

Appendix G

Example full meta-analysis output

[See Addendum p. 97 of Report I, and Appendix Table A1 of Report II for a revised version of this table]

Appendix Table G1 -

IESAST - Meta-analysis of Lifetime Exposure, Biochemical/Total (or Household, or Parent if Bio/Tot not available) Lifetime Asthma

This analysis is restricted to results for:

- 1) Lifetime asthma
- 2) Biochemical, total, household (overall), or parental exposure
- 3) Exposure during child's lifetime (also including parent ever smoker, but not specific in utero exposure or specific discontinued exposure)
- 4) Results not by amount of exposure
- 5) Results complete enough for use in metaanalysis

Within each study, results are then selected (in the following order of preference, within each sex) for:

- 6) EXPOS : biochemical, total, household, parent
- 7) BIOMEA : saliva, blood, urine
- 8) WHOPAR : any/unspecified parent, mother regardless of father, mother only, father regardless of mother, father only
- 9) WHESMO : during child's lifetime, ever (i.e. during smoker's lifetime), unspecified, at a specific age, current
- 10) UNEXSO : not specific parent, neither parent, none in household, none
- 11) UNEXTI : not at specified time, never (in smoker's lifetime), not at longer than specified time
- 12) UNEXHI : not exposed defined as smoked none, or smoked none+low
- 13) RACE : all in study or nearest available, otherwise by race
- 14) ONSET : yes, no (prevalence)
- 15) For overlapping studies: principal rather than subsidiary studies

Finally by Age: whole study if available, otherwise by widest available age group

and then for single sex results (m, f) in preference to results for both sexes combined (b).

Results adjusted for the most potential confounders are then chosen in Sections -1 to -3 and results adjusted for the least confounders in Sections -4 to -6. (Those least adjusted results which actually differ from the most adjusted are marked 'x' in column X in Section -4)

Section -7 shows excluded studies, together with the stage (as above) at which no qualifying results were found.

Section -8 lists the potentially overlapping studies which have been included (1=principal, 2=subsidiary), and any results which would have been included in preference except that they had data not complete enough for use in metaanalysis. It also lists their significance (yes/no), if known.

Appendix Table G1 - 1

IESAST - Meta-analysis of Lifetime Exposure, Biochemical/Total (or Household, or Parent if Bio/Tot not available)
Lifetime Asthma
Adjusted

REF	NRR	SEX	AGEL	AGEH	RACE	LOC	BEGYR	PUBYR	STTYP	ADJ	EXP-who	UNEXsource	EXPOS-time	UNEXTI	BIOMEA
ALBA	1	b	0	13	all	Eu:wst	1993	1996	CC	0	AnyHh	NoHhMemb	current	non	-
ALDAWO	2	m	6	15	all	As:ME	*	2000	CS	0	Mother	NotMothr	ever	never	-
ALFRA1	2	b	7	12	all	As:ME	1986	1990	CS	0	Mother	NotMothr	unspec	non	-
ANDRAE	2	b	0	16	all	Eu:Sca	1985	1988	CS	3	AnyPar	NoParent	in life	non	-
ANNESI	1	b	1	18	all	Eu:UK	1991	2001	CS	0	AnyPar	NoParent	unspec	non	-
BARRET	1	b	9	11	all	Eu:Ita	1999	2001	CS	0	AnyHh	NoHhMemb	current	non	-
BECKET	6	b	0	17	all	NAmer	1993	1996	CS	7	AnyHh	NoHhMemb	ever	never	-
BENER	1	b	6	14	all	As:ME	1992	1996	CS	0	AnyPar	NoParent	unspec	non	-
BRABIN	2	b	5	11	all	Eu:UK	1991	1994	CS	1	AnyHh	NoHhMemb	unspec	non	-
BURCHF	5	m	0	19	all	NAmer	1962	1986	CS	1	AnyPar	NoParent	utero/life	non	-
BURCHF	8	f	0	19	all	NAmer	1962	1986	CS	1	AnyPar	NoParent	utero/life	non	-
BUTZ	7	b	*	*	all	NAmer	1989	1992	CC	1	TotETS	None	current	non	-
CHEN1	1	b	1	1	all	As:FE	1985	1988	CS	0	AnyHh	NoHhMemb	in life	non	-
CHEN2	37	b	6	17	all	NAmer	1993	1996	CS	6	AnyHh	NoHhMemb	current	non	-
DELL	2	b	1	1	all	NAmer	1994	2001	CS	0	AnyPar	NoParent	current	non	-
DODGE	12	b	8	12	all	NAmer	1978	1982	Pr	1	AnyPar	NoParent	unspec	non	-
DOLD	21	b	9	11	all	Eu:Ger	1989	1992	CS	1	AnyHh	NoHhMemb	unspec	non	-
ECE	3	b	6	15	all	Eu:est	1999	2001	CS	0	AnyHh	NoHhMemb	current	non	-
EHRL2	3	b	3	14	all	NAmer	1988	1992	CC	0	Biochem	Low	-	-	urine
FARBE2	2	b	5	17	all	NAmer	1987	1997	CS	3	Mother	NotMothr	current	non	-
FAROOQ	1	b	0	21	all	Eu:UK	1975	1998	CS	0	Mother	NotMothr	ever	never	-
FERGUS	7	b	0	6	all	Auslia	1977	1985	Pr	0	AnyPar	NoParent	in life	non	-
FLYNN1	1	b	9	10	all	Auslia	1990	1994	CS	0	AnyHh	NoHhMemb	unspec	non	-
FORAST	20	b	7	11	all	Eu:Ita	1987	1992	CS	9	AnyPar	NoParent	unspec	non	-
GILLIL	4	m	7	19	all	NAmer	1993	2001	CS	4	AnyHh	NoHhMemb	in life	non	-
GILLIL	12	f	7	19	all	NAmer	1993	2001	CS	4	AnyHh	NoHhMemb	in life	non	-
GOLD	11	b	6	18	wh	NAmer	1974	1993	Pr	0	Mother	NotMothr	<6y	non	-
GOREN1	3	b	7	11	all	As:ME	1980	1986	CS	0	AnyHh	NoHhMemb	current	non	-
GOREN2	5	b	7	11	all	As:ME	1982	1995	CS	2	Mother	NotMothr	ever	never	-
GORTM1	3	b	0	17	all	NAmer	1977	1982	CS	7	Mother	NotMothr	current	non	-
GORTM2	1	b	0	17	all	NAmer	1980	1982	CS	0	Mother	NotMothr	current	non	-
GURKAN	1	b	3	15	all	Eu:est	1995	2002	CC	0	TotETS	None	unspec	non	-
HAJNAL	1	b	6	14	all	Eu:wst	1992	1999	CS	13	AnyHh	NoHhMemb	current	non	-
HU1	4	b	10	11	all	NAmer	1994	1997	CS	7	Mother	NotMothr	current	non	-
HU2	23	b	20	22	all	NAmer	1986	1997	Pr	3	AnyPar	LowParnt	13-15y	non	-
JENKIN	5	b	7	7	all	Auslia	1968	1993	CS	7	Mother	NotMothr	current	non	-
KAY	20	b	3	11	all	Eu:UK	*	1995	CS	1	AnyPar	NoParent	unspec	non	-
KENDIR	1	b	6	14	all	Eu:est	1993	1998	CS	0	AnyHh	NoHhMemb	current	non	-
KERSHA	7	b	0	5	all	Eu:UK	1983	1987	CC	1	AnyHh	LowHh	<3y	non	-
KIVITY	4	b	8	17	jew	As:ME	*	2001	CS	0	Mother	NotMothr	unspec	non	-
KUEHR	6	b	6	8	all	Eu:Ger	1990	1992	CS	1	Mother	NotMothr	<1y	non	-
KUHR	4	b	7	16	all	Eu:Ger	1987	1991	CS	0	AnyPar	NoParent	in life	non	-
LAM1	8	b	12	15	all	As:FE	1994	1998	CS	4	AnyHh	NoHhMemb	unspec	non	-
LAM2	1	b	8	13	all	As:FE	1995	1999	CS	4	AnyHh	NoHhMemb	unspec	non	-
LEEDER	2	b	0	5	all	Eu:UK	1963	1976	Pr	1	AnyPar	NoParent	in life	non	-
LEROUX	2	b	6	7	all	Eu:wst	1990	1995	CS	10	AnyPar	LowParnt	unspec	non	-
LIS	1	b	12	14	all	Eu:est	1992	1997	CS	0	Mother	NotMothr	unspec	non	-
LISTER	3	b	0	4	all	Auslia	1989	1998	CS	8	Mother	NotMothr	current	non	-
MATER	5	b	5	9	all	NAmer	1994	1997	CS	8	TotETS	None	current	non	-
MARTIN	5	m	0	12	all	NAmer	1972	1992	Pr	1	Mother	LowMothr	<5y	non	-
MARTIN	6	f	0	12	all	NAmer	1972	1992	Pr	1	Mother	LowMothr	<5y	non	-
MCCON2	2	b	5	9	all	NAmer	1980	1986	CS	0	AnyHh	Low	in life	non	-
MCKEEV	4	b	0	11	all	Eu:UK	*	2001	Pr	0	Mother	NotMothr	ever	never	-
MOYES1	1	b	6	7	all	Auslia	*	1995	CS	0	AnyHh	NoHhMemb	unspec	non	-
MOYES2	1	b	13	14	all	Auslia	*	1995	CS	0	AnyHh	NoHhMemb	unspec	non	-
MURRAY	5	m	1	17	all	NAmer	1986	1990	CS	1	Mother	NotMothr	unspec	non	-
MURRAY	7	f	1	17	all	NAmer	1986	1990	CS	1	Mother	NotMothr	unspec	non	-
NHANE3	28	b	4	16	w+b	NAmer	1988	2001	CS	6	Biochem	Low	-	-	blood
NILSSO	1	b	13	14	all	Eu:Sca	*	1999	CS	0	AnyPar	NoParent	current	non	-
OCONNE	1	b	2	16	all	NAmer	1969	1974	CC	0	AnyPar	NoParent	unspec	non	-
ODDY	1	b	0	6	all	Auslia	1989	1999	Pr	4	AnyHh	NoHhMemb	unspec	non	-
POKHAR	2	b	11	15	all	As:cen	1995	2001	CC	5	AnyHh	NoHhMemb	unspec	non	-
PONSON	8	b	0	7	all	Auslia	1988	2000	Pr	6	AnyHh	NoHhMemb	<1m	non	-
RASANE	3	b	16	16	all	Eu:Sca	1991	2000	CS	3	Mother	NotMothr	ever	never	-
RATAGE	1	b	5	15	all	As:cen	1996	2000	CC	0	AnyHh	NoHhMemb	unspec	non	-
RENNIE	1	b	6	11	all	NAmer	1993	2002	CS	6	AnyPar	NoParent	in life	non	-
RONCH1	7	b	6	13	all	Eu:Ita	1974	2001	CS	2	AnyHh	Low	current	non	-
RONCH2	3	b	6	14	all	Eu:Ita	1992	2001	CS	0	AnyHh	Low	current	non	-
RONCH3	3	b	6	14	all	Eu:Ita	1998	2001	CS	0	AnyHh	Low	current	non	-
RONMAR	5	b	7	10	all	Eu:Sca	1996	2002	Pr	9	Mother	NotMothr	unspec	non	-

Appendix Table G1 - 1

IESAST - Meta-analysis of Lifetime Exposure, Biochemical/Total (or Household, or Parent if Bio/Tot not available)
 Lifetime Asthma
 Adjusted

REF	NRR	SEX	AGEL	AGEH	RACE	LOC	BEGYR	PUBYR	STTYP	ADJ	EXP-who	UNEXsource	EXPOS-time	UNEXTI	BIOMEA
ROSASV	1	b	1	3	all	SCAmer	*	2002	CC	0	Mother	NotMothr	in life	non	-
SELCUK	2	b	7	12	all	Eu:est	1994	1997	CS	6	AnyHh	NoHhMemb	unspec	non	-
SENNHA	1	b	1	16	all	Eu:wst	1990	1992	CS	0	AnyHh	NoHhMemb	unspec	non	-
SHAMSS	2	b	6	7	all	Eu:UK	*	1999	CS	0	Mother	NotMothr	unspec	non	-
SHERMA	2	b	5	23	all	NAmer	1975	1990	Pr	2	Mother	NotMothr	ever	never	-
SIGURS	1	b	0	3	all	Eu:Sca	1989	1995	Pr	0	AnyPar	NoParent	unspec	non	-
SOYSET	14	b	7	13	all	Eu:Sca	1989	1995	CS	5	Mother	NotMothr	in life	non	-
SQUILL	1	b	8	12	all	NAmer	1992	1997	CC	0	AnyHh	NoHhMemb	unspec	non	-
STANHO	2	b	12	18	all	Auslia	1975	1979	CS	0	Mother	NotMothr	current	non	-
TIMONE	1	b	7	12	all	Eu:Sca	1993	1995	CS	0	AnyHh	NoHhMemb	current	non	-
TSIMOY	1	b	12	17	all	NAmer	1985	1987	CS	0	TotETS	None	current	non	-
VARELA	1	b	6	15	all	SCAmer	1999	2001	CS	0	AnyHh	NoHhMemb	unspec	non	-
VAVILI	1	b	6	15	all	Eu:est	*	2000	CC	0	AnyHh	NoHhMemb	unspec	non	-
VENNER	6	m	8	15	all	As:FE	1995	2001	CS	0	Father	NoParent	current	never	-
VENNER	3	f	8	15	all	As:FE	1995	2001	CS	0	Father	NoParent	current	never	-
VERHOE	3	b	7	11	all	Eu:wst	*	1992	CC	0	AnyPar	NoParent	ever	never	-
VONMAF	1	b	0	17	all	NAmer	1993	2001	CS	0	AnyHh	NoHhMemb	ever	never	-
WITHER	1	b	14	16	all	Eu:UK	1995	1998	CS	0	AnyHh	NoHhMemb	current	non	-
WOLFO1	2	b	8	8	all	Eu:Ger	1977	1995	CS	7	AnyHh	NoHhMemb	current	non	-
WOLFO2	2	b	10	10	all	Eu:Ger	1979	1995	CS	7	AnyHh	NoHhMemb	current	non	-
WOLFO3	2	b	16	16	all	Eu:Ger	1985	1995	CS	10	AnyHh	NoHhMemb	current	non	-
ZEIGER	1	b	0	7	all	NAmer	1981	1995	Pr	0	AnyHh	NoHhMemb	unspec	non	-

