

Appendix Table B1 -

Adults - Meta-analysis of Total/Household/Workplace Exposure : Low Dose
Lifetime/Current Asthma

This analysis is restricted to results for:

- 1) Total, household (overall) or workplace exposure
- 2) Results for low amount of exposure
- 3) Results complete enough for use in metaanalysis

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

- 4) ASTHMA : lifetime, current
- 5) EXPOS : total, household, workplace
- 6) MEAS : number of cigarettes, hours per day (0 indicates <1)
- 7) For overlapping studies: principal rather than subsidiary studies

Finally 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. It then 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 B1 - 1

Adults - Meta-analysis of Total/Household/Workplace Exposure : Low Dose
 Lifetime/Current Asthma
 Adjusted

REF	NRR	SEX	AST	SMOK	AGEL	AGEH	LOC	BEGYR	PUBYR	TYP	ONS	ADJ	EXPOS	UNEXsrce	EXPOS-time	UNEXTI	MEAS	LO	HI
JAAK3	26	b	c	Never	21	63	Eu:Fin	1997	2003	CC	ons	7	Hh,Wk	None	current	non	cigs	1	9
JANSON	4	b	c	<1yr	20	48	multi	1990	2001	CS	prv	9	Hh,Wk	None	current	non	hours	1	3
LARSS2	1	b	l	Never	15	64	Eu:Est	1995	2003	CS	prv	5	Work	NotWork	current	non	hours	0	0
NG	4	f	c	<1yr	20	74	As:Sin	*	1993	CS	prv	6	Hh	NoHhMemb	lifetime	non	cigs	1	19

Appendix Table B1 - 2

Adults - Meta-analysis of Total/Household/Workplace Exposure : Low Dose
Lifetime/Current Asthma
Adjusted

REF	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
				Case	Control	Case	Control		
JAAKK3	26	b	7	17	-	196	-	2.13	(1.05- 4.30)
JANSON	4	b	9	-	-	-	-	0.99	(0.70- 1.40)
LARSS2	1	b	5	-	-	-	-	0.85	(0.54- 1.34)
NG	4	f	6	7	-	15	-	0.86	(0.34- 2.21)
Partial Totals				24	0	211	0		

REF	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
JAAKK3	26	b	7	0.76	7.73	4.08	0.0355
JANSON	4	b	9	-0.01	31.98	0.05	0.9547
LARSS2	1	b	5	-0.16	18.60	0.68	0.4833
NG	4	f	6	-0.15	4.39	0.14	0.7521

N 4
NS 4

Wt 62.70
Het Chi 4.96
Het df 3
Het P N.S.
Fixed RR 1.03
RRl 0.80
RRu 1.32
P N.S.
Random RR 1.07
RRl 0.75
RRu 1.51
P N.S.
Asymm P N.S.

Appendix Table B1 - 3

Adults - Meta-analysis of Total/Household/Workplace Exposure : Low Dose
Lifetime/Current Asthma
Adjusted

	NAmer	<u>Continent</u>		Total
		Europe	Oth/Mult	
N		2	2	4
NS		2	2	4
Wt		26.33	36.37	62.70
Het Chi		4.61	0.08	4.96
Het df		1	1	3
Het P		*	N.S.	N.S.
Fixed RR		1.11	0.97	1.03
RRl		0.76	0.70	0.80
RRu		1.63	1.35	1.32
P		N.S.	N.S.	N.S.
Random RR		1.29	0.97	1.07
RRl		0.53	0.70	0.75
RRu		3.17	1.35	1.51
P		N.S.	N.S.	N.S.
Between Chi				0.28
Between df				1
Between P				N.S.

