

Appendix Table C1 -

IESAST - Meta-analysis of Maternal In Utero Exposure (irrespective of in life exposure)
Lifetime Asthma (or Current if Lifetime not available)

This analysis is restricted to results for:

- 1) Exposure during pregnancy
- 2) Exposure from mother smoking
- 3) Results not by amount of exposure
- 4) Results complete enough for use in metaanalysis

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

- 5) ASTHMA : lifetime, current
- 6) UNEXSO : not specific parent, neither parent, none in household, none
- 7) UNEXHI : not exposed defined as smoked none, or smoked none+low
- 8) RACE : all in study or nearest available, otherwise by race
- 9) ONSET : yes, no (prevalence)
- 10) For overlapping studies: principal rather than subsidiary studies, and for prospective studies, most recent follow-up

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 C1 - 1

IESAST - Meta-analysis of Maternal In Utero Exposure (irrespective of in life exposure)
Lifetime Asthma (or Current if Lifetime not available)
 Adjusted

REF	NRR	SEX	AST	AGEL	AGEH	RACE	LOC	BEGYR	PUBYR	STTYP	ADJ	EXP-who	UNEXsource	UNEXTI
AGABI1	64	b	c	6	7	all	Eu:Ita	1994	1999	CC	12	Mother	NotMothr	non
AGABI2	64	b	c	13	14	all	Eu:Ita	1994	1999	CC	13	Mother	NotMothr	non
ANNESI	2	b	l	1	18	all	Eu:UK	1991	2001	CS	0	Mother	NotMothr	non
BERGMA	2	b	c	7	7	all	Eu:Ger	1990	2000	Pr	0	Mother	NotMothr	non
CSONKA	3	b	c	6	13	all	Eu:Sca	*	2000	CS	0	Mother	NotMothr	non
CUNNI1	20	b	c	8	11	all	NAmer	1988	1996	CS	10	Mother	NoHhMemb	othr
CUNNI2	1	b	l	9	11	all	NAmer	1993	1995	CS	0	Mother	NotMothr	non
DELL	3	b	l	1	1	all	NAmer	1994	2001	CS	4	Mother	NotMothr	non
EHRLI1	1	b	c	7	9	all	Africa	1993	1996	CC	8	Mother	NotMothr	non
EHRLI2	5	b	l	3	14	all	NAmer	1988	1992	CC	0	Mother	NotMothr	non
GILLIL	5	m	l	7	19	all	NAmer	1993	2001	CS	4	Mother	NotMothr	non
GILLIL	13	f	l	7	19	all	NAmer	1993	2001	CS	4	Mother	NotMothr	non
HABY	3	b	c	3	5	all	Auslia	1995	2001	CS	9	Mother	NotMothr	non
HU1	3	b	l	10	11	all	NAmer	1994	1997	CS	7	Mother	NotMothr	non
JONES	1	b	c	4	16	all	Eu:UK	1996	1999	CC	0	Mother	NotMothr	non
KUEHR	7	b	l	6	8	all	Eu:Ger	1990	1992	CS	1	Mother	NotMothr	non
NHANE3	78	b	l	0	5	all	NAmer	1988	2001	CS	11	Mother	NotMothr	non
NILSSO	3	b	l	13	14	all	Eu:Sca	*	1999	CS	7	Mother	NotMothr	non
NYSTAD	2	b	l	6	16	all	Eu:Sca	1994	1999	CS	10	Mother	NotMothr	non
OLIVET	5	b	c	4	9	all	NAmer	1993	1996	CC	5	Mother	NotMothr	non
PONSON	2	b	l	0	7	all	Auslia	1988	2000	Pr	6	Mother	NotMothr	non
SOYSET	13	b	l	7	13	all	Eu:Sca	1989	1995	CS	5	Mother	NotMothr	non
STAZI	1	b	l	0	5	all	Eu:Ita	1993	2002	CS	2	Mother	NotMothr	non
TARIQ	13	b	c	4	4	all	Eu:UK	1989	2000	Pr	1	Mother	NotMothr	non
WEITZ1	9	b	l	0	0	all	NAmer	1981	1990	CS	6	Mother	NotMothr	non
XU	1	b	l	0	7	all	Eu:Sca	1985	1999	Pr	0	Mother	NotMothr	non
ZHENG	25	b	c	6	10	all	As:FE	1999	2002	CC	0	Mother	NotMothr	non

Appendix Table C1 - 2

IESAST - Meta-analysis of Maternal In Utero Exposure (irrespective of in life exposure)
 Lifetime Asthma (or Current if Lifetime not available)
 Adjusted

REF	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
				Case	Cont	Case	Cont		
AGABI1	64	b	12	204	-	708	-	1.50	(1.24- 1.83)
AGABI2	64	b	13	196	-	1062	-	0.98	(0.81- 1.18)
ANNESI	2	b	0	163	1329	256	2405	1.15	(0.94- 1.42)
BERGMA	2	b	0	-	-	-	-	2.46	(1.28- 4.73)
CSONKA	3	b	0	-	-	-	-	1.70	(1.20- 2.40)
CUNNI1	20	b	10	-	-	-	-	1.20	(0.81- 1.79)
CUNNI2	1	b	0	37	285	54	500	1.20	(0.77- 1.87)
DELL	3	b	4	-	-	-	-	1.39	(0.83- 2.34)
EHRLI1	1	b	8	-	-	-	-	2.20	(1.28- 3.78)
EHRLI2	5	b	0	-	-	-	-	1.90	(1.10- 3.50)
GILLIL	5	m	4	-	-	-	-	1.26	(0.96- 1.64)
GILLIL	13	f	4	-	-	-	-	1.56	(1.16- 2.10)
Subtotal GILLIL								1.39	(1.14- 1.69)
HABY	3	b	9	43	-	147	-	0.77	(0.40- 1.48)
HU1	3	b	7	36	-	77	-	1.90	(1.10- 3.50)
JONES	1	b	0	22	26	78	74	0.80	(0.42- 1.54)
KUEHR	7	b	1	18	-	144	-	0.61	(0.37- 1.03)
NHANE3	78	b	11	150	-	330	-	1.73	(1.16- 2.57)
NILSSO	3	b	7	-	-	-	-	1.30	(0.80- 1.90)
NYSTAD	2	b	10	43	-	120	-	1.10	(0.70- 1.70)
OLIVET	5	b	5	66	-	65	-	2.82	(1.53- 5.20)
*PONSON	2	b	6	140	-	138	-	1.08	(0.90- 1.30)
SOYSET	13	b	5	22	-	29	-	0.60	(0.30- 1.30)
STAZI	1	b	2	-	-	-	-	3.30	(1.00- 10.60)
TARIQ	13	b	1	44	-	137	-	1.39	(0.88- 2.22)
WEITZ1	9	b	6	-	-	51	-	1.06	(0.77- 1.46)
*XU	1	b	0	66	1658	217	6403	1.17	(0.90- 1.54)
ZHENG	25	b	0	5	5	398	801	2.01	(0.58- 6.99)
Partial Totals				1255	3303	4011	10183		

*prospective study

REF	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
AGABI1	64	b	12	0.41	101.44	3.47	0.0000
AGABI2	64	b	13	-0.02	108.55	6.29	0.8333
ANNESI	2	b	0	0.14	89.21	0.55	0.1808
BERGMA	2	b	0	0.90	8.99	4.15	0.0069
CSONKA	3	b	0	0.53	31.98	3.08	0.0027
CUNNI1	20	b	10	0.18	24.44	0.04	0.3674
CUNNI2	1	b	0	0.18	19.59	0.03	0.4153
DELL	3	b	4	0.33	14.30	0.17	0.2130
EHRLI1	1	b	8	0.79	13.10	4.23	0.0043
EHRLI2	5	b	0	0.64	11.47	2.04	0.0297
GILLIL	5	m	4	0.23	53.58	0.01	0.0907
GILLIL	13	f	4	0.44	43.62	2.19	0.0033
Subtotal GILLIL				0.23	97.20	2.20	
HABY	3	b	9	-0.26	8.98	2.08	0.4336
HU1	3	b	7	0.64	11.47	2.04	0.0297
JONES	1	b	0	-0.22	9.07	1.76	0.5082
KUEHR	7	b	1	-0.49	14.66	7.49	0.0584
NHANE3	78	b	11	0.55	24.28	2.61	0.0069
NILSSO	3	b	7	0.26	20.54	0.04	0.2345
NYSTAD	2	b	10	0.10	19.52	0.31	0.6737
OLIVET	5	b	5	1.04	10.27	6.84	0.0009
*PONSON	2	b	6	0.08	113.63	2.34	0.4120
SOYSET	13	b	5	-0.51	7.15	3.82	0.1721
STAZI	1	b	2	1.19	2.76	2.61	0.0474
TARIQ	13	b	1	0.33	17.95	0.21	0.1630
WEITZ1	9	b	6	0.06	37.54	0.99	0.7211
*XU	1	b	0	0.16	52.63	0.19	0.2431
ZHENG	25	b	0	0.70	2.48	0.57	0.2710

Appendix Table C1 - 2

IESAST - Meta-analysis of Maternal In Utero Exposure (irrespective of in life exposure)
Lifetime Asthma (or Current if Lifetime not available)
 Adjusted

RR data

	N	27
	NS	26
	Wt	873.19
Het	Chi	60.12
Het	df	26
Het	P	***
Fixed	RR	1.25
	RRl	1.17
	RRu	1.33
	P	+++
Random	RR	1.30
	RRl	1.16
	RRu	1.45
	P	+++
Asymm	P	N.S.