Appendix Table G1 - 2

IESAST - Meta-analysis of Lifetime Exposure, Biochemical/Total (or Household, or Parent if Bio/Tot not available)
Lifetime Asthma
Adjusted

REF	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
				Case	Cont	Case	Cont		
ALBA	1	b	0	68	70	34	32	0.91	(0.51- 1.64)
ALDAWO	2	m	0	11	51	130	1290	2.14	(1.09- 4.21)
ALFRA1	2	b	0	-	-	-	-	1.51	(1.04- 2.37)
ANDRAE	2	b	3	101	-	148	-	0.99	(0.76- 1.29)
ANNESI	1	b	0	164	1243	255	2491	1.29	(1.05- 1.59)
BARRET	1	b	0	17	91	9	81	1.68	(0.71- 3.98)
BECKET	6	b	7	133	-	352	-	1.31	(1.03- 1.66)
BENER	1	b	0	35	189	64	441	1.28	(0.82- 1.99)
BRABIN	2	b	1	204	-	114	-	1.06	(0.82- 1.37)
BURCHF	5	m	1	223	-	45	-	1.24	(0.88- 1.75)
BURCHF	8	f	1	133	-	35	-	1.00	(0.68- 1.49)
Subtotal BURCHF								1.13	(0.87- 1.46)
BUTZ	7	b	1	28	-	74	-	1.18	(0.62- 2.24)
CHEN1	1	b	0	64	1668	14	467	1.28	(0.71- 2.30)
CHEN2	37	b	6	32	-	61	-	1.67	(0.96- 2.89)
DELL	2	b	0	-	-	-	-	1.52	(0.96- 2.40)
DODGE	12	b	1	21	-	12	-	1.50	(0.72- 3.13)
DOLD	21	b	1	217	-	295	-	1.10	(0.92- 1.33)
ECE	3	b	0	298	1704	132	906	1.20	(0.96- 1.50)
EHRLI2	3	b	0	37	29	60	88	1.87	(1.04- 3.36)
FARBE2	2	b	3	109	-	116	-	1.51	(1.17- 1.96)
FAROOQ	1	b	0	-	-	-	-	1.29	(1.03- 1.63)
*FERGUS	7	b	0	75	572	58	460	1.04	(0.76- 1.43)
FLYNN1	1	b	0	-	-	-	-	1.26	(0.95- 1.68)
FORAST	20	b	9	164	-	52	-	1.28	(0.93- 1.77)
GILLIL	4	m	4	-	-	-	-	0.93	(0.74- 1.16)
GILLIL	12	f	4	-	-	-	-	1.05	(0.81- 1.35)
Subtotal GILLIL								0.98	(0.83- 1.16)
GOLD	11	b	0	554	3996	414	3856	1.29	(1.13- 1.48)
GOREN1	3	b	0	80	766	50	514	1.07	(0.74- 1.56)
GOREN2	5	b	2	203	-	461	-	1.24	(1.02- 1.51)
GORTM1	3	b	7	97	-	91	-	1.49	(1.08- 2.06)
GORTM2	1	b	0	15	315	14	550	1.87	(0.89- 3.93)
GURKAN	1	b	0	50	22	90	74	1.87	(1.04- 3.37)
HAJNAL	1	b	13	-	-	-	-	1.20	(0.94- 1.54)
HU1	4	b	7	45	-	62	-	0.80	(0.50- 1.50)
HU2	23	b	3	52	-	101	-	1.55	(1.09- 2.20)
JENKIN	5	b	7	534	-	815	-	1.26	(1.05- 1.51)
KAY	20	b	1	103	-	108	-	1.42	(1.04- 1.95)
KENDIR	1	b	0	-	-	-	-	1.41	(1.16- 1.72)
KERSHA	7	b	1	71	-	15	-	3.12	(1.76- 5.54)
KIVITY	4	b	0	23	94	56	412	1.80	(1.05- 3.07)
KUEHR	6	b	1	28	-	134	-	0.68	(0.44- 1.06)
KUHR	4	b	0	34	469	7	194	2.01	(0.88- 4.61)
LAM1	8	b	4	163	-	201	-	0.92	(0.74- 1.15)
LAM2	1	b	4	-	-	-	-	0.91	(0.69- 1.18)
*LEEDER	2	b	1	48	-	11	-	1.33	(0.67- 2.64)
LEROUX	2	b	10	39	-	58	-	1.79	(1.06- 3.02)
LIS	1	b	0	-	-	-	-	1.36	(1.00- 1.90)
LISTER	3	b	8	-	-	-	-	1.52	(1.19- 1.94)
MAIER	5	b	8	33	-	73	-	2.26	(1.33- 3.85)
*MARTIN	5	m	1	17	-	41	-	1.75	(0.99- 3.08)
*MARTIN	6	f	1	8	-	20	-	1.98	(0.86- 4.54)
Subtotal MARTIN								1.82	(1.14- 2.91)
MCCON2	2	b	0	2	45	13	163	0.56	(0.12- 2.56)
*MCKEEV	4	b	0	1609	7675	2088	13058	1.31	(1.24- 1.39)
MOYES1	1	b	0	358	1017	295	886	1.06	(0.88- 1.26)
MOYES2	1	b	0	363	1285	252	842	0.94	(0.79- 1.13)
MURRAY	5	m	1	50	-	153	-	1.41	(0.84- 2.37)
MURRAY	7	f	1	22	-	67	-	1.31	(0.67- 2.57)
Subtotal MURRAY								1.37	(0.91- 2.07)
NHANE3	28	b	6	424	-	175	-	1.16	(0.77- 1.76)
NILSSO	1	b	0	-	-	-	-	1.00	(0.70- 1.40)
OCONNE	1	b	0	264	137	136	91	1.29	(0.92- 1.80)
*ODDY	1	b	4	-	-	-	-	1.27	(1.04- 1.55)
POKHAR	2	b	5	27	-	13	-	3.33	(1.85- 7.65)
*PONSON	8	b	6	185	-	88	-	1.03	(0.83- 1.26)
RASANE	3	b	3	101	-	76	-	1.59	(1.09- 2.31)

Appendix Table G1 - 2

IESAST - Meta-analysis of Lifetime Exposure, Biochemical/Total (or Household, or Parent if Bio/Tot not available)
Lifetime Asthma
Adjusted

REF	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
				Case	Cont	Case	Cont		
RATAGE 1	b	0		62	30	58	30	1.07 (0.58-	1.99)
RENNIE 1	b	6		-	-	-	-	1.02 (0.60-	1.75)
RONCH1 7	b	2		40	-	83	-	1.40 (1.02-	1.91)
RONCH2 3	b	0		60	351	93	726	1.33 (0.94-	1.89)
RONCH3 3	b	0		40	312	91	696	0.98 (0.66-	1.46)
*RONMAR 5	b	9		-	-	-	-	1.36 (0.82-	2.25)
ROSASV 1	b	0		9	6	65	68	1.57 (0.53-	4.66)
SELCUK 2	b	6		689	-	193	-	1.35 (1.12-	1.62)
SENNHA 1	b	0		119	1631	132	2268	1.25 (0.97-	1.62)
SHAMSS 2	b	0		-	-	-	-	1.39 (1.12-	1.74)
*SHERMA 2	b	2		-	-	-	-	1.18 (0.76-	1.83)
*SIGURS 1	b	0		-	-	-	-	1.20 (0.41-	3.60)
SOYSET 14	b	5		35	-	16	-	2.80 (1.30-	6.10)
SQUILL 1	b	0		38	80	97	226	1.11 (0.70-	1.74)
STANHO 2	b	0		7	169	20	193	0.40 (0.16-	0.97)
TIMONE 1	b	0		10	225	170	2139	0.56 (0.29-	1.07)
TSIMOY 1	b	0		9	123	4	57	1.04 (0.31-	3.53)
VARELA 1	b	0		27	13	7	10	2.97 (0.92-	9.57)
VAVILI 1	b	0		60	74	40	30	0.61 (0.34-	1.09)
VENNER 6	m	0		217	477	48	116	1.10 (0.76-	1.60)
VENNER 3	f	0		214	466	50	130	1.19 (0.83-	1.72)
Subtotal VENNER								1.15 (0.88-	1.49)
VERHOE 3	b	0		78	185	39	72	0.78 (0.49-	1.25)
VONMAF 1	b	0		166	766	217	1260	1.26 (1.01-	1.57)
WITHER 1	b	0		202	633	296	1107	1.19 (0.97-	1.46)
WOLFO1 2	b	7		-	-	-	-	1.12 (0.63-	1.98)
WOLFO2 2	b	7		-	-	-	-	1.35 (0.75-	2.43)
WOLFO3 2	b	10		-	-	-	-	1.39 (0.93-	2.06)
*ZEIGER 1	b	0		8	22	42	143	1.24 (0.67-	2.28)
Partial Totals				9826	27001	9999	36167		
*prospective study									

REF	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
ALBA 1	b	0		-0.09	11.15	1.04	0.7647
ALDAWO 2	m	0		0.76	8.40	2.50	0.0274
ALFRA1 2	b	0		0.41	22.65	0.88	0.0498
ANDRAE 2	b	3		-0.01	54.89	2.78	0.9406
ANNESI 1	b	0		0.25	89.09	0.13	0.0166
BARRET 1	b	0		0.52	5.17	0.48	0.2373
BECKET 6	b	7		0.27	67.46	0.20	0.0266
BENER 1	b	0		0.24	19.32	0.02	0.2839
BRABIN 2	b	1		0.06	58.33	1.43	0.6563
BURCHF 5	m	1		0.22	32.51	0.00	0.2200
BURCHF 8	f	1		0.00	24.97	1.16	1.0000
Subtotal BURCHF				-0.22	57.49	1.16	
BUTZ 7	b	1		0.17	9.31	0.02	0.6135
CHEN1 1	b	0		0.25	11.14	0.01	0.4102
CHEN2 37	b	6		0.51	12.65	1.12	0.0681
DELL 2	b	0		0.42	18.30	0.76	0.0733
DODGE 12	b	1		0.41	7.12	0.26	0.2794
DOLD 21	b	1		0.10	113.12	1.62	0.3107
ECE 3	b	0		0.18	79.23	0.08	0.1041
EHRLI2 3	b	0		0.63	11.17	1.89	0.0363
FARBE2 2	b	3		0.41	57.72	2.24	0.0017
FAROOQ 1	b	0		0.25	72.93	0.11	0.0297
*FERGUS 7	b	0		0.04	37.52	1.16	0.8106
FLYNN1 1	b	0		0.23	47.28	0.01	0.1120
FORAST 20	b	9		0.25	37.10	0.04	0.1327
GILLIL 4	m	4		-0.07	76.04	6.29	0.5268
GILLIL 12	f	4		0.05	58.89	1.63	0.7081
Subtotal GILLIL				-0.45	134.93	7.92	
GOLD 11	b	0		0.26	211.41	0.35	0.0002
GOREN1 3	b	0		0.07	27.97	0.58	0.7071
GOREN2 5	b	2		0.22	99.84	0.00	0.0316
GORTM1 3	b	7		0.40	36.85	1.24	0.0155
GORTM2 1	b	0		0.63	6.99	1.18	0.0978
GURKAN 1	b	0		0.63	11.10	1.87	0.0372

Appendix Table G1 - 2

IESAST - Meta-analysis of Lifetime Exposure, Biochemical/Total (or Household, or Parent if Bio/Tot not available)
 Lifetime Asthma
 Adjusted