	N	<u>Start year of study</u>			Total
		<1990	1990-99	unknown	
N		3	1		4
NS		3	1		4
Wt		58.32	4.39		62.70
Het Chi		4.81	0.00		4.96
Het df		2	0		3
Het P		(*)	N.S.		N.S.
Fixed RR		1.04	0.86		1.03
RRl		0.81	0.34		0.80
RRu		1.35	2.19		1.32
P		N.S.	N.S.		N.S.
Random RR		1.12	0.86		1.07
RRl		0.73	0.34		0.75
RRu		1.72	2.19		1.51
P		N.S.	N.S.		N.S.
Between Chi					0.15
Between df					1
Between P					N.S.

	N	<u>Study type</u>			Total
		CC	Pr	CS	
N		1		3	4
NS		1		3	4
Wt		7.73		54.97	62.70
Het Chi		0.00		0.30	4.96
Het df		0		2	3
Het P		N.S.		N.S.	N.S.
Fixed RR		2.13		0.93	1.03
RRl		1.05		0.71	0.80
RRu		4.31		1.21	1.32
P		+		N.S.	N.S.
Random RR		2.13		0.93	1.07
RRl		1.05		0.71	0.75
RRu		4.31		1.21	1.51
P		+		N.S.	N.S.
Between Chi					4.66
Between df					1
Between P					*

Appendix Table B1 - 4

Adults - Meta-analysis of Total/Household/Workplace Exposure : Low Dose
 Lifetime/Current Asthma
 Unadjusted

REF	NRR	X	SEX	AST	SMOK	AGEL	AGEH	LOC	BEGYR	PUBYR	TYP	ONS	ADJ	EXPOS	UNEXsrce	EXPOS-time	UNEXTI	MEAS	LO	HI
JAAKK3	2	x	b	c	Never	21	63	Eu:Fin	1997	2003	CC	ons	0	Hh,Wk	None	current	non	cigs	1	9
JANSON	4		b	c	<lyr	20	48	multi	1990	2001	CS	prv	9	Hh,Wk	None	current	non	hours	1	3
LARSS2	1		b	l	Never	15	64	Eu:Est	1995	2003	CS	prv	5	Work	NotWork	current	non	hours	0	0
NG	1	x	f	c	<lyr	20	74	As:Sin	*	1993	CS	prv	0	Hh	NoHhMemb	lifetime	non	cigs	1	19

Appendix Table B1 - 5

Adults - Meta-analysis of Total/Household/Workplace Exposure : Low Dose
Lifetime/Current Asthma
Unadjusted

REF	NRR	SEX	ADJ	Numbers				RR	95.00%CI
				Exposed		Non-exposed			
				Case	Control	Case	Control		
JAAKK3	2	b	0	17	22	196	436	1.72 (0.89- 3.31)
JANSON	4	b	9	-	-	-	-	0.99 (0.70- 1.40)
LARSS2	1	b	5	-	-	-	-	0.85 (0.54- 1.34)
NG	1	f	0	7	337	15	604	0.84 (0.34- 2.07)
Partial Totals				24	359	211	1040		

REF	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
JAAKK3	2	b	0	0.54	8.95	2.53	0.1050
JANSON	4	b	9	-0.01	31.98	0.01	0.9547
LARSS2	1	b	5	-0.16	18.60	0.56	0.4833
NG	1	f	0	-0.18	4.67	0.17	0.6995

N 4
NS 4

Wt 64.21
Het Chi 3.26
Het df 3
Het P N.S.
Fixed RR 1.01
RRl 0.79
RRu 1.29
P N.S.
Random RR 1.01
RRl 0.78
RRu 1.32
P N.S.
Asymm P N.S.