Appendix Table C1 - 3

IESAST - Meta-analysis of Maternal In Utero Exposure (irrespective of in life exposure)
Lifetime Asthma (or Current if Lifetime not available)
 Adjusted

RR data

	N	27						
	NS	26						
	Wt	873.19						
	Het Chi	60.12						
	Het df	26						
	Het P	***						
Fixed	RR	1.25						
	RRl	1.17						
	RRu	1.33						
	P	+++						
Random	RR	1.30						
	RRl	1.16						
	RRu	1.45						
	P	+++						
Asymm	P	N.S.						
			<u>Sex</u>					
		both	male	female			Total	
	N	25	1	1			27	
	NS	25	1	1			26	
	Wt	775.98	53.58	43.62			873.19	
	Het Chi	57.79	0.00	0.00			60.12	
	Het df	24	0	0			26	
	Het P	***	N.S.	N.S.			***	
Fixed	RR	1.23	1.26	1.56			1.25	
	RRl	1.15	0.96	1.16			1.17	
	RRu	1.32	1.65	2.10			1.33	
	P	+++	(+)	++			+++	
Random	RR	1.29	1.26	1.56			1.30	
	RRl	1.14	0.96	1.16			1.16	
	RRu	1.46	1.65	2.10			1.45	
	P	+++	(+)	++			+++	
Between	Chi						2.34	
Between	df						2	
Between	P						N.S.	
					<u>Continent</u>			
		NAmer	SCAmer	Europe	Asia	Auslia	Africa	Total
	N	10		13	1	2	1	27
	NS	9		13	1	2	1	26
	Wt	250.56		484.44	2.48	122.61	13.10	873.19
	Het Chi	13.30		33.29	0.00	0.95	0.00	60.12
	Het df	9		12	0	1	0	26
	Het P	N.S.		***	N.S.	N.S.	N.S.	***
Fixed	RR	1.41		1.20	2.01	1.05	2.20	1.25
	RRl	1.24		1.10	0.58	0.88	1.28	1.17
	RRu	1.59		1.31	6.99	1.26	3.78	1.33
	P	+++		+++	N.S.	N.S.	++	+++
Random	RR	1.44		1.20	2.01	1.05	2.20	1.30
	RRl	1.23		1.01	0.58	0.88	1.28	1.16
	RRu	1.68		1.42	6.99	1.26	3.78	1.45
	P	+++		+	N.S.	N.S.	++	+++
Between	Chi							12.58
Between	df							4
Between	P							*

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IESAST - Meta-analysis of Maternal In Utero Exposure (irrespective of in life exposure)
 Lifetime Asthma (or Current if Lifetime not available)

		Adjusted					
		Country in Europe					
		UK	Italy	Germany	Scand	othWest East/Bal	Total
RR data	N	3	3	2	5		13
	NS	3	3	2	5		13
	Wt	116.23	212.75	23.65	131.81		484.44
	Het Chi	1.82	12.27	10.84	7.43		33.29
	Het df	2	2	1	4		12
	Het P	N.S.	**	***	N.S.		***
Fixed	RR	1.15	1.22	1.04	1.25		1.20
	RRl	0.96	1.07	0.69	1.05		1.10
	RRu	1.38	1.39	1.55	1.48		1.31
	P	N.S.	++	N.S.	+		+++
Random	RR	1.15	1.34	1.21	1.22		1.20
	RRl	0.96	0.88	0.31	0.95		1.01
	RRu	1.38	2.05	4.73	1.56		1.42
	P	N.S.	N.S.	N.S.	N.S.		+
Between	Chi						0.94
Between	df						3
Between	P						N.S.
		<u>Start year of study</u>					
		<1970	1970-79	1980-89	1990+	unknown	Total
	N			8	17	2	27
	NS			8	16	2	26
	Wt			289.08	531.58	52.52	873.19
	Het Chi			11.23	44.71	0.90	60.12
	Het df			7	16	1	26
	Het P			N.S.	***	N.S.	***
Fixed	RR			1.18	1.26	1.53	1.25
	RRl			1.05	1.16	1.17	1.17
	RRu			1.32	1.37	2.01	1.33
	P			++	+++	++	+++
Random	RR			1.21	1.33	1.53	1.30
	RRl			1.03	1.12	1.17	1.16
	RRu			1.42	1.57	2.01	1.45
	P			+	+++	++	+++
Between	Chi						3.28
Between	df						2
Between	P						N.S.
		<u>Publication year</u>					
		<1990	1990-94	1995-99	2000+		Total
	N		3	12	12		27
	NS		3	12	11		26
	Wt		63.67	397.76	411.76		873.19
	Het Chi		8.35	29.02	20.10		60.12
	Het df		2	11	11		26
	Het P		*	**	*		***
Fixed	RR		1.04	1.24	1.29		1.25
	RRl		0.81	1.12	1.17		1.17
	RRu		1.33	1.37	1.42		1.33
	P		N.S.	+++	+++		+++
Random	RR		1.06	1.28	1.37		1.30
	RRl		0.61	1.07	1.18		1.16
	RRu		1.83	1.53	1.59		1.45
	P		N.S.	++	+++		+++
Between	Chi						2.66
Between	df						2
Between	P						N.S.

Appendix Table C1 - 3

IESAST - Meta-analysis of Maternal In Utero Exposure (irrespective of in life exposure)
Lifetime Asthma (or Current if Lifetime not available)
 Adjusted

	<u>Study type</u>		CS	Total			
	CC	Pr					
RR data							
	N	7	4	16	27		
	NS	7	4	15	26		
	Wt	256.38	193.20	423.60	873.19		
Het	Chi	24.76	6.22	28.04	60.12		
Het	df	6	3	15	26		
Het	P	***	N.S.	*	***		
Fixed	RR	1.30	1.18	1.25	1.25		
	RRl	1.15	1.02	1.14	1.17		
	RRu	1.47	1.35	1.37	1.33		
	P	+++	+	+++	+++		
Random	RR	1.52	1.27	1.24	1.30		
	RRl	1.11	1.00	1.08	1.16		
	RRu	2.09	1.61	1.43	1.45		
	P	++	(+)	++	+++		
Between	Chi				1.10		
Between	df				2		
Between	P				N.S.		
		<u>Highest age in RR</u>					
		0-9	10-14	15+	unknown	Total	
	N	13	9	5		27	
	NS	13	9	4		26	
	Wt	420.53	237.66	215.00		873.19	
Het	Chi	36.88	17.38	4.77		60.12	
Het	df	12	8	4		26	
Het	P	***	*	N.S.		***	
Fixed	RR	1.29	1.19	1.23		1.25	
	RRl	1.17	1.05	1.08		1.17	
	RRu	1.42	1.35	1.40		1.33	
	P	+++	++	++		+++	
Random	RR	1.37	1.29	1.23		1.30	
	RRl	1.13	1.04	1.06		1.16	
	RRu	1.66	1.61	1.43		1.45	
	P	++	+	++		+++	
Between	Chi					1.09	
Between	df					2	
Between	P					N.S.	
		<u>Population setting</u>					
		general	school	medical	allergy	other	Total
	N	9	13	4		1	27
	NS	9	12	4		1	26
	Wt	268.18	451.57	39.80		113.63	873.19
Het	Chi	9.33	33.45	8.88		0.00	60.12
Het	df	8	12	3		0	26
Het	P	N.S.	***	*		N.S.	***
Fixed	RR	1.22	1.26	1.83		1.08	1.25
	RRl	1.08	1.15	1.34		0.90	1.17
	RRu	1.38	1.39	2.50		1.30	1.33
	P	++	+++	+++		N.S.	+++
Random	RR	1.23	1.27	1.81		1.08	1.30
	RRl	1.08	1.07	1.06		0.90	1.16
	RRu	1.41	1.51	3.10		1.30	1.45
	P	++	++	+		N.S.	+++
Between	Chi						8.46
Between	df						3
Between	P						*

Appendix Table C1 - 3

IESAST - Meta-analysis of Maternal In Utero Exposure (irrespective of in life exposure)
Lifetime Asthma (or Current if Lifetime not available)
 Adjusted

Respondent for smoking
 child parent med rec mix/oth Total

RR data

N		21	1	5	27
NS		21	1	4	26
Wt		720.90	10.27	142.02	873.19
Het Chi		43.64	0.00	6.02	60.12
Het df		20	0	4	26
Het P		**	N.S.	N.S.	***
Fixed RR		1.20	2.82	1.43	1.25
RR1		1.12	1.53	1.21	1.17
RRu		1.29	5.20	1.68	1.33
P		+++	+++	+++	+++
Random RR		1.23	2.82	1.43	1.30
RR1		1.09	1.53	1.15	1.16
RRu		1.40	5.20	1.77	1.45
P		+++	+++	++	+++
Between Chi					10.47
Between df					2
Between P					**

Child smokers
 exc/none included ignored Total

N	6	2	19	27
NS	5	2	19	26
Wt	253.98	120.02	499.19	873.19
Het Chi	3.66	4.55	40.67	60.12
Het df	5	1	18	26
Het P	N.S.	*	**	***
Fixed RR	1.47	1.04	1.20	1.25
RR1	1.30	0.87	1.10	1.17
RRu	1.66	1.25	1.31	1.33
P	+++	N.S.	+++	+++
Random RR	1.47	1.29	1.25	1.30
RR1	1.30	0.68	1.07	1.16
RRu	1.66	2.44	1.45	1.45
P	+++	N.S.	++	+++
Between Chi				11.25
Between df				2
Between P				**