REF	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
HAJNAL	1	b	13	0.18	63.05	0.07	0.1477
HU1	4	b	7	-0.22	12.73	2.45	0.4259
HU2	23	b	3	0.44	31.16	1.55	0.0144
JENKIN	5	b	7	0.23	116.41	0.03	0.0126
KAY	20	b	1	0.35	38.89	0.71	0.0288
KENDIR	1	b	0	0.34	99.03	1.63	0.0006
KERSHA	7	b	1	1.14	11.69	9.95	0.0001
KIVITY	4	b	0	0.59	13.44	1.87	0.0311
KUEHR	6	b	1	-0.39	19.88	7.17	0.0855
KUHR	4	b	0	0.70	5.57	1.30	0.0997
LAM1	8	b	4	-0.08	79.06	7.04	0.4585
LAM2	1	b	4	-0.09	53.37	5.11	0.4908
*LEEDER	2	b	1	0.29	8.17	0.04	0.4149
LEROUX	2	b	10	0.58	14.02	1.89	0.0293
LIS	1	b	0	0.31	37.30	0.32	0.0604
LISTER	3	b	8	0.42	64.33	2.67	0.0008
MAIER	5	b	8	0.82	13.60	4.90	0.0026
*MARTIN	5	m	1	0.56	11.93	1.42	0.0533
*MARTIN	6	f	1	0.68	5.55	1.22	0.1075
Subtotal			MARTIN	0.81	17.48	2.63	
MCCON2	2	b	0	-0.58	1.65	1.06	0.4523
*MCKEEV	4	b	0	0.27	1119.12	3.48	0.0000
MOYES1	1	b	0	0.06	120.55	3.07	0.5411
MOYES2	1	b	0	-0.06	115.09	8.57	0.5355
MURRAY	5	m	1	0.34	14.28	0.24	0.1941
MURRAY	7	f	1	0.27	8.50	0.03	0.4311
Subtotal			MURRAY	0.18	22.78	0.26	
NHANE3	28	b	6	0.15	22.48	0.10	0.4816
NILSSO	1	b	0	0.00	31.98	1.48	1.0000
OCONNE	1	b	0	0.25	33.98	0.05	0.1384
*ODDY	1	b	4	0.24	96.50	0.06	0.0189
POKHAR	2	b	5	1.20	7.63	7.44	0.0009
*PONSON	8	b	6	0.03	88.18	3.04	0.7813
RASANE	3	b	3	0.46	27.24	1.68	0.0155
RATAGE	1	b	0	0.07	10.00	0.22	0.8330
RENNIE	1	b	6	0.02	13.41	0.51	0.9422
RONCH1	7	b	2	0.34	39.05	0.58	0.0355
RONCH2	3	b	0	0.29	31.60	0.17	0.1048
RONCH3	3	b	0	-0.02	24.61	1.36	0.9224
*RONMAR	5	b	9	0.31	15.08	0.13	0.2324
ROSASV	1	b	0	0.45	3.25	0.18	0.4168
SELCUK	2	b	6	0.30	112.79	0.81	0.0014
SENNHA	1	b	0	0.23	58.71	0.01	0.0833
SHAMSS	2	b	0	0.33	79.17	1.03	0.0034
*SHERMA	2	b	2	0.17	19.90	0.05	0.4603
*SIGURS	1	b	0	0.18	3.26	0.00	0.7422
SOYSET	14	b	5	1.03	6.43	4.27	0.0090
SQUILL	1	b	0	0.10	18.67	0.24	0.6613
STANHO	2	b	0	-0.92	4.90	6.28	0.0423
TIMONE	1	b	0	-0.58	9.03	5.72	0.0808
TSIMOY	1	b	0	0.04	2.59	0.08	0.9464
VARELA	1	b	0	1.09	2.80	2.13	0.0687
VAVILI	1	b	0	-0.50	11.30	5.74	0.0945
VENNER	6	m	0	0.09	27.66	0.40	0.6182
VENNER	3	f	0	0.18	28.98	0.04	0.3399
Subtotal			VENNER	-0.16	56.63	0.44	
VERHOE	3	b	0	-0.25	17.31	3.75	0.2972
VONMAF	1	b	0	0.23	78.55	0.02	0.0417
WITHER	1	b	0	0.18	92.49	0.14	0.0890
WOLFO1	2	b	7	0.11	11.72	0.12	0.6981
WOLFO2	2	b	7	0.30	11.12	0.08	0.3170
WOLFO3	2	b	10	0.33	24.30	0.32	0.1046
*ZEIGER	1	b	0	0.21	10.38	0.00	0.4914

Appendix Table G1 - 2

IESAST - Meta-analysis of Lifetime Exposure, Biochemical/Total (or Household, or Parent if Bio/Tot not available)
 Lifetime Asthma
 Adjusted

RR data

	N	92
	NS	87
	Wt	4593.01
Het	Chi	149.09
Het	df	91
Het	P	***
Fixed	RR	1.24
	RRl	1.20
	RRu	1.28
	P	+++
Random	RR	1.23
	RRl	1.18
	RRu	1.29
	P	+++
Asymm	P	N.S.

Appendix Table G1 - 3

IESAST - Meta-analysis of Lifetime Exposure, Biochemical/Total (or Household, or Parent if Bio/Tot not available)
 Lifetime Asthma
 Adjusted

RR data

	N	92						
	NS	87						
	Wt	4593.01						
Het	Chi	149.09						
Het	df	91						
Het	P	***						
Fixed	RR	1.24						
	RRl	1.20						
	RRu	1.28						
	P	+++						
Random	RR	1.23						
	RRl	1.18						
	RRu	1.29						
	P	+++						
Asymm	P	N.S.						
			<u>Sex</u>					
		both	male	female			Total	
	N	81	6	5			92	
	NS	81	6	5			92	
	Wt	4295.30	170.83	126.89			4593.01	
Het	Chi	133.99	9.59	2.69			149.09	
Het	df	80	5	4			91	
Het	P	***	(*)	N.S.			***	
Fixed	RR	1.25	1.14	1.12			1.24	
	RRl	1.21	0.98	0.94			1.20	
	RRu	1.29	1.32	1.33			1.28	
	P	+++	(+)	N.S.			+++	
Random	RR	1.24	1.24	1.12			1.23	
	RRl	1.18	0.99	0.94			1.18	
	RRu	1.30	1.57	1.33			1.29	
	P	+++	(+)	N.S.			+++	
Between	Chi						2.81	
Between	df						2	
Between	P						N.S.	
								<u>Continent</u>
		NAmer	SCAmer	Europe	Asia	Auslia	Africa	Total
	N	30	2	38	13	9		92
	NS	26	2	38	12	9		87
	Wt	930.75	6.05	2556.00	409.44	690.76		4593.01
Het	Chi	31.76	0.61	61.92	24.26	19.47		149.09
Het	df	29	1	37	12	8		91
Het	P	N.S.	N.S.	**	*	*		***
Fixed	RR	1.27	2.11	1.27	1.16	1.13		1.24
	RRl	1.19	0.95	1.22	1.05	1.05		1.20
	RRu	1.35	4.68	1.32	1.28	1.22		1.28
	P	+++	(+)	+++	++	+++		+++
Random	RR	1.27	2.11	1.25	1.23	1.13		1.23
	RRl	1.18	0.95	1.17	1.06	1.00		1.18
	RRu	1.37	4.68	1.33	1.43	1.28		1.29
	P	+++	(+)	+++	++	+		+++
Between	Chi							11.06
Between	df							4
Between	P							*

Appendix Table G1 - 3

IESAST - Meta-analysis of Lifetime Exposure, Biochemical/Total (or Household, or Parent if Bio/Tot not available)

		Lifetime Asthma						
		Adjusted						
		Country in Europe					Total	
		UK	Italy	Germany	Scand	othWest	East/Bal	Total
RR data	N	9	5	6	7	5	6	38
	NS	9	5	6	7	5	6	38
	Wt	1569.87	137.54	185.70	147.91	164.25	350.75	2556.00
	Het Chi	12.78	2.50	8.40	14.90	6.39	9.35	61.92
	Het df	8	4	5	6	4	5	37
	Het P	N.S.	N.S.	N.S.	*	N.S.	(*)	**
	Fixed RR	1.31	1.28	1.11	1.13	1.18	1.31	1.27
	RRl	1.24	1.08	0.96	0.97	1.02	1.18	1.22
	RRu	1.37	1.51	1.28	1.33	1.38	1.46	1.32
	P	+++	++	N.S.	N.S.	+	+++	+++
	Random RR	1.31	1.28	1.13	1.18	1.17	1.29	1.25
	RRl	1.19	1.08	0.90	0.89	0.94	1.10	1.17
	RRu	1.43	1.51	1.42	1.57	1.44	1.51	1.33
	P	+++	++	N.S.	N.S.	N.S.	++	+++
	Between Chi							7.60
	Between df							5
	Between P							N.S.
		<u>Country in Asia</u>						
		FarEast	Cent/SE	MidlEast	Total			
	N	5	2	6	13			
	NS	4	2	6	12			
	Wt	200.19	17.62	191.63	409.44			
	Het Chi	2.86	5.59	5.26	24.26			
	Het df	4	1	5	12			
	Het P	N.S.	*	N.S.	*			
	Fixed RR	0.99	1.75	1.31	1.16			
	RRl	0.87	1.10	1.14	1.05			
	RRu	1.14	2.79	1.51	1.28			
	P	N.S.	+	+++	++			
	Random RR	0.99	1.86	1.32	1.23			
	RRl	0.87	0.61	1.13	1.06			
	RRu	1.14	5.67	1.53	1.43			
	P	N.S.	N.S.	+++	++			
	Between Chi				10.56			
	Between df				2			
	Between P				**			
		<u>Start year of study</u>						
		<1970	1970-79	1980-89	1990+	unknown	Total	
	N	5	12	26	38	11	92	
	NS	4	11	25	36	11	87	
	Wt	216.04	469.99	843.19	1505.28	1558.51	4593.01	
	Het Chi	1.27	12.20	35.37	65.00	32.26	149.09	
	Het df	4	11	25	37	10	91	
	Het P	N.S.	N.S.	(*)	**	***	***	
	Fixed RR	1.23	1.29	1.27	1.20	1.25	1.24	
	RRl	1.08	1.18	1.19	1.14	1.19	1.20	
	RRu	1.41	1.41	1.36	1.26	1.31	1.28	
	P	++	+++	+++	+++	+++	+++	
	Random RR	1.23	1.29	1.31	1.20	1.17	1.23	
	RRl	1.08	1.16	1.19	1.12	1.01	1.18	
	RRu	1.41	1.43	1.43	1.30	1.35	1.29	
	P	++	+++	+++	+++	+	+++	
	Between Chi						2.98	
	Between df						4	
	Between P						N.S.	

Appendix Table G1 - 3

IESAST - Meta-analysis of Lifetime Exposure, Biochemical/Total (or Household, or Parent if Bio/Tot not available)

		Lifetime Asthma Adjusted				
		Publication year				Total
		<1990	1990-94	1995-99	2000+	
RR data	N	15	18	33	26	92
	NS	14	16	33	24	87
	Wt	302.94	788.41	1591.08	1910.59	4593.01
Het	Chi	25.39	21.31	58.82	42.07	149.09
Het	df	14	17	32	25	91
Het	P	*	N.S.	**	*	***
Fixed	RR	1.19	1.22	1.23	1.26	1.24
	RR1	1.07	1.14	1.17	1.21	1.20
	RRu	1.34	1.31	1.29	1.32	1.28
	P	++	+++	+++	+++	+++
Random	RR	1.22	1.22	1.24	1.24	1.23
	RR1	1.03	1.12	1.15	1.14	1.18
	RRu	1.44	1.33	1.33	1.35	1.29
	P	+	+++	+++	+++	+++
Between	Chi					1.50
Between	df					3
Between	P					N.S.
		Study type				
		CC	Pr	CS	Total	
	N	12	14	66	92	
	NS	12	13	62	87	
	Wt	156.56	1665.27	2771.18	4593.01	
Het	Chi	32.16	10.11	102.08	149.09	
Het	df	11	13	65	91	
Het	P	***	N.S.	**	***	
Fixed	RR	1.29	1.29	1.21	1.24	
	RR1	1.10	1.23	1.16	1.20	
	RRu	1.51	1.35	1.25	1.28	
	P	++	+++	+++	+++	
Random	RR	1.34	1.29	1.22	1.23	
	RR1	1.01	1.23	1.16	1.18	
	RRu	1.77	1.35	1.28	1.29	
	P	+	+++	+++	+++	
Between	Chi				4.73	
Between	df				2	
Between	P				(*)	
		Highest age in RR				
		0-9	10-14	15+	unknown	Total
	N	19	34	38	1	92
	NS	19	33	34	1	87
	Wt	729.70	2347.37	1506.63	9.31	4593.01
Het	Chi	37.13	52.27	59.56	0.00	149.09
Het	df	18	33	37	0	91
Het	P	**	*	*	N.S.	***
Fixed	RR	1.24	1.25	1.23	1.18	1.24
	RR1	1.15	1.20	1.17	0.62	1.20
	RRu	1.33	1.30	1.30	2.24	1.28
	P	+++	+++	+++	N.S.	+++
Random	RR	1.28	1.21	1.25	1.18	1.23
	RR1	1.13	1.13	1.16	0.62	1.18
	RRu	1.44	1.29	1.34	2.24	1.29
	P	+++	+++	+++	N.S.	+++
Between	Chi					0.13
Between	df					3
Between	P					N.S.