Appendix Table B1 - 6

Adults - Meta-analysis of Total/Household/Workplace Exposure : Low Dose
Lifetime/Current Asthma
 Unadjusted

	NAmer	<u>Continent</u>		Total	
		Europe	Oth/Mult		
N		2	2	4	
NS		2	2	4	
Wt		27.56	36.65	64.21	
Het Chi		3.00	0.12	3.26	
Het df		1	1	3	
Het P		(*)	N.S.	N.S.	
Fixed RR		1.07	0.97	1.01	
RRl		0.74	0.70	0.79	
RRu		1.55	1.34	1.29	
P		N.S.	N.S.	N.S.	
Random RR		1.16	0.97	1.01	
RRl		0.58	0.70	0.78	
RRu		2.30	1.34	1.32	
P		N.S.	N.S.	N.S.	
Between Chi				0.15	
Between df				1	
Between P				N.S.	
<u>Start year of study</u>					
		<1990	1990-99	unknown	Total
N		3	1		4
NS		3	1		4
Wt		59.54	4.67		64.21
Het Chi		3.08	0.00		3.26
Het df		2	0		3
Het P		N.S.	N.S.		N.S.
Fixed RR		1.03	0.84		1.01
RRl		0.80	0.34		0.79
RRu		1.32	2.07		1.29
P		N.S.	N.S.		N.S.
Random RR		1.05	0.84		1.01
RRl		0.75	0.34		0.78
RRu		1.46	2.07		1.32
P		N.S.	N.S.		N.S.
Between Chi					0.18
Between df					1
Between P					N.S.
<u>Study type</u>					
		CC	Pr	CS	Total
N		1		3	4
NS		1		3	4
Wt		8.95		55.25	64.21
Het Chi		0.00		0.33	3.26
Het df		0		2	3
Het P		N.S.		N.S.	N.S.
Fixed RR		1.72		0.93	1.01
RRl		0.89		0.71	0.79
RRu		3.31		1.21	1.29
P		N.S.		N.S.	N.S.
Random RR		1.72		0.93	1.01
RRl		0.89		0.71	0.78
RRu		3.31		1.21	1.32
P		N.S.		N.S.	N.S.
Between Chi					2.94
Between df					1
Between P					(*)

Appendix Table B1 - 7

Adults - Meta-analysis of Total/Household/Workplace Exposure : Low Dose
Lifetime/Current 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
2	BECKE2	JEDRYC	KRONQV	LARSS1	MISHRA	NHANE3	ORYSZC	PILOTT	PLATTS	RAHERI	ROBBIN	SAPALD	THORN			
	Potentially overlapping studies															
	REF	REFGP	PRINC													
	JANSON	JANSON	p													
					OVERLAP											
					JANSON/RAHERI											

Appendix Table B2 -

Adults - Meta-analysis of Total/Household/Workplace Exposure : High Dose
Lifetime/Current Asthma

This analysis is restricted to results for:

- 1) Total, household (overall) or workplace exposure
- 2) Results for high amount of exposure
- 3) Results complete enough for use in metaanalysis

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

- 4) ASTHMA : lifetime, current
- 5) EXPOS : total, household, workplace
- 6) MEAS : number of cigarettes, hours per day (999 indicates no upper limit)
- 7) For overlapping studies: principal rather than subsidiary studies

Finally 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. It then 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 B2 - 1

Adults - Meta-analysis of Total/Household/Workplace Exposure : High Dose
 Lifetime/Current Asthma
 Adjusted

REF	NRR	SEX	AST	SMOK	AGEL	AGEH	LOC	BEGYR	PUBYR	TYP	ONS	ADJ	EXPOS	UNEXsrce	EXPOS-time	UNEXTI	MEAS	LO	HI
JAAK3	27	b	c	Never	21	63	Eu:Fin	1997	2003	CC	ons	7	Hh,Wk	None	current	non	cigs	10	999
JANSON	6	b	c	<1yr	20	48	multi	1990	2001	CS	prv	9	Hh,Wk	None	current	non	hours	8	999
LARSS2	3	b	l	Never	15	64	Eu:Est	1995	2003	CS	prv	5	Work	NotWork	current	non	hours	6	999
NG	5	f	c	<1yr	20	74	As:Sin	*	1993	CS	prv	6	Hh	NoHhMemb	lifetime	non	cigs	20	999