Physician diagnosis (lifetime/current)
 yes no/mixed Total

N	13	14	27
NS	12	14	26
Wt	276.69	596.50	873.19
Het Chi	29.20	26.66	60.12
Het df	12	13	26
Het P	**	*	***
Fixed RR	1.38	1.19	1.25
RR1	1.23	1.10	1.17
RRu	1.55	1.29	1.33
P	+++	+++	+++
Random RR	1.44	1.21	1.30
RR1	1.18	1.06	1.16
RRu	1.76	1.38	1.45
P	+++	++	+++
Between Chi			4.26
Between df			1
Between P			*

Appendix Table C1 - 3

IESAST - Meta-analysis of Maternal In Utero Exposure (irrespective of in life exposure)
Lifetime Asthma (or Current if Lifetime not available)

Adjusted
 Respondent for diagnosis (lifetime/current)
 medrec parent child mixed Total

RR data

N	2	20	2	3	27
NS	2	19	2	3	26
Wt	19.34	748.75	32.01	73.09	873.19
Het Chi	7.60	42.65	1.06	5.54	60.12
Het df	1	19	1	2	26
Het P	**	**	N.S.	(*)	***
Fixed RR	1.56	1.22	1.49	1.39	1.25
RRl	1.00	1.13	1.05	1.10	1.17
RRu	2.44	1.31	2.11	1.74	1.33
P	+	+++	+	++	+++
Random RR	1.51	1.24	1.49	1.64	1.30
RRl	0.44	1.10	1.04	1.02	1.16
RRu	5.18	1.40	2.14	2.62	1.45
P	N.S.	+++	+	+	+++
Between Chi					3.27
Between df					3
Between P					N.S.

Questionnaire for symptoms
 ISAAC ATS other Total

N	10		17	27
NS	10		16	26
Wt	511.92		361.27	873.19
Het Chi	22.75		37.00	60.12
Het df	9		16	26
Het P	**		**	***
Fixed RR	1.23		1.28	1.25
RRl	1.12		1.15	1.17
RRu	1.34		1.42	1.33
P	+++		+++	+++
Random RR	1.30		1.29	1.30
RRl	1.11		1.09	1.16
RRu	1.53		1.52	1.45
P	+++		++	+++
Between Chi				0.38
Between df				1
Between P				N.S.

Analysis type
 prevlnce onset Total

N	25	2	27
NS	24	2	26
Wt	706.92	166.26	873.19
Het Chi	57.06	0.25	60.12
Het df	24	1	26
Het P	***	N.S.	***
Fixed RR	1.28	1.11	1.25
RRl	1.19	0.95	1.17
RRu	1.38	1.29	1.33
P	+++	N.S.	+++
Random RR	1.33	1.11	1.30
RRl	1.17	0.95	1.16
RRu	1.51	1.29	1.45
P	+++	N.S.	+++
Between Chi			2.81
Between df			1
Between P			(*)

Appendix Table C1 - 3

IESAST - Meta-analysis of Maternal In Utero Exposure (irrespective of in life exposure)
Lifetime Asthma (or Current if Lifetime not available)

Adjusted
 Number of cases (lifetime/current asthma)
 1-50 51-100 101-200 201+ unknown Total

RR data

	N	1	2	6	6	12	27
	NS	1	2	6	5	12	26
	Wt	2.76	26.73	91.96	376.96	374.78	873.19
Het	Chi	0.00	2.53	12.07	7.71	33.30	60.12
Het	df	0	1	5	5	11	26
Het	P	N.S.	N.S.	*	N.S.	***	***
Fixed	RR	3.30	1.00	1.24	1.22	1.29	1.25
	RRl	1.01	0.68	1.01	1.10	1.16	1.17
	RRu	10.74	1.46	1.52	1.35	1.43	1.33
	P	+	N.S.	+	+++	+++	+++
Random	RR	3.30	0.91	1.26	1.25	1.38	1.30
	RRl	1.01	0.46	0.91	1.09	1.13	1.16
	RRu	10.74	1.77	1.73	1.42	1.70	1.45
	P	+	N.S.	N.S.	+++	++	+++
Between	Chi						4.52
Between	df						4
Between	P						N.S.

Study adjusts for or is matched on sex

Yes No Total

	N	20	7	27
	NS	19	7	26
	Wt	640.54	232.64	873.19
Het	Chi	42.53	17.59	60.12
Het	df	19	6	26
Het	P	**	**	***
Fixed	RR	1.25	1.25	1.25
	RRl	1.15	1.10	1.17
	RRu	1.35	1.42	1.33
	P	+++	+++	+++
Random	RR	1.30	1.30	1.30
	RRl	1.14	1.02	1.16
	RRu	1.48	1.65	1.45
	P	+++	+	+++
Between	Chi			0.00
Between	df			1
Between	P			N.S.

Study adjusts for or is matched on age

	N	11	16	27
	NS	10	16	26
	Wt	382.71	490.48	873.19
Het	Chi	30.12	29.38	60.12
Het	df	10	15	26
Het	P	***	*	***
Fixed	RR	1.28	1.22	1.25
	RRl	1.16	1.11	1.17
	RRu	1.42	1.33	1.33
	P	+++	+++	+++
Random	RR	1.34	1.27	1.30
	RRl	1.09	1.11	1.16
	RRu	1.64	1.46	1.45
	P	++	+++	+++
Between	Chi			0.62
Between	df			1
Between	P			N.S.

Appendix Table C1 - 3

IESAST - Meta-analysis of Maternal In Utero Exposure (irrespective of in life exposure)
Lifetime Asthma (or Current if Lifetime not available)

Adjusted
Study adjusts for or is matched on race
 Yes No Total

RR data

N	9	18	27
NS	8	18	26
Wt	219.14	654.04	873.19
Het Chi	13.06	41.39	60.12
Het df	8	17	26
Het P	N.S.	***	***
Fixed RR	1.43	1.19	1.25
RRl	1.26	1.10	1.17
RRu	1.64	1.28	1.33
P	+++	+++	+++
Random RR	1.49	1.21	1.30
RRl	1.24	1.05	1.16
RRu	1.79	1.39	1.45
P	+++	++	+++
Between Chi			5.67
Between df			1
Between P			*

Study adjusts for or is matched on location

N	10	17	27
NS	9	17	26
Wt	404.69	468.50	873.19
Het Chi	26.62	31.47	60.12
Het df	9	16	26
Het P	**	*	***
Fixed RR	1.31	1.19	1.25
RRl	1.19	1.09	1.17
RRu	1.45	1.30	1.33
P	+++	+++	+++
Random RR	1.40	1.23	1.30
RRl	1.16	1.07	1.16
RRu	1.68	1.43	1.45
P	+++	++	+++
Between Chi			2.04
Between df			1
Between P			N.S.

Study adjusts for or is matched on SES

N	11	16	27
NS	11	15	26
Wt	482.11	391.07	873.19
Het Chi	22.37	37.22	60.12
Het df	10	15	26
Het P	*	**	***
Fixed RR	1.22	1.28	1.25
RRl	1.12	1.16	1.17
RRu	1.33	1.41	1.33
P	+++	+++	+++
Random RR	1.29	1.30	1.30
RRl	1.11	1.09	1.16
RRu	1.50	1.55	1.45
P	++	++	+++
Between Chi			0.53
Between df			1
Between P			N.S.

Appendix Table C1 - 3

IESAST - Meta-analysis of Maternal In Utero Exposure (irrespective of in life exposure)
Lifetime Asthma (or Current if Lifetime not available)

Adjusted
Study adjusts for family medical history
 Yes No Total

RR data

N	17	10	27
NS	16	10	26
Wt	610.49	262.69	873.19
Het Chi	41.76	16.69	60.12
Het df	16	9	26
Het P	***	(*)	***
Fixed RR	1.28	1.17	1.25
RRl	1.19	1.03	1.17
RRu	1.39	1.32	1.33
P	+++	+	+++
Random RR	1.36	1.19	1.30
RRl	1.18	0.99	1.16
RRu	1.57	1.43	1.45
P	+++	(+)	+++
Between Chi			1.68
Between df			1
Between P			N.S.

Study adjusts for family composition

N	6	21	27
NS	6	20	26
Wt	217.05	656.13	873.19
Het Chi	11.68	47.28	60.12
Het df	5	20	26
Het P	*	***	***
Fixed RR	1.17	1.27	1.25
RRl	1.02	1.18	1.17
RRu	1.34	1.37	1.33
P	+	+++	+++
Random RR	1.23	1.32	1.30
RRl	0.97	1.16	1.16
RRu	1.56	1.51	1.45
P	(+)	+++	+++
Between Chi			1.16
Between df			1
Between P			N.S.

Study adjusts for cooking, heating, air conditioning

N	4	23	27
NS	4	22	26
Wt	348.06	525.12	873.19
Het Chi	10.40	46.83	60.12
Het df	3	22	26
Het P	*	**	***
Fixed RR	1.16	1.31	1.25
RRl	1.05	1.20	1.17
RRu	1.29	1.42	1.33
P	++	+++	+++
Random RR	1.17	1.34	1.30
RRl	0.95	1.17	1.16
RRu	1.44	1.54	1.45
P	N.S.	+++	+++
Between Chi			2.89
Between df			1
Between P			(*)

Appendix Table C1 - 3

IESAST - Meta-analysis of Maternal In Utero Exposure (irrespective of in life exposure)
Lifetime Asthma (or Current if Lifetime not available)

Adjusted
Study adjusts for housing quality, crowding, damp, mould
 Yes No Total

RR data

N	7	20	27
NS	7	19	26
Wt	329.89	543.30	873.19
Het Chi	17.64	42.47	60.12
Het df	6	19	26
Het P	**	**	***
Fixed RR	1.25	1.24	1.25
RRl	1.13	1.14	1.17
RRu	1.40	1.35	1.33
P	+++	+++	+++
Random RR	1.32	1.29	1.30
RRl	1.07	1.12	1.16
RRu	1.62	1.49	1.45
P	++	+++	+++
Between Chi			0.02
Between df			1
Between P			N.S.