Appendix Table G1 - 3

IESAST - Meta-analysis of Lifetime Exposure, Biochemical/Total (or Household, or Parent if Bio/Tot not available)

		Lifetime Asthma					
		Adjusted					
		Population setting					
		general	school	medical	allergy	other	Total
RR data							
	N	19	45	20	3	5	92
	NS	17	44	19	2	5	87
	Wt	538.09	2112.41	1732.79	67.01	142.71	4593.01
Het	Chi	16.47	94.38	18.24	0.15	8.04	149.09
Het	df	18	44	19	2	4	91
Het	P	N.S.	***	N.S.	N.S.	(*)	***
Fixed	RR	1.30	1.19	1.30	1.16	1.07	1.24
	RRl	1.19	1.14	1.24	0.91	0.91	1.20
	RRu	1.41	1.24	1.37	1.47	1.26	1.28
	P	+++	+++	+++	N.S.	N.S.	+++
Random	RR	1.30	1.20	1.30	1.16	1.06	1.23
	RRl	1.19	1.12	1.24	0.91	0.79	1.18
	RRu	1.41	1.29	1.37	1.47	1.41	1.29
	P	+++	+++	+++	N.S.	N.S.	+++
Between	Chi						11.81
Between	df						4
Between	P						*
		<u>Respondent for smoking</u>					
		child	parent	med rec	mix/oth	Total	
	N	7	60	3	22	92	
	NS	7	59	3	18	87	
	Wt	299.93	2232.12	1226.03	834.93	4593.01	
Het	Chi	20.08	84.12	0.03	25.92	149.09	
Het	df	6	59	2	21	91	
Het	P	**	*	N.S.	N.S.	***	
Fixed	RR	0.99	1.25	1.31	1.21	1.24	
	RRl	0.89	1.20	1.24	1.13	1.20	
	RRu	1.11	1.30	1.38	1.30	1.28	
	P	N.S.	+++	+++	+++	+++	
Random	RR	1.05	1.26	1.31	1.21	1.23	
	RRl	0.82	1.19	1.24	1.12	1.18	
	RRu	1.35	1.33	1.38	1.32	1.29	
	P	N.S.	+++	+++	+++	+++	
Between	Chi						18.94
Between	df						3
Between	P						***
		<u>Child smokers</u>			Total		
		exc/none	included	ignored	Total		
	N	20	7	65	92		
	NS	15	7	65	87		
	Wt	562.91	407.58	3622.52	4593.01		
Het	Chi	25.97	6.71	106.07	149.09		
Het	df	19	6	64	91		
Het	P	N.S.	N.S.	***	***		
Fixed	RR	1.09	1.29	1.26	1.24		
	RRl	1.01	1.17	1.22	1.20		
	RRu	1.19	1.42	1.30	1.28		
	P	+	+++	+++	+++		
Random	RR	1.12	1.29	1.25	1.23		
	RRl	1.01	1.16	1.19	1.18		
	RRu	1.25	1.44	1.32	1.29		
	P	+	+++	+++	+++		
Between	Chi					10.34	
Between	df					2	
Between	P					**	

Appendix Table G1 - 3

IESAST - Meta-analysis of Lifetime Exposure, Biochemical/Total (or Household, or Parent if Bio/Tot not available)

Lifetime Asthma
AdjustedPhysician diagnosis (lifetime)
yes no/mixed Total

RR data

N	52	40	92
NS	49	38	87
Wt	3061.60	1531.41	4593.01
Het Chi	83.33	65.14	149.09
Het df	51	39	91
Het P	**	**	***
Fixed RR	1.23	1.26	1.24
RR1	1.19	1.20	1.20
RRu	1.27	1.33	1.28
P	+++	+++	+++
Random RR	1.21	1.26	1.23
RR1	1.14	1.18	1.18
RRu	1.28	1.36	1.29
P	+++	+++	+++
Between Chi			0.61
Between df			1
Between P			N.S.

Respondent for diagnosis (lifetime)

	medrec	parent	child	mixed	Total
N	12	58	10	12	92
NS	11	55	10	11	87
Wt	1375.96	2411.28	375.80	429.97	4593.01
Het Chi	13.88	75.41	26.51	16.65	149.09
Het df	11	57	9	11	91
Het P	N.S.	(*)	**	N.S.	***
Fixed RR	1.30	1.24	1.02	1.25	1.24
RR1	1.23	1.19	0.93	1.14	1.20
RRu	1.37	1.29	1.13	1.37	1.28
P	+++	+++	N.S.	+++	+++
Random RR	1.27	1.25	1.07	1.24	1.23
RR1	1.14	1.19	0.88	1.07	1.18
RRu	1.41	1.32	1.31	1.43	1.29
P	+++	+++	N.S.	++	+++
Between Chi					16.63
Between df					3
Between P					***

Questionnaire for symptoms

	ISAAC	ATS	other	Total
N	13	11	68	92
NS	13	10	64	87
Wt	752.67	491.80	3348.54	4593.01
Het Chi	29.24	5.08	110.61	149.09
Het df	12	10	67	91
Het P	**	N.S.	***	***
Fixed RR	1.16	1.25	1.26	1.24
RR1	1.08	1.14	1.22	1.20
RRu	1.24	1.36	1.30	1.28
P	+++	+++	+++	+++
Random RR	1.20	1.25	1.24	1.23
RR1	1.07	1.14	1.18	1.18
RRu	1.36	1.36	1.31	1.29
P	++	+++	+++	+++
Between Chi				4.17
Between df				2
Between P				N.S.

Appendix Table G1 - 3

IESAST - Meta-analysis of Lifetime Exposure, Biochemical/Total (or Household, or Parent if Bio/Tot not available)

		Lifetime Asthma					
		Adjusted					
		Analysis type					
		prevlence	onset	Total			
RR data							
	N	81	11	92			
	NS	77	10	87			
	Wt	3177.42	1415.59	4593.01			
	Het Chi	137.74	8.87	149.09			
	Het df	80	10	91			
	Het P	***	N.S.	***			
Fixed	RR	1.22	1.28	1.24			
	RRl	1.18	1.22	1.20			
	RRu	1.26	1.35	1.28			
	P	+++	+++	+++			
Random	RR	1.23	1.28	1.23			
	RRl	1.17	1.22	1.18			
	RRu	1.30	1.35	1.29			
	P	+++	+++	+++			
Between	Chi			2.48			
Between	df			1			
Between	P			N.S.			
	<u>Number of cases (lifetime asthma)</u>						
		1-50	51-100	101-200	201+	unknown	Total
	N	11	15	25	40	1	92
	NS	11	14	25	36	1	87
	Wt	58.05	171.58	535.15	3790.93	37.30	4593.01
	Het Chi	18.12	23.79	43.83	57.81	0.00	149.09
	Het df	10	14	24	39	0	91
	Het P	(*)	*	**	*	N.S.	***
Fixed	RR	1.50	1.41	1.23	1.23	1.36	1.24
	RRl	1.16	1.21	1.13	1.19	0.99	1.20
	RRu	1.94	1.64	1.34	1.27	1.87	1.28
	P	++	+++	+++	+++	(+)	+++
Random	RR	1.46	1.43	1.23	1.21	1.36	1.23
	RRl	1.02	1.17	1.09	1.15	0.99	1.18
	RRu	2.09	1.75	1.38	1.26	1.87	1.29
	P	+	+++	+++	+++	(+)	+++
Between	Chi						5.54
Between	df						4
Between	P						N.S.
	<u>Study adjusts for or is matched on sex</u>						
		Yes	No	Total			
	N	39	53	92			
	NS	37	50	87			
	Wt	1585.55	3007.46	4593.01			
	Het Chi	64.69	84.12	149.09			
	Het df	38	52	91			
	Het P	**	**	***			
Fixed	RR	1.23	1.25	1.24			
	RRl	1.17	1.20	1.20			
	RRu	1.29	1.29	1.28			
	P	+++	+++	+++			
Random	RR	1.25	1.23	1.23			
	RRl	1.16	1.16	1.18			
	RRu	1.34	1.30	1.29			
	P	+++	+++	+++			
Between	Chi			0.28			
Between	df			1			
Between	P			N.S.			

Appendix Table G1 - 3

IESAST - Meta-analysis of Lifetime Exposure, Biochemical/Total (or Household, or Parent if Bio/Tot not available)

		Lifetime Asthma		
		Adjusted		
		<u>Study adjusts for or is matched on age</u>		
		Yes	No	Total
RR data				
	N	22	70	92
	NS	20	67	87
	Wt	984.55	3608.46	4593.01
	Het Chi	40.04	107.79	149.09
	Het df	21	69	91
	Het P	**	**	***
Fixed	RR	1.20	1.25	1.24
	RRl	1.13	1.21	1.20
	RRu	1.28	1.29	1.28
	P	+++	+++	+++
Random	RR	1.21	1.24	1.23
	RRl	1.10	1.18	1.18
	RRu	1.33	1.31	1.29
	P	+++	+++	+++
Between	Chi			1.26
Between	df			1
Between	P			N.S.

Study adjusts for or is matched on race

	N	13	79	92
	NS	12	75	87
	Wt	597.24	3995.77	4593.01
	Het Chi	25.18	123.41	149.09
	Het df	12	78	91
	Het P	*	***	***
Fixed	RR	1.27	1.24	1.24
	RRl	1.18	1.20	1.20
	RRu	1.38	1.27	1.28
	P	+++	+++	+++
Random	RR	1.32	1.22	1.23
	RRl	1.15	1.16	1.18
	RRu	1.51	1.28	1.29
	P	+++	+++	+++
Between	Chi			0.50
Between	df			1
Between	P			N.S.

Study adjusts for or is matched on location

	N	19	73	92
	NS	18	69	87
	Wt	1144.95	3448.06	4593.01
	Het Chi	30.00	114.85	149.09
	Het df	18	72	91
	Het P	*	***	***
Fixed	RR	1.18	1.26	1.24
	RRl	1.11	1.22	1.20
	RRu	1.25	1.30	1.28
	P	+++	+++	+++
Random	RR	1.17	1.26	1.23
	RRl	1.08	1.19	1.18
	RRu	1.26	1.33	1.29
	P	+++	+++	+++
Between	Chi			4.24
Between	df			1
Between	P			*

Appendix Table G1 - 3

IESAST - Meta-analysis of Lifetime Exposure, Biochemical/Total (or Household, or Parent if Bio/Tot not available)

Lifetime Asthma
Adjusted
Study adjusts for or is matched on SES

	Yes	No	Total
--	-----	----	-------

RR data

N	25	67	92
NS	24	63	87
Wt	1004.26	3588.75	4593.01
Het Chi	44.83	104.25	149.09
Het df	24	66	91
Het P	**	**	***
Fixed RR	1.24	1.24	1.24
RRl	1.17	1.20	1.20
RRu	1.32	1.28	1.28
P	+++	+++	+++
Random RR	1.28	1.22	1.23
RRl	1.16	1.16	1.18
RRu	1.40	1.28	1.29
P	+++	+++	+++
Between Chi			0.00
Between df			1
Between P			N.S.

Study adjusts for family medical history

N	33	59	92
NS	31	56	87
Wt	1554.89	3038.12	4593.01
Het Chi	42.40	106.68	149.09
Het df	32	58	91
Het P	N.S.	***	***
Fixed RR	1.24	1.24	1.24
RRl	1.18	1.20	1.20
RRu	1.30	1.28	1.28
P	+++	+++	+++
Random RR	1.25	1.21	1.23
RRl	1.18	1.14	1.18
RRu	1.33	1.29	1.29
P	+++	+++	+++
Between Chi			0.00
Between df			1
Between P			N.S.

Study adjusts for family composition

N	17	75	92
NS	17	70	87
Wt	792.74	3800.27	4593.01
Het Chi	13.97	134.17	149.09
Het df	16	74	91
Het P	N.S.	***	***
Fixed RR	1.28	1.23	1.24
RRl	1.19	1.19	1.20
RRu	1.37	1.27	1.28
P	+++	+++	+++
Random RR	1.28	1.22	1.23
RRl	1.19	1.16	1.18
RRu	1.37	1.28	1.29
P	+++	+++	+++
Between Chi			0.95
Between df			1
Between P			N.S.

Appendix Table G1 - 3

IESAST - Meta-analysis of Lifetime Exposure, Biochemical/Total (or Household, or Parent if Bio/Tot not available)

Lifetime Asthma

Adjusted

Study adjusts for cooking, heating, air conditioning

Yes No Total

RR data

N	12	80	92
NS	12	75	87
Wt	619.68	3973.33	4593.01
Het Chi	17.40	131.15	149.09
Het df	11	79	91
Het P	(*)	***	***
Fixed RR	1.27	1.23	1.24
RRl	1.18	1.20	1.20
RRu	1.38	1.27	1.28
P	+++	+++	+++
Random RR	1.30	1.22	1.23
RRl	1.16	1.16	1.18
RRu	1.46	1.28	1.29
P	+++	+++	+++
Between Chi			0.54
Between df			1
Between P			N.S.

Study adjusts for housing quality, crowding, damp, mould

N	14	78	92
NS	14	73	87
Wt	448.43	4144.58	4593.01
Het Chi	20.45	128.61	149.09
Het df	13	77	91
Het P	(*)	***	***
Fixed RR	1.25	1.24	1.24
RRl	1.14	1.20	1.20
RRu	1.37	1.28	1.28
P	+++	+++	+++
Random RR	1.28	1.23	1.23
RRl	1.13	1.17	1.18
RRu	1.45	1.29	1.29
P	+++	+++	+++
Between Chi			0.03
Between df			1
Between P			N.S.

Study adjusts for pets, animal contact, farming

N	11	81	92
NS	10	77	87
Wt	349.38	4243.63	4593.01
Het Chi	12.76	136.23	149.09
Het df	10	80	91
Het P	N.S.	***	***
Fixed RR	1.26	1.24	1.24
RRl	1.13	1.20	1.20
RRu	1.40	1.28	1.28
P	+++	+++	+++
Random RR	1.26	1.23	1.23
RRl	1.11	1.17	1.18
RRu	1.43	1.29	1.29
P	+++	+++	+++
Between Chi			0.10
Between df			1
Between P			N.S.

Appendix Table G1 - 3

IESAST - Meta-analysis of Lifetime Exposure, Biochemical/Total (or Household, or Parent if Bio/Tot not available)

Lifetime Asthma
Adjusted
Study adjusts for child's medical history

	Yes	No	Total
--	-----	----	-------

RR data

N	30	62	92
NS	27	60	87
Wt	1210.34	3382.67	4593.01
Het Chi	50.86	97.67	149.09
Het df	29	61	91
Het P	**	**	***
Fixed RR	1.22	1.25	1.24
RR1	1.15	1.21	1.20
RRu	1.29	1.29	1.28
P	+++	+++	+++
Random RR	1.25	1.23	1.23
RR1	1.15	1.16	1.18
RRu	1.36	1.29	1.29
P	+++	+++	+++
Between Chi			0.55
Between df			1
Between P			N.S.

Study adjusts for in utero exposure

N	5	87	92
NS	4	83	87
Wt	176.57	4416.44	4593.01
Het Chi	8.37	134.10	149.09
Het df	4	86	91
Het P	(*)	***	***
Fixed RR	1.03	1.25	1.24
RR1	0.88	1.21	1.20
RRu	1.19	1.29	1.28
P	N.S.	+++	+++
Random RR	1.07	1.24	1.23
RR1	0.84	1.19	1.18
RRu	1.37	1.30	1.29
P	N.S.	+++	+++
Between Chi			6.61
Between df			1
Between P			*

Study adjusts for in life exposure

N	16	76	92
NS	15	72	87
Wt	867.75	3725.26	4593.01
Het Chi	23.56	124.12	149.09
Het df	15	75	91
Het P	(*)	***	***
Fixed RR	1.20	1.25	1.24
RR1	1.12	1.21	1.20
RRu	1.28	1.29	1.28
P	+++	+++	+++
Random RR	1.20	1.24	1.23
RR1	1.10	1.18	1.18
RRu	1.31	1.31	1.29
P	+++	+++	+++
Between Chi			1.41
Between df			1
Between P			N.S.

Appendix Table G1 - 3

IESAST - Meta-analysis of Lifetime Exposure, Biochemical/Total (or Household, or Parent if Bio/Tot not available)

		Lifetime Asthma						
		Adjusted						
		Exposed group : Source/who is smoker						
		Biochem	TotETS	AnyHh	AnyPar	Mother	Father	Total
RR data	N	2	4	39	19	26	2	92
	NS	2	4	38	18	24	1	87
	Wt	33.65	36.60	1851.33	518.57	2096.23	56.63	4593.01
	Het Chi	1.71	3.06	69.18	17.41	34.25	0.10	149.09
	Het df	1	3	38	18	25	1	91
	Het P	N.S.	N.S.	**	N.S.	N.S.	N.S.	***
	Fixed RR	1.36	1.71	1.15	1.22	1.32	1.15	1.24
	RRl	0.97	1.24	1.10	1.12	1.27	0.88	1.20
	RRu	1.91	2.37	1.21	1.33	1.38	1.49	1.28
	P	(+)	++	+++	+++	+++	+++	+++
	Random RR	1.41	1.71	1.16	1.22	1.34	1.15	1.23
	RRl	0.89	1.23	1.09	1.12	1.25	0.88	1.18
	RRu	2.23	2.37	1.24	1.33	1.44	1.49	1.29
	P	N.S.	++	+++	+++	+++	N.S.	+++
	Between Chi							23.39
	Between df							5
	Between P							***
		<u>Exposed group : when Exposed</u>						
		lif/ev	age<7y	current	unspec	other	Total	
	N	22	6	29	32	3	92	
	NS	20	5	28	31	3	87	
	Wt	1845.19	348.63	974.52	1359.86	64.81	4593.01	
	Het Chi	31.92	23.12	36.68	50.86	1.98	149.09	
	Het df	21	5	28	31	2	91	
	Het P	(*)	***	N.S.	*	N.S.	***	
	Fixed RR	1.25	1.23	1.27	1.19	1.45	1.24	
	RRl	1.20	1.11	1.19	1.13	1.14	1.20	
	RRu	1.31	1.37	1.35	1.26	1.85	1.28	
	P	+++	+++	+++	+++	++	+++	
	Random RR	1.20	1.34	1.26	1.22	1.45	1.23	
	RRl	1.11	0.99	1.17	1.13	1.14	1.18	
	RRu	1.30	1.81	1.36	1.32	1.85	1.29	
	P	+++	(+)	+++	+++	++	+++	
	Between Chi							4.51
	Between df							4
	Between P							N.S.
		<u>Unexposed group : who is smoker</u>						
		NoHhMemb	NoParent	NotSpPar	Total			
	N	45	21	26	92			
	NS	44	19	24	87			
	Wt	1921.58	575.20	2096.23	4593.01			
	Het Chi	80.40	17.69	34.25	149.09			
	Het df	44	20	25	91			
	Het P	***	N.S.	N.S.	***			
	Fixed RR	1.16	1.21	1.32	1.24			
	RRl	1.11	1.11	1.27	1.20			
	RRu	1.22	1.31	1.38	1.28			
	P	+++	+++	+++	+++			
	Random RR	1.19	1.21	1.34	1.23			
	RRl	1.11	1.11	1.25	1.18			
	RRu	1.27	1.31	1.44	1.29			
	P	+++	+++	+++	+++			
	Between Chi				16.75			
	Between df				2			
	Between P				***			

Appendix Table G1 - 3

IESAST - Meta-analysis of Lifetime Exposure, Biochemical/Total (or Household, or Parent if Bio/Tot not available)

		Unexposed group : time		Lifetime Asthma Adjusted				
		non	never non+othr	NA	Total			
RR data								
	N	79	11	2	92			
	NS	75	10	2	87			
	Wt	2991.97	1567.38	33.65	4593.01			
Het	Chi	133.16	9.29	1.71	149.09			
Het	df	78	10	1	91			
Het	P	***	N.S.	N.S.	***			
Fixed	RR	1.21	1.29	1.36	1.24			
	RRl	1.17	1.23	0.97	1.20			
	RRu	1.26	1.36	1.91	1.28			
	P	+++	+++	(+)	+++			
Random	RR	1.23	1.29	1.41	1.23			
	RRl	1.16	1.23	0.89	1.18			
	RRu	1.29	1.36	2.23	1.29			
	P	+++	+++	N.S.	+++			
Between	Chi				4.92			
Between	df				2			
Between	P				(*)			
		<u>Number of adjustment variables</u>						
		0	1	2	3-5	6-9	10+	Total
	N	46	14	3	11	15	3	92
	NS	45	11	3	10	15	3	87
	Wt	2783.78	364.24	158.79	548.92	635.91	101.37	4593.01
Het	Chi	63.17	24.77	0.54	36.57	16.59	1.94	149.09
Het	df	45	13	2	10	14	2	91
Het	P	*	*	N.S.	***	N.S.	N.S.	***
Fixed	RR	1.25	1.19	1.27	1.14	1.29	1.31	1.24
	RRl	1.21	1.08	1.09	1.05	1.19	1.08	1.20
	RRu	1.30	1.32	1.48	1.24	1.39	1.60	1.28
	P	+++	+++	++	++	+++	++	+++
Random	RR	1.22	1.26	1.27	1.23	1.29	1.31	1.23
	RRl	1.15	1.07	1.09	1.04	1.18	1.08	1.18
	RRu	1.29	1.48	1.48	1.46	1.41	1.60	1.29
	P	+++	++	++	+	+++	++	+++
Between	Chi							5.51
Between	df							5
Between	P							N.S.
		<u>RR adjusted for sex</u>						
		Yes	No	Total				
	N	24	68	92				
	NS	24	63	87				
	Wt	1013.95	3579.06	4593.01				
Het	Chi	39.72	109.23	149.09				
Het	df	23	67	91				
Het	P	*	***	***				
Fixed	RR	1.25	1.24	1.24				
	RRl	1.18	1.20	1.20				
	RRu	1.33	1.28	1.28				
	P	+++	+++	+++				
Random	RR	1.27	1.22	1.23				
	RRl	1.17	1.16	1.18				
	RRu	1.39	1.28	1.29				
	P	+++	+++	+++				
Between	Chi			0.13				
Between	df			1				
Between	P			N.S.				

Appendix Table G1 - 3

IESAST - Meta-analysis of Lifetime Exposure, Biochemical/Total (or Household, or Parent if Bio/Tot not available)
 Lifetime Asthma
 Adjusted

RR adjusted for age
 Yes No Total

RR data

N	19	73	92
NS	17	70	87
Wt	754.36	3838.65	4593.01
Het Chi	29.65	116.38	149.09
Het df	18	72	91
Het P	*	***	***
Fixed RR	1.17	1.25	1.24
RRl	1.09	1.22	1.20
RRu	1.26	1.29	1.28
P	+++	+++	+++
Random RR	1.18	1.25	1.23
RRl	1.07	1.19	1.18
RRu	1.31	1.31	1.29
P	+++	+++	+++
Between Chi			3.06
Between df			1
Between P			(*)

RR adjusted for other ETS

N	6	86	92
NS	5	82	87
Wt	255.27	4337.74	4593.01
Het Chi	17.96	130.51	149.09
Het df	5	85	91
Het P	**	**	***
Fixed RR	1.18	1.24	1.24
RRl	1.05	1.21	1.20
RRu	1.34	1.28	1.28
P	++	+++	+++
Random RR	1.23	1.23	1.23
RRl	0.95	1.18	1.18
RRu	1.59	1.29	1.29
P	N.S.	+++	+++
Between Chi			0.61
Between df			1
Between P			N.S.

RR adjusted for factor other than sex, age, other ETS

N	43	49	92
NS	40	47	87
Wt	1731.85	2861.16	4593.01
Het Chi	84.30	64.47	149.09
Het df	42	48	91
Het P	***	(*)	***
Fixed RR	1.23	1.25	1.24
RRl	1.17	1.20	1.20
RRu	1.29	1.29	1.28
P	+++	+++	+++
Random RR	1.27	1.22	1.23
RRl	1.18	1.15	1.18
RRu	1.36	1.28	1.29
P	+++	+++	+++
Between Chi			0.31
Between df			1
Between P			N.S.

Appendix Table G1 - 3

IESAST - Meta-analysis of Lifetime Exposure, Biochemical/Total (or Household, or Parent if Bio/Tot not available)

		Lifetime Asthma				
		Adjusted				
		Derivation of RR/CI				
		Original	Numbers	SumNumbs	Other	Total
RR data						
	N	28	32	13	19	92
	NS	28	30	12	17	87
	Wt	1227.81	1147.21	336.22	1881.76	4593.01
Het	Chi	36.92	46.66	17.10	40.78	149.09
Het	df	27	31	12	18	91
Het	P	(*)	*	N.S.	**	***
Fixed	RR	1.29	1.22	1.10	1.25	1.24
	RRl	1.22	1.15	0.99	1.19	1.20
	RRu	1.37	1.29	1.22	1.30	1.28
	P	+++	+++	(+)	+++	+++
Random	RR	1.30	1.26	1.09	1.19	1.23
	RRl	1.21	1.15	0.94	1.08	1.18
	RRu	1.39	1.36	1.25	1.30	1.29
	P	+++	+++	N.S.	+++	+++
Between	Chi					7.63
Between	df					3
Between	P					(*)

Appendix Table G1 - 4

IESAST - Meta-analysis of Lifetime Exposure, Biochemical/Total (or Household, or Parent if Bio/Tot not available)
Lifetime Asthma
Unadjusted