Study adjusts for pets, animal contact, farming

N	3	24	27
NS	3	23	26
Wt	62.76	810.42	873.19
Het Chi	1.01	57.13	60.12
Het df	2	23	26
Het P	N.S.	***	***
Fixed RR	1.48	1.23	1.25
RRl	1.16	1.15	1.17
RRu	1.90	1.32	1.33
P	++	+++	+++
Random RR	1.48	1.28	1.30
RRl	1.16	1.13	1.16
RRu	1.90	1.45	1.45
P	++	+++	+++
Between Chi			1.99
Between df			1
Between P			N.S.

Study adjusts for child's medical history

N	17	10	27
NS	16	10	26
Wt	424.78	448.40	873.19
Het Chi	43.32	16.07	60.12
Het df	16	9	26
Het P	***	(*)	***
Fixed RR	1.28	1.21	1.25
RRl	1.17	1.10	1.17
RRu	1.41	1.33	1.33
P	+++	+++	+++
Random RR	1.35	1.23	1.30
RRl	1.13	1.07	1.16
RRu	1.61	1.41	1.45
P	+++	++	+++
Between Chi			0.73
Between df			1
Between P			N.S.

Appendix Table C1 - 3

IESAST - Meta-analysis of Maternal In Utero Exposure (irrespective of in life exposure)
Lifetime Asthma (or Current if Lifetime not available)

Adjusted
Study adjusts for in utero exposure
 Yes No Total

RR data

N	12	15	27
NS	11	15	26
Wt	417.31	455.87	873.19
Het Chi	28.87	29.87	60.12
Het df	11	14	26
Het P	**	**	***
Fixed RR	1.30	1.20	1.25
RRl	1.18	1.09	1.17
RRu	1.43	1.32	1.33
P	+++	+++	+++
Random RR	1.35	1.26	1.30
RRl	1.13	1.08	1.16
RRu	1.61	1.46	1.45
P	++	++	+++
Between Chi			1.38
Between df			1
Between P			N.S.

Study adjusts for in life exposure

N	13	14	27
NS	12	14	26
Wt	467.07	406.11	873.19
Het Chi	28.71	28.44	60.12
Het df	12	13	26
Het P	**	**	***
Fixed RR	1.32	1.17	1.25
RRl	1.20	1.06	1.17
RRu	1.44	1.29	1.33
P	+++	++	+++
Random RR	1.35	1.24	1.30
RRl	1.16	1.05	1.16
RRu	1.58	1.47	1.45
P	+++	+	+++
Between Chi			2.98
Between df			1
Between P			(*)

Asthma definition (lifetime/current)
 lifetime current Total

N	16	11	27
NS	15	11	26
Wt	535.94	337.24	873.19
Het Chi	26.78	31.71	60.12
Het df	15	10	26
Het P	*	***	***
Fixed RR	1.20	1.32	1.25
RRl	1.11	1.18	1.17
RRu	1.31	1.46	1.33
P	+++	+++	+++
Random RR	1.23	1.43	1.30
RRl	1.08	1.14	1.16
RRu	1.39	1.79	1.45
P	++	++	+++
Between Chi			1.63
Between df			1
Between P			N.S.

Appendix Table C1 - 3

IESAST - Meta-analysis of Maternal In Utero Exposure (irrespective of in life exposure)
Lifetime Asthma (or Current if Lifetime not available)

		Adjusted						Total
		Number of adjustment variables						
		0	1	2	3-5	6-9	10+	
RR data	N	8	2	1	5	6	5	27
	NS	8	2	1	4	6	5	26
	Wt	225.42	32.60	2.76	128.92	205.26	278.23	873.19
Het	Chi	12.13	5.47	0.00	11.27	10.81	12.68	60.12
Het	df	7	1	0	4	5	4	26
Het	P	(*)	*	N.S.	*	(*)	*	***
Fixed	RR	1.29	0.96	3.30	1.40	1.17	1.23	1.25
	RRl	1.13	0.68	1.01	1.18	1.02	1.10	1.17
	RRu	1.47	1.35	10.74	1.67	1.34	1.39	1.33
	P	+++	N.S.	+	+++	+	+++	+++
Random	RR	1.35	0.93	3.30	1.40	1.25	1.26	1.30
	RRl	1.11	0.41	1.01	1.01	0.98	1.00	1.16
	RRu	1.65	2.08	10.74	1.94	1.59	1.60	1.45
	P	++	N.S.	+	+	(+)	+	+++
Between	Chi							7.76
Between	df							5
Between	P							N.S.

RR adjusted for sex

		Yes	No	Total
	N	13	14	27
	NS	13	13	26
	Wt	494.59	378.60	873.19
Het	Chi	25.55	31.70	60.12
Het	df	12	13	26
Het	P	*	**	***
Fixed	RR	1.19	1.33	1.25
	RRl	1.09	1.20	1.17
	RRu	1.29	1.47	1.33
	P	+++	+++	+++
Random	RR	1.21	1.40	1.30
	RRl	1.04	1.17	1.16
	RRu	1.40	1.66	1.45
	P	+	+++	+++
Between	Chi			2.87
Between	df			1
Between	P			(*)

RR adjusted for age

		7	20	27
	N	7	20	27
	NS	6	20	26
	Wt	336.61	536.57	873.19
Het	Chi	18.69	41.42	60.12
Het	df	6	19	26
Het	P	**	**	***
Fixed	RR	1.24	1.25	1.25
	RRl	1.11	1.15	1.17
	RRu	1.38	1.36	1.33
	P	+++	+++	+++
Random	RR	1.24	1.33	1.30
	RRl	1.00	1.15	1.16
	RRu	1.54	1.52	1.45
	P	(+)	+++	+++
Between	Chi			0.02
Between	df			1
Between	P			N.S.

Appendix Table C1 - 3

IESAST - Meta-analysis of Maternal In Utero Exposure (irrespective of in life exposure)
Lifetime Asthma (or Current if Lifetime not available)
 Adjusted

RR adjusted for other ETS
 Yes No Total

RR data

N	12	15	27
NS	11	15	26
Wt	435.09	438.10	873.19
Het Chi	26.46	32.56	60.12
Het df	11	14	26
Het P	**	**	***
Fixed RR	1.29	1.20	1.25
RRl	1.18	1.10	1.17
RRu	1.42	1.32	1.33
P	+++	+++	+++
Random RR	1.32	1.28	1.30
RRl	1.12	1.09	1.16
RRu	1.56	1.51	1.45
P	+++	++	+++
Between Chi			1.11
Between df			1
Between P			N.S.

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

N	17	10	27
NS	16	10	26
Wt	627.06	246.12	873.19
Het Chi	44.72	14.62	60.12
Het df	16	9	26
Het P	***	N.S.	***
Fixed RR	1.22	1.31	1.25
RRl	1.13	1.15	1.17
RRu	1.32	1.48	1.33
P	+++	+++	+++
Random RR	1.25	1.38	1.30
RRl	1.08	1.15	1.16
RRu	1.45	1.66	1.45
P	++	+++	+++
Between Chi			0.79
Between df			1
Between P			N.S.

Derivation of RR/CI

	Original	Numbers	SumNumbs	Other	Total
N	13	5	1	8	27
NS	13	5	1	7	26
Wt	274.16	172.97	17.95	408.11	873.19
Het Chi	32.52	2.01	0.00	22.97	60.12
Het df	12	4	0	7	26
Het P	**	N.S.	N.S.	**	***
Fixed RR	1.33	1.15	1.39	1.23	1.25
RRl	1.18	0.99	0.88	1.11	1.17
RRu	1.50	1.34	2.21	1.35	1.33
P	+++	(+)	N.S.	+++	+++
Random RR	1.49	1.15	1.39	1.22	1.30
RRl	1.19	0.99	0.88	1.01	1.16
RRu	1.86	1.34	2.21	1.47	1.45
P	+++	(+)	N.S.	+	+++
Between Chi					2.62
Between df					3
Between P					N.S.