REF NRR X SEX AGE AGEH RACE	LOC BEGYR PUBYR STYP ADJ EXP-who UNEXsource	EXPOS-time UNEXTI BIOMEA
ALBA 1 b 0 13 all Eu:wst 1993 1996 CC 0 AnyHh NoHhMemb current non -		
ALDAWO 2 m 6 15 all As:ME * 2000 CS 0 Mother NotMothr ever never -		
ALFRA1 2 b 7 12 all As:ME 1986 1990 CS 0 Mother NotMothr unspec non -		
ANDRAE 1 x b 0 16 all Eu:Sca 1985 1988 CS 0 AnyPar NoParent in life non -		
ANNESI 1 b 1 18 all Eu:UK 1991 2001 CS 0 AnyPar NoParent unspec non -		
BARRET 1 b 9 11 all Eu:Ita 1999 2001 CS 0 AnyHh NoHhMemb current non -		
BECKET 5 x b 0 17 all NAmer 1993 1996 CS 0 AnyHh NoHhMemb ever never -		
BENER 1 b 6 14 all As:ME 1992 1996 CS 0 AnyPar NoParent unspec non -		
BRABIN 1 x b 5 11 all Eu:UK 1991 1994 CS 0 AnyHh NoHhMemb unspec non -		
BURCHF 5 m 0 19 all NAmer 1962 1986 CS 1 AnyPar NoParent utero/life non -		
BURCHF 8 f 0 19 all NAmer 1962 1986 CS 1 AnyPar NoParent utero/life non -		
BUTZ 6 x b * * all NAmer 1989 1992 CC 0 TotETS None current non -		
CHEN1 1 b 1 1 all As:FE 1985 1988 CS 0 AnyHh NoHhMemb in life non -		
CHEN2 11 x b 6 17 all NAmer 1993 1996 CS 0 AnyHh NoHhMemb current non -		
DELL 2 b 1 1 all NAmer 1994 2001 CS 0 AnyPar NoParent current non -		
DODGE 9 x b 8 12 all NAmer 1978 1982 Pr 0 AnyPar NoParent unspec non -		
DOLD 17 x b 9 11 all Eu:Ger 1989 1992 CS 0 AnyHh NoHhMemb unspec non -		
ECE 3 b 6 15 all Eu:est 1999 2001 CS 0 AnyHh NoHhMemb current non -		
EHRLL2 3 b 3 14 all NAmer 1988 1992 CC 0 Biochem Low - - urine		
FARBE2 1 x b 5 17 all NAmer 1987 1997 CS 0 Mother NotMothr current non -		
FAROOQ 1 b 0 21 all Eu:UK 1975 1998 CS 0 Mother NotMothr ever never -		
FERGUS 7 b 0 6 all Auslia 1977 1985 Pr 0 AnyPar NoParent in life non -		
FLYNN1 1 b 9 10 all Auslia 1990 1994 CS 0 AnyHh NoHhMemb unspec non -		
FORAST 7 x b 7 11 all Eu:Ita 1987 1992 CS 0 AnyPar NoParent unspec non -		
GILLIL 59 x m 7 19 all NAmer 1993 2001 CS 0 AnyHh NoHhMemb in life non -		
GILLIL 68 x f 7 19 all NAmer 1993 2001 CS 0 AnyHh NoHhMemb in life non -		
GOLD 11 b 6 18 wh NAmer 1974 1993 Pr 0 Mother NotMothr <6y non -		
GOREN1 3 b 7 11 all As:ME 1980 1986 CS 0 AnyHh NoHhMemb current non -		
GOREN2 2 x b 7 11 all As:ME 1982 1995 CS 0 Mother NotMothr ever never -		
GORTM1 1 x b 0 17 all NAmer 1977 1982 CS 0 Mother NotMothr current non -		
GORTM2 1 b 0 17 all NAmer 1980 1982 CS 0 Mother NotMothr current non -		
GURKAN 1 b 3 15 all Eu:est 1995 2002 CC 0 TotETS None unspec non -		
HAJNAL 1 b 6 14 all Eu:wst 1992 1999 CS 13 AnyHh NoHhMemb current non -		
HU1 2 x b 10 11 all NAmer 1994 1997 CS 0 Mother NotMothr current non -		
HU2 21 x b 20 22 all NAmer 1986 1997 Pr 0 AnyPar LowParnt 13-15y non -		
JENKIN 1 x m 7 7 all Auslia 1968 1993 CS 0 Mother NotMothr current non -		
JENKIN 3 x f 7 7 all Auslia 1968 1993 CS 0 Mother NotMothr current non -		
KAY 7 x b 3 11 all Eu:UK * 1995 CS 0 AnyPar NoParent unspec non -		
KENDIR 1 b 6 14 all Eu:est 1993 1998 CS 0 AnyHh NoHhMemb current non -		
KERSHA 3 x b 0 5 all Eu:UK 1983 1987 CC 0 AnyHh LowHh <3y non -		
KIVITY 4 b 8 17 jew As:ME * 2001 CS 0 Mother NotMothr unspec non -		
KUEHR 2 x b 6 8 all Eu:Ger 1990 1992 CS 0 Mother NotMothr <1y non -		
KUHR 4 b 7 16 all Eu:Ger 1987 1991 CS 0 AnyPar NoParent in life non -		
LAM1 4 x b 12 15 all As:FE 1994 1998 CS 0 AnyHh NoHhMemb unspec non -		
LAM2 1 b 8 13 all As:FE 1995 1999 CS 4 AnyHh NoHhMemb unspec non -		
LEEDER 1 x b 0 5 all Eu:UK 1963 1976 Pr 0 AnyPar NoParent in life non -		
LEROUX 1 x b 6 7 all Eu:wst 1990 1995 CS 0 AnyPar LowParnt unspec non -		
LIS 1 b 12 14 all Eu:est 1992 1997 CS 0 Mother NotMothr unspec non -		
LISTER 1 x b 0 4 all Auslia 1989 1998 CS 0 Mother NotMothr current non -		
MAIER 6 x b 5 9 all NAmer 1994 1997 CS 0 TotETS None current non -		
MARTIN 1 x m 0 12 all NAmer 1972 1992 Pr 0 Mother LowMothr <5y non -		
MARTIN 2 x f 0 12 all NAmer 1972 1992 Pr 0 Mother LowMothr <5y non -		
MCCON2 2 b 5 9 all NAmer 1980 1986 CS 0 AnyHh Low in life non -		
MCKEEV 4 b 0 11 all Eu:UK * 2001 Pr 0 Mother NotMothr ever never -		
MOYES1 1 b 6 7 all Auslia * 1995 CS 0 AnyHh NoHhMemb unspec non -		
MOYES2 1 b 13 14 all Auslia * 1995 CS 0 AnyHh NoHhMemb unspec non -		
MURRAY 1 x m 1 17 all NAmer 1986 1990 CS 0 Mother NotMothr unspec non -		
MURRAY 3 x f 1 17 all NAmer 1986 1990 CS 0 Mother NotMothr unspec non -		
NHANE3 37 x b 4 16 w+b NAmer 1988 2001 CS 0 Biochem Low - - blood		
NILSSO 1 b 13 14 all Eu:Sca * 1999 CS 0 AnyPar NoParent current non -		
OCONNE 1 b 2 16 all NAmer 1969 1974 CC 0 AnyPar NoParent unspec non -		
ODDY 1 b 0 6 all Auslia 1989 1999 Pr 4 AnyHh NoHhMemb unspec non -		
POKHAR 1 x b 11 15 all As:cen 1995 2001 CC 0 AnyHh NoHhMemb unspec non -		
PONSON 7 x b 0 7 all Auslia 1988 2000 Pr 0 AnyHh NoHhMemb <1m non -		
RASANE 1 x b 16 16 all Eu:Sca 1991 2000 CS 0 Mother NotMothr ever never -		
RATAGE 1 b 5 15 all As:cen 1996 2000 CC 0 AnyHh NoHhMemb unspec non -		
RENNIE 1 b 6 11 all NAmer 1993 2002 CS 6 AnyPar NoParent in life non -		
RONCH1 3 x m 6 13 all Eu:Ita 1974 2001 CS 0 AnyHh Low current non -		
RONCH1 6 x f 6 13 all Eu:Ita 1974 2001 CS 0 AnyHh Low current non -		
RONCH2 3 b 6 14 all Eu:Ita 1992 2001 CS 0 AnyHh Low current non -		

Appendix Table G1 - 4

IESAST - Meta-analysis of Lifetime Exposure, Biochemical/Total (or Household, or Parent if Bio/Tot not available)
 Lifetime Asthma
 Unadjusted

REF	NRR	X	SEX	AGEL	AGEH	RACE	LOC	BEGYR	PUBYR	STYP	ADJ	EXP-who	UNEXsource	EXPOS-time	UNEXTI	BIOMEA
RONCH3	3		b	6	14	all	Eu:Ita	1998	2001	CS	0	AnyHh	Low	current	non	-
RONMAR	4	x	b	7	10	all	Eu:Sca	1996	2002	Pr	0	Mother	NotMothr	unspec	non	-
ROSASV	1		b	1	3	all	SCAmer	*	2002	CC	0	Mother	NotMothr	in life	non	-
SELCUK	1	x	b	7	12	all	Eu:est	1994	1997	CS	0	AnyHh	NoHhMemb	unspec	non	-
SENNHA	1		b	1	16	all	Eu:wst	1990	1992	CS	0	AnyHh	NoHhMemb	unspec	non	-
SHAMSS	2		b	6	7	all	Eu:UK	*	1999	CS	0	Mother	NotMothr	unspec	non	-
SHERMA	2		b	5	23	all	NAmer	1975	1990	Pr	2	Mother	NotMothr	ever	never	-
SIGURS	1		b	0	3	all	Eu:Sca	1989	1995	Pr	0	AnyPar	NoParent	unspec	non	-
SOYSET	2	x	b	7	13	all	Eu:Sca	1989	1995	CS	0	Mother	NotMothr	in life	non	-
SQUILL	1		b	8	12	all	NAmer	1992	1997	CC	0	AnyHh	NoHhMemb	unspec	non	-
STANHO	2		b	12	18	all	Auslia	1975	1979	CS	0	Mother	NotMothr	current	non	-
TIMONE	1		b	7	12	all	Eu:Sca	1993	1995	CS	0	AnyHh	NoHhMemb	current	non	-
TSIMOY	1		b	12	17	all	NAmer	1985	1987	CS	0	TotETS	None	current	non	-
VARELA	1		b	6	15	all	SCAmer	1999	2001	CS	0	AnyHh	NoHhMemb	unspec	non	-
VAVILI	1		b	6	15	all	Eu:est	*	2000	CC	0	AnyHh	NoHhMemb	unspec	non	-
VENNER	6		m	8	15	all	As:FE	1995	2001	CS	0	Father	NoParent	current	never	-
VENNER	3		f	8	15	all	As:FE	1995	2001	CS	0	Father	NoParent	current	never	-
VERHOE	3		b	7	11	all	Eu:wst	*	1992	CC	0	AnyPar	NoParent	ever	never	-
VONMAF	1		b	0	17	all	NAmer	1993	2001	CS	0	AnyHh	NoHhMemb	ever	never	-
WITHER	1		b	14	16	all	Eu:UK	1995	1998	CS	0	AnyHh	NoHhMemb	current	non	-
WOLFO1	2		b	8	8	all	Eu:Ger	1977	1995	CS	7	AnyHh	NoHhMemb	current	non	-
WOLFO2	2		b	10	10	all	Eu:Ger	1979	1995	CS	7	AnyHh	NoHhMemb	current	non	-
WOLFO3	2		b	16	16	all	Eu:Ger	1985	1995	CS	10	AnyHh	NoHhMemb	current	non	-
ZEIGER	1		b	0	7	all	NAmer	1981	1995	Pr	0	AnyHh	NoHhMemb	unspec	non	-

Appendix Table G1 - 5

IESAST - Meta-analysis of Lifetime Exposure, Biochemical/Total (or Household, or Parent if Bio/Tot not available)
 Lifetime Asthma
 Unadjusted

REF	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
				Case	Cont	Case	Cont		
ALBA	1	b	0	68	70	34	32	0.91	(0.51- 1.64)
ALDAWO	2	m	0	11	51	130	1290	2.14	(1.09- 4.21)
ALFRA1	2	b	0	-	-	-	-	1.51	(1.04- 2.37)
ANDRAE	1	b	0	101	2034	148	2645	0.89	(0.68- 1.15)
ANNESI	1	b	0	164	1243	255	2491	1.29	(1.05- 1.59)
BARRET	1	b	0	17	91	9	81	1.68	(0.71- 3.98)
BECKET	5	b	0	133	826	352	3223	1.47	(1.19- 1.83)
BENER	1	b	0	35	189	64	441	1.28	(0.82- 1.99)
BRABIN	1	b	0	204	932	114	569	1.09	(0.85- 1.41)
BURCHF	5	m	1	223	-	45	-	1.24	(0.88- 1.75)
BURCHF	8	f	1	133	-	35	-	1.00	(0.68- 1.49)
Subtotal BURCHF								1.13	(0.87- 1.46)
BUTZ	6	b	0	28	25	74	80	1.21	(0.65- 2.26)
CHEN1	1	b	0	64	1668	14	467	1.28	(0.71- 2.30)
CHEN2	11	b	0	32	252	61	547	1.14	(0.72- 1.79)
DELL	2	b	0	-	-	-	-	1.52	(0.96- 2.40)
DODGE	9	b	0	21	310	12	285	1.61	(0.78- 3.33)
DOLD	17	b	0	217	2307	295	3613	1.15	(0.96- 1.38)
ECE	3	b	0	298	1704	132	906	1.20	(0.96- 1.50)
EHRLI2	3	b	0	37	29	60	88	1.87	(1.04- 3.36)
FARBE2	1	b	0	109	707	116	1109	1.47	(1.12- 1.95)
FAROOQ	1	b	0	-	-	-	-	1.29	(1.03- 1.63)
*FERGUS	7	b	0	75	572	58	460	1.04	(0.76- 1.43)
FLYNN1	1	b	0	-	-	-	-	1.26	(0.95- 1.68)
FORAST	7	b	0	164	1800	52	781	1.37	(0.99- 1.89)
GILLIL	59	m	0	149	725	266	1239	0.96	(0.77- 1.19)
GILLIL	68	f	0	130	865	162	1340	1.24	(0.97- 1.59)
Subtotal GILLIL								1.08	(0.91- 1.27)
GOLD	11	b	0	554	3996	414	3856	1.29	(1.13- 1.48)
GOREN1	3	b	0	80	766	50	514	1.07	(0.74- 1.56)
GOREN2	2	b	0	203	1505	461	4103	1.20	(1.01- 1.43)
GORTM1	1	b	0	97	1158	91	1726	1.59	(1.18- 2.14)
GORTM2	1	b	0	15	315	14	550	1.87	(0.89- 3.93)
GURKAN	1	b	0	50	22	90	74	1.87	(1.04- 3.37)
HAJNAL	1	b	13	-	-	-	-	1.20	(0.94- 1.54)
HU1	2	b	0	45	131	62	220	1.22	(0.78- 1.89)
HU2	21	b	0	52	240	101	1083	2.32	(1.62- 3.34)
JENKIN	1	m	0	310	1159	502	2367	1.26	(1.08- 1.48)
JENKIN	3	f	0	224	1208	313	2448	1.45	(1.21- 1.74)
Subtotal JENKIN								1.34	(1.19- 1.51)
KAY	7	b	0	103	348	108	518	1.42	(1.05- 1.92)
KENDIR	1	b	0	-	-	-	-	1.41	(1.16- 1.72)
KERSHA	3	b	0	71	714	15	485	3.22	(1.82- 5.68)
KIVITY	4	b	0	23	94	56	412	1.80	(1.05- 3.07)
KUEHR	2	b	0	28	282	134	957	0.71	(0.46- 1.09)
KUHR	4	b	0	34	469	7	194	2.01	(0.88- 4.61)
LAM1	4	b	0	163	1956	201	2162	0.90	(0.72- 1.11)
LAM2	1	b	4	-	-	-	-	0.91	(0.69- 1.18)
*LEEDER	1	b	0	48	1433	11	445	1.36	(0.71- 2.59)
LEROUX	1	b	0	39	374	58	722	1.30	(0.85- 1.98)
LIS	1	b	0	-	-	-	-	1.36	(1.00- 1.90)
LISTER	1	b	0	-	-	-	-	1.47	(1.19- 1.83)
MAIER	6	b	0	33	145	73	674	2.10	(1.34- 3.29)
*MARTIN	1	m	0	17	80	41	315	1.63	(0.98- 2.72)
*MARTIN	2	f	0	8	63	20	281	1.78	(0.82- 3.87)
Subtotal MARTIN								1.68	(1.10- 2.57)
MCCON2	2	b	0	2	45	13	163	0.56	(0.12- 2.56)
*MCKEEV	4	b	0	1609	7675	2088	13058	1.31	(1.24- 1.39)
MOYES1	1	b	0	358	1017	295	886	1.06	(0.88- 1.26)
MOYES2	1	b	0	363	1285	252	842	0.94	(0.79- 1.13)
MURRAY	1	m	0	50	34	153	149	1.43	(0.88- 2.34)
MURRAY	3	f	0	22	29	67	116	1.31	(0.70- 2.47)
Subtotal MURRAY								1.39	(0.94- 2.04)
NHANE3	37	b	0	424	3344	175	1457	1.06	(0.88- 1.27)
NILSSO	1	b	0	-	-	-	-	1.00	(0.70- 1.40)
OCONNE	1	b	0	264	137	136	91	1.29	(0.92- 1.80)
*ODDY	1	b	4	-	-	-	-	1.27	(1.04- 1.55)
POKHAR	1	b	0	27	35	13	45	2.67	(1.21- 5.92)

Appendix Table G1 - 5

IESAST - Meta-analysis of Lifetime Exposure, Biochemical/Total (or Household, or Parent if Bio/Tot not available)
Lifetime Asthma
Unadjusted

REF	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
				Case	Cont	Case	Cont		
*PONSON	7	b	0	185	558	88	293	1.10	(0.89- 1.36)
RASANE	1	b	0	101	2055	76	2306	1.49	(1.10- 2.02)
RATAGE	1	b	0	62	30	58	30	1.07	(0.58- 1.99)
RENNIE	1	b	6	-	-	-	-	1.02	(0.60- 1.75)
RONCH1	3	m	0	23	235	48	790	1.61	(0.96- 2.70)
RONCH1	6	f	0	17	226	35	764	1.64	(0.90- 2.99)
Subtotal	RONCH1							1.62	(1.10- 2.40)
RONCH2	3	b	0	60	351	93	726	1.33	(0.94- 1.89)
RONCH3	3	b	0	40	312	91	696	0.98	(0.66- 1.46)
*RONMAR	4	b	0	-	-	-	-	1.12	(0.72- 1.73)
ROSASV	1	b	0	9	6	65	68	1.57	(0.53- 4.66)
SELCUK	1	b	0	689	3248	193	1282	1.41	(1.19- 1.67)
SENNHA	1	b	0	119	1631	132	2268	1.25	(0.97- 1.62)
SHAMSS	2	b	0	-	-	-	-	1.39	(1.12- 1.74)
*SHERMA	2	b	2	-	-	-	-	1.18	(0.76- 1.83)
*SIGURS	1	b	0	-	-	-	-	1.20	(0.41- 3.60)
SOYSET	2	b	0	35	297	16	270	1.99	(1.08- 3.67)
SQUILL	1	b	0	38	80	97	226	1.11	(0.70- 1.74)
STANHO	2	b	0	7	169	20	193	0.40	(0.16- 0.97)
TIMONE	1	b	0	10	225	170	2139	0.56	(0.29- 1.07)
TSIMOY	1	b	0	9	123	4	57	1.04	(0.31- 3.53)
VARELA	1	b	0	27	13	7	10	2.97	(0.92- 9.57)
VAVILI	1	b	0	60	74	40	30	0.61	(0.34- 1.09)
VENNER	6	m	0	217	477	48	116	1.10	(0.76- 1.60)
VENNER	3	f	0	214	466	50	130	1.19	(0.83- 1.72)
Subtotal	VENNER							1.15	(0.88- 1.49)
VERHOE	3	b	0	78	185	39	72	0.78	(0.49- 1.25)
VONMAF	1	b	0	166	766	217	1260	1.26	(1.01- 1.57)
WITHER	1	b	0	202	633	296	1107	1.19	(0.97- 1.46)
WOLFO1	2	b	7	-	-	-	-	1.12	(0.63- 1.98)
WOLFO2	2	b	7	-	-	-	-	1.35	(0.75- 2.43)
WOLFO3	2	b	10	-	-	-	-	1.39	(0.93- 2.06)
*ZEIGER	1	b	0	8	22	42	143	1.24	(0.67- 2.28)
Partial Totals				10105	58641	10427	77576		

*prospective study

REF	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
ALBA	1	b	0	-0.09	11.15	1.09	0.7647
ALDAWO	2	m	0	0.76	8.40	2.43	0.0274
ALFRA1	2	b	0	0.41	22.65	0.80	0.0498
ANDRAE	1	b	0	-0.12	57.05	6.72	0.3670
ANNESI	1	b	0	0.25	89.09	0.08	0.0166
BARRET	1	b	0	0.52	5.17	0.45	0.2373
BECKET	5	b	0	0.39	84.17	2.28	0.0004
BENER	1	b	0	0.24	19.32	0.01	0.2839
BRABIN	1	b	0	0.09	60.59	1.11	0.4910
BURCHF	5	m	1	0.22	32.51	0.00	0.2200
BURCHF	8	f	1	0.00	24.97	1.25	1.0000
Subtotal	BURCHF			-0.23	57.49	1.25	
BUTZ	6	b	0	0.19	9.83	0.01	0.5487
CHEN1	1	b	0	0.25	11.14	0.01	0.4102
CHEN2	11	b	0	0.13	18.71	0.16	0.5742
DELL	2	b	0	0.42	18.30	0.70	0.0733
DODGE	9	b	0	0.48	7.26	0.46	0.2000
DOLD	17	b	0	0.14	114.83	0.78	0.1294
ECE	3	b	0	0.18	79.23	0.13	0.1041
EHRLI2	3	b	0	0.63	11.17	1.81	0.0363
FARBE2	1	b	0	0.39	49.72	1.34	0.0062
FAROOQ	1	b	0	0.25	72.93	0.07	0.0297
*FERGUS	7	b	0	0.04	37.52	1.28	0.8106
FLYNN1	1	b	0	0.23	47.28	0.00	0.1120
FORAST	7	b	0	0.31	36.81	0.30	0.0570
GILLIL	59	m	0	-0.04	79.01	5.65	0.6979
GILLIL	68	f	0	0.22	63.42	0.00	0.0831
Subtotal	GILLIL			-0.27	142.43	5.65	
GOLD	11	b	0	0.26	211.41	0.22	0.0002
GOREN1	3	b	0	0.07	27.97	0.65	0.7071

Appendix Table G1 - 5

IESAST - Meta-analysis of Lifetime Exposure, Biochemical/Total (or Household, or Parent if Bio/Tot not available)
 Lifetime Asthma
 Unadjusted

REF	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
GOREN2	2	b	0	0.18	124.95	0.21	0.0411
GORTM1	1	b	0	0.46	43.97	2.52	0.0021
GORTM2	1	b	0	0.63	6.99	1.13	0.0978
GURKAN	1	b	0	0.63	11.10	1.79	0.0372
HAJNAL	1	b	13	0.18	63.05	0.11	0.1477
HU1	2	b	0	0.20	19.79	0.01	0.3785
HU2	21	b	0	0.84	29.22	11.21	0.0000
JENKIN	1	m	0	0.23	153.77	0.01	0.0040
JENKIN	3	f	0	0.37	112.42	2.46	0.0001
Subtotal JENKIN				0.16	266.19	2.47	
KAY	7	b	0	0.35	42.07	0.67	0.0231
KENDIR	1	b	0	0.34	99.03	1.42	0.0006
KERSHA	3	b	0	1.17	11.87	10.59	0.0001
KIVITY	4	b	0	0.59	13.44	1.78	0.0311
KUEHR	2	b	0	-0.34	20.93	6.74	0.1158
KUHR	4	b	0	0.70	5.57	1.25	0.0997
LAM1	4	b	0	-0.11	82.75	9.18	0.3195
LAM2	1	b	4	-0.09	53.37	5.40	0.4908
*LEEDER	1	b	0	0.30	9.19	0.06	0.3569
LEROUX	1	b	0	0.26	21.30	0.03	0.2285
LIS	1	b	0	0.31	37.30	0.26	0.0604
LISTER	1	b	0	0.39	82.96	2.17	0.0004
MAIER	6	b	0	0.74	19.09	5.14	0.0012
*MARTIN	1	m	0	0.49	14.81	1.05	0.0593
*MARTIN	2	f	0	0.58	6.43	0.81	0.1422
Subtotal MARTIN				0.62	21.23	1.86	
MCCON2	2	b	0	-0.58	1.65	1.08	0.4523
*MCKEEV	4	b	0	0.27	1119.12	2.49	0.0000
MOYES1	1	b	0	0.06	120.55	3.40	0.5411
MOYES2	1	b	0	-0.06	115.09	9.12	0.5355
MURRAY	1	m	0	0.36	15.96	0.29	0.1513
MURRAY	3	f	0	0.27	9.66	0.02	0.3967
Subtotal MURRAY				0.18	25.62	0.32	
NHANE3	37	b	0	0.05	110.40	3.17	0.5693
NILSSO	1	b	0	0.00	31.98	1.60	1.0000
OCONNE	1	b	0	0.25	33.98	0.03	0.1384
*ODDY	1	b	4	0.24	96.50	0.02	0.0189
POKHAR	1	b	0	0.98	6.07	3.49	0.0155
*PONSON	7	b	0	0.10	86.48	1.35	0.3581
RASANE	1	b	0	0.40	41.70	1.29	0.0099
RATAGE	1	b	0	0.07	10.00	0.25	0.8330
RENNIE	1	b	6	0.02	13.41	0.56	0.9422
RONCH1	3	m	0	0.48	14.32	0.92	0.0712
RONCH1	6	f	0	0.50	10.74	0.80	0.1042
Subtotal RONCH1				0.53	25.06	1.71	
RONCH2	3	b	0	0.29	31.60	0.13	0.1048
RONCH3	3	b	0	-0.02	24.61	1.46	0.9224
*RONMAR	4	b	0	0.11	20.00	0.24	0.6123
ROSASV	1	b	0	0.45	3.25	0.17	0.4168
SELCUK	1	b	0	0.34	129.52	1.84	0.0001
SENNHA	1	b	0	0.23	58.71	0.00	0.0833
SHAMSS	2	b	0	0.33	79.17	0.88	0.0034
*SHERMA	2	b	2	0.17	19.90	0.07	0.4603
*SIGURS	1	b	0	0.18	3.26	0.01	0.7422
SOYSET	2	b	0	0.69	10.19	2.19	0.0282
SQUILL	1	b	0	0.10	18.67	0.28	0.6613
STANHO	2	b	0	-0.92	4.90	6.38	0.0423
TIMONE	1	b	0	-0.58	9.03	5.85	0.0808
TSIMOY	1	b	0	0.04	2.59	0.09	0.9464
VARELA	1	b	0	1.09	2.80	2.09	0.0687
VAVILI	1	b	0	-0.50	11.30	5.87	0.0945
VENNER	6	m	0	0.09	27.66	0.46	0.6182
VENNER	3	f	0	0.18	28.98	0.06	0.3399
Subtotal VENNER				-0.18	56.63	0.52	
VERHOE	3	b	0	-0.25	17.31	3.89	0.2972
VONMAF	1	b	0	0.23	78.55	0.00	0.0417
WITHER	1	b	0	0.18	92.49	0.20	0.0890
WOLFO1	2	b	7	0.11	11.72	0.14	0.6981
WOLFO2	2	b	7	0.30	11.12	0.06	0.3170

Appendix Table G1 - 5

IESAST - Meta-analysis of Lifetime Exposure, Biochemical/Total (or Household, or Parent if Bio/Tot not available)
 Lifetime Asthma
 Unadjusted

REF	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
WOLFO3	2	b	10	0.33	24.30	0.27	0.1046
*ZEIGER	1	b	0	0.21	10.38	0.00	0.4914

RR data

	N	94
	NS	87
	Wt	4966.61
Het	Chi	158.33
Het	df	93
Het	P	***
Fixed	RR	1.25
	RR1	1.22
	RRu	1.29
	P	+++
Random	RR	1.25
	RR1	1.19
	RRu	1.30
	P	+++
Asymm	P	N.S.