Appendix Table C1 - 4

IESAST - Meta-analysis of Maternal In Utero Exposure (irrespective of in life exposure)
 Lifetime Asthma (or Current if Lifetime not available)
 Unadjusted

REF	NRR	X	SEX	AST	AGEL	AGEH	RACE	LOC	BEGYR	PUBYR	STYP	ADJ	EXP-who	UNEXsource	UNEXTI
AGABI1	55	x	b	c	6	7	all	Eu:Ita	1994	1999	CC	0	Mother	NotMothr	non
AGABI2	55	x	b	c	13	14	all	Eu:Ita	1994	1999	CC	0	Mother	NotMothr	non
ANNESI	2		b	l	1	18	all	Eu:UK	1991	2001	CS	0	Mother	NotMothr	non
BERGMA	2		b	c	7	7	all	Eu:Ger	1990	2000	Pr	0	Mother	NotMothr	non
CSONKA	3		b	c	6	13	all	Eu:Sca	*	2000	CS	0	Mother	NotMothr	non
CUNNI1	18	x	b	c	8	11	all	NAmer	1988	1996	CS	9	Mother	NoHhMemb	othr
CUNNI2	1		b	l	9	11	all	NAmer	1993	1995	CS	0	Mother	NotMothr	non
DELL	1	x	b	l	1	1	all	NAmer	1994	2001	CS	0	Mother	NotMothr	non
EHRLI1	1		b	c	7	9	all	Africa	1993	1996	CC	8	Mother	NotMothr	non
EHRLI2	5		b	l	3	14	all	NAmer	1988	1992	CC	0	Mother	NotMothr	non
GILLIL	57	x	m	l	7	19	all	NAmer	1993	2001	CS	0	Mother	NotMothr	non
GILLIL	66	x	f	l	7	19	all	NAmer	1993	2001	CS	0	Mother	NotMothr	non
HABY	1	x	b	c	3	5	all	Auslia	1995	2001	CS	0	Mother	NotMothr	non
HU1	1	x	b	l	10	11	all	NAmer	1994	1997	CS	0	Mother	NotMothr	non
JONES	1		b	c	4	16	all	Eu:UK	1996	1999	CC	0	Mother	NotMothr	non
KUEHR	3	x	b	l	6	8	all	Eu:Ger	1990	1992	CS	0	Mother	NotMothr	non
NHANE3	71	x	b	l	0	5	all	NAmer	1988	2001	CS	0	Mother	NotMothr	non
NILSSO	2	x	b	l	13	14	all	Eu:Sca	*	1999	CS	0	Mother	NotMothr	non
NYSTAD	1	x	b	l	6	16	all	Eu:Sca	1994	1999	CS	0	Mother	NotMothr	non
OLIVET	1	x	b	c	4	9	all	NAmer	1993	1996	CC	0	Mother	NotMothr	non
PONSON	1	x	b	l	0	7	all	Auslia	1988	2000	Pr	0	Mother	NotMothr	non
SOYSET	1	x	b	l	7	13	all	Eu:Sca	1989	1995	CS	0	Mother	NotMothr	non
STAZI	1		b	l	0	5	all	Eu:Ita	1993	2002	CS	2	Mother	NotMothr	non
TARIQ	11	x	b	c	4	4	all	Eu:UK	1989	2000	Pr	0	Mother	NotMothr	non
WEITZ1	9		b	l	0	0	all	NAmer	1981	1990	CS	6	Mother	NotMothr	non
XU	1		b	l	0	7	all	Eu:Sca	1985	1999	Pr	0	Mother	NotMothr	non
ZHENG	25		b	c	6	10	all	As:FE	1999	2002	CC	0	Mother	NotMothr	non

Appendix Table C1 - 5

IESAST - Meta-analysis of Maternal In Utero Exposure (irrespective of in life exposure)
 Lifetime Asthma (or Current if Lifetime not available)
 Unadjusted

REF	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
				Case	Cont	Case	Cont		
AGABI1	55	b	0	204	2241	708	11981	1.54	(1.31- 1.81)
AGABI2	55	b	0	196	2029	1062	12673	1.15	(0.98- 1.35)
ANNESI	2	b	0	163	1329	256	2405	1.15	(0.94- 1.42)
BERGMA	2	b	0	-	-	-	-	2.46	(1.28- 4.73)
CSONKA	3	b	0	-	-	-	-	1.70	(1.20- 2.40)
CUNNI1	18	b	9	-	-	-	-	1.10	(0.75- 1.62)
CUNNI2	1	b	0	37	285	54	500	1.20	(0.77- 1.87)
DELL	1	b	0	-	-	-	-	1.96	(1.21- 3.17)
EHRLI1	1	b	8	-	-	-	-	2.20	(1.28- 3.78)
EHRLI2	5	b	0	-	-	-	-	1.90	(1.10- 3.50)
GILLIL	57	m	0	81	357	334	1607	1.09	(0.83- 1.43)
GILLIL	66	f	0	76	396	216	1809	1.61	(1.21- 2.13)
Subtotal GILLIL								1.31	(1.08- 1.59)
HABY	1	b	0	43	155	147	629	1.19	(0.81- 1.74)
HU1	1	b	0	36	84	77	316	1.76	(1.11- 2.79)
JONES	1	b	0	22	26	78	74	0.80	(0.42- 1.54)
KUEHR	3	b	0	18	192	144	1047	0.68	(0.41- 1.14)
NHANE3	71	b	0	150	1483	330	6225	1.91	(1.56- 2.33)
NILSSO	2	b	0	-	-	-	-	1.40	(1.00- 2.00)
NYSTAD	1	b	0	43	313	120	971	1.11	(0.77- 1.61)
OLIVET	1	b	0	66	35	65	96	2.79	(1.66- 4.67)
*PONSON	1	b	0	140	409	138	449	1.11	(0.92- 1.35)
SOYSET	1	b	0	22	213	29	354	1.26	(0.71- 2.25)
STAZI	1	b	2	-	-	-	-	3.30	(1.00- 10.60)
TARIQ	11	b	0	44	206	137	831	1.30	(0.89- 1.88)
WEITZ1	9	b	6	-	-	51	-	1.06	(0.77- 1.46)
*XU	1	b	0	66	1658	217	6403	1.17	(0.90- 1.54)
ZHENG	25	b	0	5	5	398	801	2.01	(0.58- 6.99)
Partial Totals				1412	11416	4561	49171		

*prospective study

REF	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
AGABI1	55	b	0	0.43	146.11	2.87	0.0000
AGABI2	55	b	0	0.14	151.16	3.39	0.0805
ANNESI	2	b	0	0.14	89.21	2.01	0.1808
BERGMA	2	b	0	0.90	8.99	3.33	0.0069
CSONKA	3	b	0	0.53	31.98	1.82	0.0027
CUNNI1	18	b	9	0.10	25.91	1.00	0.6276
CUNNI2	1	b	0	0.18	19.59	0.23	0.4153
DELL	1	b	0	0.67	16.57	2.41	0.0062
EHRLI1	1	b	8	0.79	13.10	3.23	0.0043
EHRLI2	5	b	0	0.64	11.47	1.40	0.0297
GILLIL	57	m	0	0.09	53.30	2.22	0.5220
GILLIL	66	f	0	0.47	47.93	1.60	0.0010
Subtotal GILLIL				-0.02	101.22	3.82	
HABY	1	b	0	0.17	26.25	0.38	0.3797
HU1	1	b	0	0.56	17.91	1.33	0.0169
JONES	1	b	0	-0.22	9.07	2.37	0.5082
KUEHR	3	b	0	-0.38	14.56	6.64	0.1436
NHANE3	71	b	0	0.65	94.95	11.91	0.0000
NILSSO	2	b	0	0.34	31.98	0.06	0.0571
NYSTAD	1	b	0	0.11	27.92	0.97	0.5760
OLIVET	1	b	0	1.02	14.38	7.72	0.0001
*PONSON	1	b	0	0.11	102.91	3.49	0.2746
SOYSET	1	b	0	0.23	11.43	0.04	0.4332
STAZI	1	b	2	1.19	2.76	2.24	0.0474
TARIQ	11	b	0	0.26	27.71	0.03	0.1728
WEITZ1	9	b	6	0.06	37.54	2.05	0.7211
*XU	1	b	0	0.16	52.63	0.90	0.2431
ZHENG	25	b	0	0.70	2.48	0.41	0.2710

Appendix Table C1 - 5

IESAST - Meta-analysis of Maternal In Utero Exposure (irrespective of in life exposure)
Lifetime Asthma (or Current if Lifetime not available)
 Unadjusted

RR data

	N	27
	NS	26
	Wt	1089.81
Het	Chi	66.07
Het	df	26
Het	P	***
Fixed	RR	1.34
	RR1	1.26
	RRu	1.42
	P	+++
Random	RR	1.37
	RR1	1.23
	RRu	1.52
	P	+++
Asymm	P	N.S.

Appendix Table C1 - 6

IESAST - Meta-analysis of Maternal In Utero Exposure (irrespective of in life exposure)
 Lifetime Asthma (or Current if Lifetime not available)
 Unadjusted

RR data

	N	27						
	NS	26						
	Wt	1089.81						
	Het Chi	66.07						
	Het df	26						
	Het P	***						
Fixed	RR	1.34						
	RR1	1.26						
	RRu	1.42						
	P	+++						
Random	RR	1.37						
	RR1	1.23						
	RRu	1.52						
	P	+++						
Asymm	P	N.S.						
			<u>Sex</u>					
		both	male	female			Total	
	N	25	1	1			27	
	NS	25	1	1			26	
	Wt	988.58	53.30	47.93			1089.81	
	Het Chi	62.24	0.00	0.00			66.07	
	Het df	24	0	0			26	
	Het P	***	N.S.	N.S.			***	
Fixed	RR	1.34	1.09	1.61			1.34	
	RR1	1.26	0.83	1.21			1.26	
	RRu	1.43	1.43	2.13			1.42	
	P	+++	N.S.	++			+++	
Random	RR	1.37	1.09	1.61			1.37	
	RR1	1.23	0.83	1.21			1.23	
	RRu	1.54	1.43	2.13			1.52	
	P	+++	N.S.	++			+++	
Between	Chi						3.83	
Between	df						2	
Between	P						N.S.	
					<u>Continent</u>			
		NAmer	SCAmer	Europe	Asia	Auslia	Africa	Total
	N	10		13	1	2	1	27
	NS	9		13	1	2	1	26
	Wt	339.53		605.53	2.48	129.16	13.10	1089.81
	Het Chi	26.85		25.51	0.00	0.09	0.00	66.07
	Het df	9		12	0	1	0	26
	Het P	**		*	N.S.	N.S.	N.S.	***
Fixed	RR	1.51		1.28	2.01	1.13	2.20	1.34
	RR1	1.36		1.18	0.58	0.95	1.28	1.26
	RRu	1.68		1.39	6.99	1.34	3.78	1.42
	P	+++		+++	N.S.	N.S.	++	+++
Random	RR	1.52		1.27	2.01	1.13	2.20	1.37
	RR1	1.25		1.11	0.58	0.95	1.28	1.23
	RRu	1.85		1.46	6.99	1.34	3.78	1.52
	P	+++		+++	N.S.	N.S.	++	+++
Between	Chi							13.62
Between	df							4
Between	P							**