Appendix Table G1 - 6

IESAST - Meta-analysis of Lifetime Exposure, Biochemical/Total (or Household, or Parent if Bio/Tot not available)
 Lifetime Asthma
 Unadjusted

RR data

	N	94							
	NS	87							
	Wt	4966.61							
	Het Chi	158.33							
	Het df	93							
	Het P	***							
Fixed	RR	1.25							
	RR1	1.22							
	RRu	1.29							
	P	+++							
Random	RR	1.25							
	RR1	1.19							
	RRu	1.30							
	P	+++							
Asymm	P	N.S.							
			<u>Sex</u>						
		both	male	female		Total			
	N	79	8	7		94			
	NS	79	8	7		94			
	Wt	4363.56	346.44	256.61		4966.61			
	Het Chi	142.10	10.55	4.53		158.33			
	Het df	78	7	6		93			
	Het P	***	N.S.	N.S.		***			
Fixed	RR	1.25	1.22	1.33		1.25			
	RR1	1.21	1.10	1.17		1.22			
	RRu	1.29	1.35	1.50		1.29			
	P	+++	+++	+++		+++			
Random	RR	1.24	1.25	1.33		1.25			
	RR1	1.18	1.08	1.17		1.19			
	RRu	1.30	1.45	1.50		1.30			
	P	+++	++	+++		+++			
Between	Chi					1.14			
Between	df					2			
Between	P					N.S.			
			<u>Continent</u>						
		NAmer	SCAmer	Europe	Asia	Auslia	Africa	Total	
	N	30	2	39	13	10		94	
	NS	26	2	38	12	9		87	
	Wt	1065.94	6.05	2600.46	436.69	857.47		4966.61	
	Het Chi	40.29	0.61	62.93	20.79	24.06		158.33	
	Het df	29	1	38	12	9		93	
	Het P	(*)	N.S.	**	(*)	**		***	
Fixed	RR	1.29	2.11	1.27	1.14	1.19		1.25	
	RR1	1.22	0.95	1.23	1.04	1.11		1.22	
	RRu	1.37	4.68	1.32	1.25	1.27		1.29	
	P	+++	(+)	+++	++	+++		+++	
Random	RR	1.31	2.11	1.25	1.19	1.18		1.25	
	RR1	1.21	0.95	1.17	1.04	1.05		1.19	
	RRu	1.42	4.68	1.33	1.37	1.32		1.30	
	P	+++	(+)	+++	+	++		+++	
Between	Chi							9.65	
Between	df							4	
Between	P							*	

Appendix Table G1 - 6

IESAST - Meta-analysis of Lifetime Exposure, Biochemical/Total (or Household, or Parent if Bio/Tot not available)

		Lifetime Asthma Unadjusted					
		Start year of study					
		<1970	1970-79	1980-89	1990+	unknown	Total
RR data							
	N	6	13	26	38	11	94
	NS	4	11	25	36	11	87
	Wt	366.85	467.03	974.09	1596.96	1561.69	4966.61
	Het Chi	3.30	13.91	47.37	58.75	32.31	158.33
	Het df	5	12	25	37	10	93
	Het P	N.S.	N.S.	**	*	***	***
	Fixed RR	1.30	1.31	1.26	1.22	1.25	1.25
	RRl	1.17	1.19	1.19	1.16	1.19	1.22
	RRu	1.44	1.43	1.35	1.28	1.31	1.29
	P	+++	+++	+++	+++	+++	+++
	Random RR	1.30	1.31	1.33	1.21	1.17	1.25
	RRl	1.17	1.17	1.20	1.13	1.01	1.19
	RRu	1.44	1.46	1.47	1.30	1.35	1.30
	P	+++	+++	+++	+++	+	+++
	Between Chi						2.69
	Between df						4
	Between P						N.S.
		Study type					
		CC	Pr	CS	Total		
	N	12	14	68	94		
	NS	12	13	62	87		
	Wt	155.71	1671.47	3139.43	4966.61		
	Het Chi	29.24	16.61	108.27	158.33		
	Het df	11	13	67	93		
	Het P	**	N.S.	**	***		
	Fixed RR	1.27	1.30	1.22	1.25		
	RRl	1.09	1.24	1.18	1.22		
	RRu	1.49	1.37	1.27	1.29		
	P	++	+++	+++	+++		
	Random RR	1.31	1.30	1.23	1.25		
	RRl	1.00	1.20	1.17	1.19		
	RRu	1.71	1.41	1.29	1.30		
	P	+	+++	+++	+++		
	Between Chi				4.21		
	Between df				2		
	Between P				N.S.		

Appendix Table G1 - 7

IESAST - Meta-analysis of Lifetime Exposure, Biochemical/Total (or Household, or Parent if Bio/Tot not available)
 Lifetime Asthma
 Excluded studies (and stage at which they were excluded)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	ADDOYO	AGABI1	AGABI2	ARSHAD	AZIZI	BALL	BERGMA	CALL	CHHABR	CHINN	CLARK	CONKA	CUNNI1	DAIGLE	DEKKER	DEKOK
	DIJKST	DOTTER	EHRLI1	FAGBUL	FORSB1	FORSB2	FORSB3	FUJI	GUPTA	HABY	HJERN1	HJERN2	HOST	HUGHES	INFANT	JAAKKO
	JONES	KALYO2	KARUNA	KNIGHT	LAU	LEE1	LEE2	LEEN	LILLJE	LINDFO	LOPEZC	MELIA	MELSOM	MOHAME	MOUSSA	MUMCUO
	NITTA	OHARA	OLIVET	PALMIE	PETERS	PIC	RIBEIR	SARRAZ	SCHMIT	SHOHAT	SOMERV	SOTOQU	STERN1	STODDA	STRACH	TARIQ
	TOMINA	WANG	WEITZ2	WILLE1	WILLE2	YANG	ZHENG									
3	CUNNI2	KAPLAN	KELLY	NYSTAD	TAYLOR	WEITZ1	XU									
5	AKCAKA	BURR	DEBENE	FIELDE	FLYNN2	GOREN3	GOREN4	GOREN5	GOREN6	KALYO1	KEARNE	MONTEF	RUDNIK	SANZOR	SCHENK	STAZI
	STERN2	ULRIK	VOLKME	ZEJDA												
15	ALFRA2	FARBE1	FARBE3	MCCON1	SPIEKE											

Appendix Table G1 - 8

IESAST - Meta-analysis of Lifetime Exposure, Biochemical/Total (or Household, or Parent if Bio/Tot not available)
Lifetime Asthma
Potentially overlapping studies

REF	REFGP	PRINC	OVERLAP	
GILLIL	GILLIL	1	MCCON1/GILLIL	
FARBE2	FARBE2	1	FARBE1/FARBE2/FARBE3	
BRABIN	BRABIN	1	KELLY/BRABIN	
KUEHR	KUEHR	1	KUEHR/SPIEKE	
ALFRA1	ALFRA1	1	ALFRA1/ALFRA2	
GOREN1	GOREN1	1	GOREN1/GOREN3/4/5/6	
WOLF01	WOLF01	1	WOLF01/WOLF02/WOLF03	
WOLF02	WOLF02	1	WOLF01/WOLF02/WOLF03	
WOLF03	WOLF03	1	WOLF01/WOLF02/WOLF03	

Adjusted - insufficient data for metaanalysis																	
REF	NRR	SEX	AGEL	AGEH	RACE	LOC	BEGYR	PUBYR	STTYP	ADJ	EXP-who	UNEXsource	EXPOS-time	UNEXTI	BIOMEA	RR	SIG
AKCAKA	1	b	6	15	all	Eu:est	1996	2000	CS	0	AnyHh	NoHhMemb	unspec	non	-	*	n
ALFRA1	4	b	7	12	all	As:ME	1986	1990	CS	6	Mother	NotMothr	unspec	non	-	1.01	?
BRABIN	3	b	5	11	all	Eu:UK	1991	1994	CS	6	AnyHh	NoHhMemb	unspec	non	-	*	n
BURR	1	b	0	7	all	Eu:UK	1982	1993	Pr	0	AnyPar	NoParent	utero/life	non	-	*	n
DEBENE	1	b	6	12	all	Eu:Ita	*	1994	CS	0	Mother	NotMothr	unspec	non	-	1.46	y
ECE	8	b	6	15	all	Eu:est	1999	2001	CS	3	AnyHh	NoHhMemb	current	non	-	*	n
FIELDE	1	b	8	11	all	Eu:UK	1995	1999	CS	5	AnyHh	NoHhMemb	current	non	-	*	n
FLYNN2	1	b	9	10	all	Auslia	1991	1994	CS	0	AnyHh	NoHhMemb	unspec	non	-	*	n
GOREN3	1	b	13	14	all	As:ME	1980	1997	CS	5	Mother	NotMothr	current	non	-	*	n
GOREN6	1	b	13	14	all	As:ME	1989	1997	CS	5	Mother	NotMothr	current	non	-	1.67	y
KALY01	1	b	6	12	all	Eu:est	1992	1994	CS	0	AnyHh	NoHhMemb	current	non	-	*	n
KEARNE	1	m	6	12	all	Eu:wst	1997	1998	CS	0	AnyHh	NoHhMemb	current	non	-	*	n
KIVITY	5	b	8	17	all	As:ME	*	2001	CS	4	AnyPar	NoParent	unspec	non	-	*	y
LEEDER	3	b	0	5	all	Eu:UK	1963	1976	Pr	9	AnyPar	NoParent	in life	non	-	*	n
LISTER	9	b	0	4	all	Auslia	1989	1998	CS	0	AnyHh	NoHhMemb	current	non	-	*	n
MONTEF	1	b	5	8	all	Eu:wst	*	2002	CS	0	AnyHh	NoHhMemb	unspec	non	-	*	n
RASANE	2	b	16	16	all	Eu:Sca	1991	2000	CS	0	AnyPar	NoParent	<7y	non	-	*	n
RUDNIK	1	b	8	10	all	Eu:est	1974	1985	Pr	0	AnyHh	NoHhMemb	unspec	non	-	0.74	?
RUDNIK	2	b	11	13	all	Eu:est	1974	1985	Pr	0	AnyHh	NoHhMemb	unspec	non	-	1.43	?
RUDNIK	3	b	14	16	all	Eu:est	1974	1985	Pr	0	AnyHh	NoHhMemb	unspec	non	-	1.09	?
SANZOR	1	b	7	14	all	Eu:wst	*	1990	CS	0	AnyPar	NoParent	unspec	non	-	*	n
SCHENK	1	b	5	14	all	NAmer	1979	1983	CS	3	Mother	NotMothr	unspec	non	-	*	n
STAZI	7	b	0	5	all	Eu:Ita	1993	2002	CS	7	Mother	NotMothr	in life	non	-	*	n
STERN2	7	b	7	12	all	NAmer	*	1989	CS	0	Mother	NotMothr	<2y	non	-	1.35	y
TIMONE	2	b	7	12	all	Eu:Sca	1993	1995	CS	0	AnyHh	NoHhMemb	<2y	non	-	*	n
ULRIK	1	b	7	23	all	Eu:Sca	1986	1996	Pr	4	AnyPar	NoParent	unspec	non	-	*	n
VOLKME	2	b	4	5	all	Auslia	1993	1995	CS	7	AnyPar	NoParent	unspec	non	-	*	n
ZEIGER	3	b	0	7	all	NAmer	1981	1995	Pr	4	AnyHh	NoHhMemb	unspec	non	-	*	n
ZEJDA	1	b	7	9	all	Eu:est	*	1996	CS	3	AnyPar	NoParent	unspec	non	-	*	n

Unadjusted - insufficient data for metaanalysis: as for adjusted plus the following																	
REF	NRR	SEX	AGEL	AGEH	RACE	LOC	BEGYR	PUBYR	STTYP	ADJ	EXP-who	UNEXsource	EXPOS-time	UNEXTI	BIOMEA	RR	SIG
STAZI	2	b	0	5	all	Eu:Ita	1993	2002	CS	2	Mother	NotMothr	in life	non	-	*	n
VOLKME	1	b	4	5	all	Auslia	1993	1995	CS	0	AnyPar	NoParent	unspec	non	-	*	n