Appendix Table C1 - 6

IESAST - Meta-analysis of Maternal In Utero Exposure (irrespective of in life exposure)
Lifetime Asthma (or Current if Lifetime not available)
 Unadjusted

Start year of study
 <1970 1970-79 1980-89 1990+ unknown Total

RR data

	N		8	17	2	27
	NS		8	16	2	26
	Wt		364.55	661.29	63.96	1089.81
	Het Chi		20.79	43.30	0.60	66.07
	Het df		7	16	1	26
	Het P		**	***	N.S.	***
Fixed	RR		1.33	1.33	1.54	1.34
	RRl		1.20	1.23	1.21	1.26
	RRu		1.47	1.43	1.97	1.42
	P		+++	+++	+++	+++
Random	RR		1.30	1.39	1.54	1.37
	RRl		1.07	1.20	1.21	1.23
	RRu		1.58	1.61	1.97	1.52
	P		++	+++	+++	+++
Between	Chi					1.36
Between	df					2
Between	P					N.S.

Study type
 CC Pr CS Total

	N	7	4	16	27
	NS	7	4	15	26
	Wt	347.78	192.25	549.78	1089.81
	Het Chi	20.73	5.39	36.85	66.07
	Het df	6	3	15	26
	Het P	**	N.S.	**	***
Fixed	RR	1.40	1.20	1.35	1.34
	RRl	1.26	1.04	1.25	1.26
	RRu	1.55	1.38	1.47	1.42
	P	+++	+	+++	+++
Random	RR	1.57	1.26	1.33	1.37
	RRl	1.21	1.01	1.16	1.23
	RRu	2.05	1.55	1.53	1.52
	P	+++	+	+++	+++
Between	Chi				3.09
Between	df				2
Between	P				N.S.

Appendix Table C1 - 7

IESAST - Meta-analysis of Maternal In Utero Exposure (irrespective of in life exposure)
 Lifetime Asthma (or Current if Lifetime not available)
 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	AKCAKA	ALBA	ALDAWO	ALFRA1	ALFRA2	ANDRAE	ARSHAD	AZIZI	BARRET	BECKET	BENER	BRABIN	BURCHF	BURR	BUTZ
	CALL	CHEN1	CHEN2	CHHABR	CHINN	CLARK	DAIGLE	DEKKER	DEKOK	DIJKST	DODGE	DOLD	DOTTER	ECE	FAGBUL	FARBE1
	FARBE2	FARBE3	FAROOQ	FERGUS	FIELDE	FLYNN1	FLYNN2	FORAST	FORSB1	FORSB2	FORSB3	FUJI	GOLD	GOREN1	GOREN2	GOREN3
	GOREN4	GOREN5	GOREN6	GORTM1	GORTM2	GUPTA	GURKAN	HAJNAL	HJERN1	HJERN2	HOST	HU2	HUGHES	INFANT	JAAKKO	JENKIN
	KALYO1	KALYO2	KARUNA	KAY	KEARNE	KENDIR	KERSHA	KIVITY	KNIGHT	KUHR	LAM1	LAM2	LAU	LEE1	LEE2	LEEDER
	LEEN	LEROUX	LILLJE	LINDFO	LIS	LISTER	MAIER	MARTIN	MCCON1	MCCON2	MCKEEV	MELIA	MELSOM	MOHAME	MONTEF	MOUSSA
	MOYES1	MOYES2	MUMCUO	MURRAY	NITTA	OCONNE	ODDY	OHARA	PALMIE	PETERS	PIC	POKHAR	RASANE	RATAGE	RENNIE	RIBEIR
	RONCH1	RONCH2	RONCH3	RONMAR	ROSASV	RUDNIK	SANZOR	SARRAZ	SCHENK	SCHMIT	SELCUK	SENNHA	SHAMSS	SHERMA	SHOHAT	SIGURS
	SOMERV	SOTOQU	SPIEKE	SQUILL	STANHO	STERN1	STODDA	STRACH	TIMONE	TOMINA	TSIMOY	ULRIK	VARELA	VAVILI	VENNER	VERHOE
	VOLKME	VONMAF	WANG	WILLE1	WILLE2	WITHER	WOLFO1	WOLFO2	WOLFO3	YANG	ZEIGER	ZEJDA				
4	BALL	DEBENE	KAPLAN	KELLY	LOPEZC	STERN2	TAYLOR	WEITZ2								

Appendix Table C1 - 8

IESAST - Meta-analysis of Maternal In Utero Exposure (irrespective of in life exposure)
 Lifetime Asthma (or Current if Lifetime not available)
 Potentially overlapping studies

REF	REFGP	PRINC	OVERLAP		Adjusted - insufficient data for metaanalysis													RR	SIG
REF	NRR	SEX	AST	AGEL	AGEH	RACE	LOC	BEGYR	PUBYR	STTYP	ADJ	EXP-who	UNEXsource	UNEXTI					
GILLIL	GILLIL		1				MCCON1	GILLIL											
KUEHR	KUEHR		1				KUEHR	SPIEKE											
BALL	2	b	c	6	13	all	NAmer	1980	2000	Pr	8	Mother	NotMothr	non		*	n		
DEBENE	3	b	1	6	12	all	Eu:Ita	*	1994	CS	0	Mother	NotMothr	non	1.86	y			
KAPLAN	1	b	1	0	7	all	Eu:UK	1958	1985	Pr	0	Mother	NotMothr	non		*	n		
KELLY	1	b	1	5	11	all	Eu:UK	1993	1995	CS	0	Mother	NotMothr	non		*	n		
LOPEZC	1	b	c	6	10	all	SCAmer	*	2001	CC	0	Mother	NotMothr	non	6.32	n			
STAZI	6	b	1	0	5	all	Eu:Ita	1993	2002	CS	6	Mother	NotMothr	non		*	y		
STERN2	5	b	1	7	12	all	NAmer	*	1989	CS	0	Mother	NotMothr	non	1.38	y			
TAYLOR	1	b	1	0	5	all	Eu:UK	1970	1983	Pr	2	Mother	NotMothr	non		*	n		
WEITZ2	1	b	c	6	17	all	NAmer	1981	1990	CS	0	Mother	LowMothr	non		*	n		

Appendix Table C2 -

IESAST - Meta-analysis of Maternal In Utero Exposure (irrespective of in life exposure)
Current Asthma (or Lifetime if Current not available)

This analysis is restricted to results for:

- 1) Exposure during pregnancy
- 2) Exposure from mother smoking
- 3) Results not by amount of exposure
- 4) Results complete enough for use in metaanalysis

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

- 5) ASTHMA : current, lifetime
- 6) UNEXSO : not specific parent, neither parent, none in household, none
- 7) UNEXHI : not exposed defined as smoked none, or smoked none+low
- 8) RACE : all in study or nearest available, otherwise by race
- 9) ONSET : yes, no (prevalence)
- 10) For overlapping studies: principal rather than subsidiary studies, and for prospective studies, most recent follow-up

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 those which actually differ from the adjusted results in Appendix Table C1 - 1 are marked 'x' in Section -1)
(Sections 4-6 not presented)

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 C2 - 1

IESAST - Meta-analysis of Maternal In Utero Exposure (irrespective of in life exposure)
Current Asthma (or Lifetime if Current not available)
 Adjusted

REF	NRR	CompC1	SEX	AST	AGEL	AGEH	RACE	LOC	BEGYR	PUBYR	STYP	ADJ	EXP-who	UNEXsource	UNEXTI
AGABI1	64		b	c	6	7	all	Eu:Ita	1994	1999	CC	12	Mother	NotMothr	non
AGABI2	64		b	c	13	14	all	Eu:Ita	1994	1999	CC	13	Mother	NotMothr	non
ANNESI	2		b	l	1	18	all	Eu:UK	1991	2001	CS	0	Mother	NotMothr	non
BERGMA	2		b	c	7	7	all	Eu:Ger	1990	2000	Pr	0	Mother	NotMothr	non
CSONKA	3		b	c	6	13	all	Eu:Sca	*	2000	CS	0	Mother	NotMothr	non
CUNNI1	20		b	c	8	11	all	NAmer	1988	1996	CS	10	Mother	NoHhMemb	othr
CUNNI2	1		b	l	9	11	all	NAmer	1993	1995	CS	0	Mother	NotMothr	non
DELL	3		b	l	1	1	all	NAmer	1994	2001	CS	4	Mother	NotMothr	non
EHRLI1	1		b	c	7	9	all	Africa	1993	1996	CC	8	Mother	NotMothr	non
EHRLI2	5		b	l	3	14	all	NAmer	1988	1992	CC	0	Mother	NotMothr	non
GILLIL	5		m	l	7	19	all	NAmer	1993	2001	CS	4	Mother	NotMothr	non
GILLIL	13		f	l	7	19	all	NAmer	1993	2001	CS	4	Mother	NotMothr	non
HABY	3		b	c	3	5	all	Auslia	1995	2001	CS	9	Mother	NotMothr	non
HU1	5	x	b	c	10	11	all	NAmer	1994	1997	CS	0	Mother	NotMothr	non
JONES	1		b	c	4	16	all	Eu:UK	1996	1999	CC	0	Mother	NotMothr	non
KUEHR	7		b	l	6	8	all	Eu:Ger	1990	1992	CS	1	Mother	NotMothr	non
NHANE3	78		b	l	0	5	all	NAmer	1988	2001	CS	11	Mother	NotMothr	non
NILSSO	3		b	l	13	14	all	Eu:Sca	*	1999	CS	7	Mother	NotMothr	non
NYSTAD	2		b	l	6	16	all	Eu:Sca	1994	1999	CS	10	Mother	NotMothr	non
OLIVET	5		b	c	4	9	all	NAmer	1993	1996	CC	5	Mother	NotMothr	non
PONSON	2		b	l	0	7	all	Auslia	1988	2000	Pr	6	Mother	NotMothr	non
SOYSET	13		b	l	7	13	all	Eu:Sca	1989	1995	CS	5	Mother	NotMothr	non
STAZI	1		b	l	0	5	all	Eu:Ita	1993	2002	CS	2	Mother	NotMothr	non
TARIQ	13		b	c	4	4	all	Eu:UK	1989	2000	Pr	1	Mother	NotMothr	non
WEITZ1	6	x	b	c	0	5	all	NAmer	1981	1990	CS	5	Mother	NotMothr	non
XU	1		b	l	0	7	all	Eu:Sca	1985	1999	Pr	0	Mother	NotMothr	non
ZHENG	25		b	c	6	10	all	As:FE	1999	2002	CC	0	Mother	NotMothr	non

Appendix Table C2 - 2

IESAST - Meta-analysis of Maternal In Utero Exposure (irrespective of in life exposure)
Current Asthma (or Lifetime if Current not available)
 Adjusted

REF	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
				Case	Cont	Case	Cont		
AGABI1	64	b	12	204	-	708	-	1.50	(1.24- 1.83)
AGABI2	64	b	13	196	-	1062	-	0.98	(0.81- 1.18)
ANNESI	2	b	0	163	1329	256	2405	1.15	(0.94- 1.42)
BERGMA	2	b	0	-	-	-	-	2.46	(1.28- 4.73)
CSONKA	3	b	0	-	-	-	-	1.70	(1.20- 2.40)
CUNNI1	20	b	10	-	-	-	-	1.20	(0.81- 1.79)
CUNNI2	1	b	0	37	285	54	500	1.20	(0.77- 1.87)
DELL	3	b	4	-	-	-	-	1.39	(0.83- 2.34)
EHRLI1	1	b	8	-	-	-	-	2.20	(1.28- 3.78)
EHRLI2	5	b	0	-	-	-	-	1.90	(1.10- 3.50)
GILLIL	5	m	4	-	-	-	-	1.26	(0.96- 1.64)
GILLIL	13	f	4	-	-	-	-	1.56	(1.16- 2.10)
Subtotal	GILLIL							1.39	(1.14- 1.69)
HABY	3	b	9	43	-	147	-	0.77	(0.40- 1.48)
HU1	5	b	0	21	99	52	341	1.39	(0.80- 2.42)
JONES	1	b	0	22	26	78	74	0.80	(0.42- 1.54)
KUEHR	7	b	1	18	-	144	-	0.61	(0.37- 1.03)
NHANE3	78	b	11	150	-	330	-	1.73	(1.16- 2.57)
NILSSO	3	b	7	-	-	-	-	1.30	(0.80- 1.90)
NYSTAD	2	b	10	43	-	120	-	1.10	(0.70- 1.70)
OLIVET	5	b	5	66	-	65	-	2.82	(1.53- 5.20)
*PONSON	2	b	6	140	-	138	-	1.08	(0.90- 1.30)
SOYSET	13	b	5	22	-	29	-	0.60	(0.30- 1.30)
STAZI	1	b	2	-	-	-	-	3.30	(1.00- 10.60)
TARIQ	13	b	1	44	-	137	-	1.39	(0.88- 2.22)
WEITZ1	6	b	5	43	-	74	-	1.61	(1.05- 2.47)
*XU	1	b	0	66	1658	217	6403	1.17	(0.90- 1.54)
ZHENG	25	b	0	5	5	398	801	2.01	(0.58- 6.99)
Partial Totals				1283	3402	4009	10524		

*prospective study

REF	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
AGABI1	64	b	12	0.41	101.44	3.13	0.0000
AGABI2	64	b	13	-0.02	108.55	6.79	0.8333
ANNESI	2	b	0	0.14	89.21	0.69	0.1808
BERGMA	2	b	0	0.90	8.99	4.04	0.0069
CSONKA	3	b	0	0.53	31.98	2.89	0.0027
CUNNI1	20	b	10	0.18	24.44	0.06	0.3674
CUNNI2	1	b	0	0.18	19.59	0.04	0.4153
DELL	3	b	4	0.33	14.30	0.14	0.2130
EHRLI1	1	b	8	0.79	13.10	4.09	0.0043
EHRLI2	5	b	0	0.64	11.47	1.95	0.0297
GILLIL	5	m	4	0.23	53.58	0.00	0.0907
GILLIL	13	f	4	0.44	43.62	2.01	0.0033
Subtotal	GILLIL			0.22	97.20	2.01	
HABY	3	b	9	-0.26	8.98	2.17	0.4336
HU1	5	b	0	0.33	12.52	0.13	0.2429
JONES	1	b	0	-0.22	9.07	1.83	0.5082
KUEHR	7	b	1	-0.49	14.66	7.69	0.0584
NHANE3	78	b	11	0.55	24.28	2.46	0.0069
NILSSO	3	b	7	0.26	20.54	0.02	0.2345
NYSTAD	2	b	10	0.10	19.52	0.35	0.6737
OLIVET	5	b	5	1.04	10.27	6.68	0.0009
*PONSON	2	b	6	0.08	113.63	2.66	0.4120
SOYSET	13	b	5	-0.51	7.15	3.92	0.1721
STAZI	1	b	2	1.19	2.76	2.56	0.0474
TARIQ	13	b	1	0.33	17.95	0.18	0.1630
WEITZ1	6	b	5	0.48	21.00	1.27	0.0291
*XU	1	b	0	0.16	52.63	0.25	0.2431
ZHENG	25	b	0	0.70	2.48	0.55	0.2710

Appendix Table C2 - 2

IESAST - Meta-analysis of Maternal In Utero Exposure (irrespective of in life exposure)
Current Asthma (or Lifetime if Current not available)
 Adjusted

RR data

	N	27
	NS	26
	Wt	857.69
Het	Chi	58.55
Het	df	26
Het	P	***
Fixed	RR	1.26
	RRl	1.18
	RRu	1.35
	P	+++
Random	RR	1.31
	RRl	1.17
	RRu	1.47
	P	+++
Asymm	P	N.S.

Appendix Table C2 - 3

IESAST - Meta-analysis of Maternal In Utero Exposure (irrespective of in life exposure)
Current Asthma (or Lifetime if Current not available)
 Adjusted

RR data

	N	27			
	NS	26			
	Wt	857.69			
Het	Chi	58.55			
Het	df	26			
Het	P	***			
Fixed	RR	1.26			
	RRl	1.18			
	RRu	1.35			
	P	+++			
Random	RR	1.31			
	RRl	1.17			
	RRu	1.47			
	P	+++			
Asymm	P	N.S.			
			<u>Sex</u>		
	both	male	female	Total	
	N	25	1	1	27
	NS	25	1	1	26
	Wt	760.49	53.58	43.62	857.69
Het	Chi	56.42	0.00	0.00	58.55
Het	df	24	0	0	26
Het	P	***	N.S.	N.S.	***
Fixed	RR	1.24	1.26	1.56	1.26
	RRl	1.16	0.96	1.16	1.18
	RRu	1.33	1.65	2.10	1.35
	P	+++	(+)	++	+++
Random	RR	1.30	1.26	1.56	1.31
	RRl	1.15	0.96	1.16	1.17
	RRu	1.47	1.65	2.10	1.47
	P	+++	(+)	++	+++
Between	Chi				2.13
Between	df				2
Between	P				N.S.

Appendix Table C2 - 7

IESAST - Meta-analysis of Maternal In Utero Exposure (irrespective of in life exposure)
 Current Asthma (or Lifetime if Current not available)
 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	AKCAKA	ALBA	ALDAWO	ALFRA1	ALFRA2	ANDRAE	ARSHAD	AZIZI	BARRET	BECKET	BENER	BRABIN	BURCHF	BURR	BUTZ
	CALL	CHEN1	CHEN2	CHHABR	CHINN	CLARK	DAIGLE	DEKKER	DEKOK	DIJKST	DODGE	DOLD	DOTTER	ECE	FAGBUL	FARBE1
	FARBE2	FARBE3	FAROOQ	FERGUS	FIELDE	FLYNN1	FLYNN2	FORAST	FORSB1	FORSB2	FORSB3	FUJI	GOLD	GOREN1	GOREN2	GOREN3
	GOREN4	GOREN5	GOREN6	GORTM1	GORTM2	GUPTA	GURKAN	HAJNAL	HJERN1	HJERN2	HOST	HU2	HUGHES	INFANT	JAAKKO	JENKIN
	KALYO1	KALYO2	KARUNA	KAY	KEARNE	KENDIR	KERSHA	KIVITY	KNIGHT	KUHR	LAM1	LAM2	LAU	LEE1	LEE2	LEEDER
	LEEN	LEROUX	LILLJE	LINDFO	LIS	LISTER	MAIER	MARTIN	MCCON1	MCCON2	MCKEEV	MELIA	MELSOM	MOHAME	MONTEF	MOUSSA
	MOYES1	MOYES2	MUMCUO	MURRAY	NITTA	OCONNE	ODDY	OHARA	PALMIE	PETERS	PIC	POKHAR	RASANE	RATAGE	RENNIE	RIBEIR
	RONCH1	RONCH2	RONCH3	RONMAR	ROSASV	RUDNIK	SANZOR	SARRAZ	SCHENK	SCHMIT	SELCUK	SENNHA	SHAMSS	SHERMA	SHOHAT	SIGURS
	SOMERV	SOTOQU	SPIEKE	SQUILL	STANHO	STERN1	STODDA	STRACH	TIMONE	TOMINA	TSIMOY	ULRIK	VARELA	VAVILI	VENNER	VERHOE
	VOLKME	VONMAF	WANG	WILLE1	WILLE2	WITHER	WOLFO1	WOLFO2	WOLFO3	YANG	ZEIGER	ZEJDA				
4	BALL	DEBENE	KAPLAN	KELLY	LOPEZC	STERN2	TAYLOR	WEITZ2								

Appendix Table C2 - 8

IESAST - Meta-analysis of Maternal In Utero Exposure (irrespective of in life exposure)
 Current Asthma (or Lifetime if Current not available)
 Potentially overlapping studies

REF	REFGP	PRINC	OVERLAP	
GILLIL	GILLIL	1	MCCON1/GILLIL	
KUEHR	KUEHR	1	KUEHR/SPIEKE	

Adjusted - insufficient data for metaanalysis																
REF	NRR	SEX	AST	AGEL	AGEH	RACE	LOC	BEGYR	PUBYR	STTYP	ADJ	EXP-who	UNEXsource	UNEXTI	RR	SIG
BALL	2	b	c	6	13	all	NAmer	1980	2000	Pr	8	Mother	NotMothr	non	*	n
DEBENE	3	b	1	6	12	all	Eu:Ita	*	1994	CS	0	Mother	NotMothr	non	1.86	y
KAPLAN	1	b	1	0	7	all	Eu:UK	1958	1985	Pr	0	Mother	NotMothr	non	*	n
KELLY	1	b	1	5	11	all	Eu:UK	1993	1995	CS	0	Mother	NotMothr	non	*	n
LOPEZC	1	b	c	6	10	all	SCAmer	*	2001	CC	0	Mother	NotMothr	non	6.32	n
STAZI	6	b	1	0	5	all	Eu:Ita	1993	2002	CS	6	Mother	NotMothr	non	*	y
STERN2	6	b	c	7	12	all	NAmer	*	1989	CS	0	Mother	NotMothr	non	0.98	n
TAYLOR	1	b	1	0	5	all	Eu:UK	1970	1983	Pr	2	Mother	NotMothr	non	*	n
WEITZ2	1	b	c	6	17	all	NAmer	1981	1990	CS	0	Mother	LowMothr	non	*	n

Appendix Table C3 -

IESAST - Meta-analysis of Paternal In Utero Exposure (irrespective of in life exposure)
Lifetime Asthma (or Current if Lifetime not available)

This analysis is restricted to results for:

- 1) Exposure during pregnancy
- 2) Exposure from father smoking or mother ETS exposed
- 3) Results not by amount of exposure
- 4) Results complete enough for use in metaanalysis

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

- 5) ASTHMA : lifetime, current
- 6) UNEXSO : not specific parent, neither parent, none in household, none
- 7) UNEXHI : not exposed defined as smoked none, or smoked none+low
- 8) RACE : all in study or nearest available, otherwise by race
- 9) ONSET : yes, no (prevalence)
- 10) For overlapping studies: principal rather than subsidiary studies, and for prospective studies, most recent follow-up

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
(Sections 4-6 not presented)

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 C3 - 1

IESAST - Meta-analysis of Paternal In Utero Exposure (irrespective of in life exposure)
 Lifetime Asthma (or Current if Lifetime not available)
 Adjusted

REF	NRR	SEX	AST	AGEL	AGEH	RACE	LOC	BEGYR	PUBYR	STTYP	ADJ	EXP-sou	UNEXsource	UNEXTI
AGABI1	78	b	c	6	7	all Eu:Ita	1994	1999	CC	12	Father	NotFathr	non	
AGABI2	78	b	c	13	14	all Eu:Ita	1994	1999	CC	13	Father	NotFathr	non	
ZHENG	13	b	c	6	10	all As:FE	1999	2002	CC	6	MothETS	NotMothr	non	

Appendix Table C3 - 2

IESAST - Meta-analysis of Paternal In Utero Exposure (irrespective of in life exposure)
 Lifetime Asthma (or Current if Lifetime not available)
 Adjusted

REF	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
				Case	Cont	Case	Cont		
AGABI1	78	b	12	432	-	461	-	1.12	(0.94- 1.34)
AGABI2	78	b	13	666	-	558	-	1.19	(1.03- 1.37)
ZHENG	13	b	6	275	-	128	-	1.30	(1.00- 1.60)
Partial Totals				1373	0	1147	0		

*prospective study

REF	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
AGABI1	78	b	12	0.11	122.24	0.40	0.2102
AGABI2	78	b	13	0.17	188.84	0.00	0.0168
ZHENG	13	b	6	0.26	69.56	0.59	0.0287

RR data

	N	3
	NS	3
	Wt	380.64
Het	Chi	0.99
Het	df	2
Het	P	N.S.
Fixed	RR	1.19
	RR1	1.07
	RRu	1.31
	P	+++
Random	RR	1.19
	RR1	1.07
	RRu	1.31
	P	+++
Asymm	P	N.S.

Appendix Table C3 - 3

IESAST - Meta-analysis of Paternal In Utero Exposure (irrespective of in life exposure)
 Lifetime Asthma (or Current if Lifetime not available)
 Adjusted

RR data

	N	3			
	NS	3			
	Wt	380.64			
Het	Chi	0.99			
Het	df	2			
Het	P	N.S.			
Fixed	RR	1.19			
	RRl	1.07			
	RRu	1.31			
	P	+++			
Random	RR	1.19			
	RRl	1.07			
	RRu	1.31			
	P	+++			
Asymm	P	N.S.			
			<u>Sex</u>		
	both		male	female	Total
	N	3			3
	NS	3			3
	Wt	380.64			380.64
Het	Chi	0.99			0.99
Het	df	2			2
Het	P	N.S.			N.S.
Fixed	RR	1.19			1.19
	RRl	1.07			1.07
	RRu	1.31			1.31
	P	+++			+++
Random	RR	1.19			1.19
	RRl	1.07			1.07
	RRu	1.31			1.31
	P	+++			+++
Between	Chi				
Between	df				
Between	P				N.S.

Appendix Table C3 - 7

IESAST - Meta-analysis of Paternal In Utero Exposure (irrespective of in life exposure)
 Lifetime Asthma (or Current if Lifetime not available)
 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	AKCAKA	ALBA	ALDAWO	ALFRA1	ALFRA2	ANDRAE	ARSHAD	AZIZI	BARRET	BECKET	BENER	BRABIN	BURCHF	BURR	BUTZ
	CALL	CHEN1	CHEN2	CHHABR	CHINN	CLARK	DAIGLE	DEKKER	DEKOK	DIJKST	DODGE	DOLD	DOTTER	ECE	FAGBUL	FARBE1
	FARBE2	FARBE3	FAROOQ	FERGUS	FIELDE	FLYNN1	FLYNN2	FORAST	FORSB1	FORSB2	FORSB3	FUJI	GOLD	GOREN1	GOREN2	GOREN3
	GOREN4	GOREN5	GOREN6	GORTM1	GORTM2	GUPTA	GURKAN	HAJNAL	HJERN1	HJERN2	HOST	HU2	HUGHES	INFANT	JAAKKO	JENKIN
	KALYO1	KALYO2	KARUNA	KAY	KEARNE	KENDIR	KERSHA	KIVITY	KNIGHT	KUHR	LAM1	LAM2	LAU	LEE1	LEE2	LEEDER
	LEEN	LEROUX	LILLJE	LINDFO	LIS	LISTER	MAIER	MARTIN	MCCON1	MCCON2	MCKEEV	MELIA	MELSOM	MOHAME	MONTEF	MOUSSA
	MOYES1	MOYES2	MUMCUO	MURRAY	NITTA	OCONNE	ODDY	OHARA	PALMIE	PETERS	PIC	POKHAR	RASANE	RATAGE	RENNIE	RIBEIR
	RONCH1	RONCH2	RONCH3	RONMAR	ROSASV	RUDNIK	SANZOR	SARRAZ	SCHENK	SCHMIT	SELCUK	SENNHA	SHAMSS	SHERMA	SHOHAT	SIGURS
	SOMERV	SOTOQU	SPIEKE	SQUILL	STANHO	STERN1	STODDA	STRACH	TIMONE	TOMINA	TSIMOY	ULRIK	VARELA	VAVILI	VENNER	VERHOE
	VOLKME	VONMAF	WANG	WILLE1	WILLE2	WITHER	WOLFO1	WOLFO2	WOLFO3	YANG	ZEIGER	ZEJDA				
2	ANNESI	BALL	BERGMA	CSONKA	CUNNI1	CUNNI2	DEBENE	DELL	EHRLI1	EHRLI2	GILLIL	HABY	HU1	JONES	KAPLAN	KELLY
	KUEHR	LOPEZC	NHANE3	NILSSO	NYSTAD	OLIVET	PONSON	SOYSET	STAZI	STERN2	TARIQ	TAYLOR	WEITZ1	WEITZ2	XU	