Appendix Table B2 - 2

Adults - Meta-analysis of Total/Household/Workplace Exposure : High Dose
Lifetime/Current Asthma
 Adjusted

REF	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
				Case	Control	Case	Control		
JAAKK3	27	b	7	14	-	196	-	2.14	(0.95- 4.82)
JANSON	6	b	9	-	-	-	-	1.39	(0.86- 2.25)
LARSS2	3	b	5	-	-	-	-	1.79	(1.02- 3.16)
NG	5	f	6	11	-	15	-	1.60	(0.69- 3.70)
Partial Totals				25	0	211	0		

*prospective study

REF	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
JAAKK3	27	b	7	0.76	5.83	0.43	0.0663
JANSON	6	b	9	0.33	16.61	0.42	0.1795
LARSS2	3	b	5	0.58	12.02	0.11	0.0436
NG	5	f	6	0.47	5.45	0.00	0.2726

N 4
 NS 4

Wt 39.90
 Het Chi 0.96
 Het df 3
 Het P N.S.
 Fixed RR 1.63
 RRl 1.19
 RRu 2.22
 P ++
 Random RR 1.63
 RRl 1.19
 RRu 2.22
 P ++
 Asymm P N.S.

Appendix Table B2 - 3

Adults - Meta-analysis of Total/Household/Workplace Exposure : High Dose
Lifetime/Current Asthma
Adjusted

	NAmer	<u>Continent</u>		Total
		Europe	Oth/Mult	
N		2	2	4
NS		2	2	4
Wt		17.84	22.06	39.90
Het Chi		0.13	0.08	0.96
Het df		1	1	3
Het P		N.S.	N.S.	N.S.
Fixed RR		1.90	1.44	1.63
RRl		1.19	0.95	1.19
RRu		3.02	2.18	2.22
P		++	(+)	++
Random RR		1.90	1.44	1.63
RRl		1.19	0.95	1.19
RRu		3.02	2.18	2.22
P		++	(+)	++
Between Chi				0.75
Between df				1
Between P				N.S.

	N	<u>Start year of study</u>			Total
		<1990	1990-99	unknown	
N		3	1		4
NS		3	1		4
Wt		34.46	5.45		39.90
Het Chi		0.96	0.00		0.96
Het df		2	0		3
Het P		N.S.	N.S.		N.S.
Fixed RR		1.63	1.60		1.63
RRl		1.17	0.69		1.19
RRu		2.28	3.71		2.22
P		++	N.S.		++
Random RR		1.63	1.60		1.63
RRl		1.17	0.69		1.19
RRu		2.28	3.71		2.22
P		++	N.S.		++
Between Chi					0.00
Between df					1
Between P					N.S.

	N	<u>Study type</u>			Total
		CC	Pr	CS	
N		1		3	4
NS		1		3	4
Wt		5.83		34.08	39.90
Het Chi		0.00		0.45	0.96
Het df		0		2	3
Het P		N.S.		N.S.	N.S.
Fixed RR		2.14		1.55	1.63
RRl		0.95		1.11	1.19
RRu		4.82		2.17	2.22
P		(+)		+	++
Random RR		2.14		1.55	1.63
RRl		0.95		1.11	1.19
RRu		4.82		2.17	2.22
P		(+)		+	++
Between Chi					0.51
Between df					1
Between P					N.S.

Appendix Table B2 - 4

Adults - Meta-analysis of Total/Household/Workplace Exposure : High Dose
 Lifetime/Current Asthma
 Unadjusted

REF	NRR	X	SEX	AST	SMOK	AGEL	AGEH	LOC	BEGYR	PUBYR	TYP	ONS	ADJ	EXPOS	UNEXsrce	EXPOS-time	UNEXTI	MEAS	LO	HI
JAAK3	3	x	b	c	Never	21	63	Eu:Fin	1997	2003	CC	ons	0	Hh,Wk	None	current	non	cigs	10	999
JANSON	6		b	c	<1yr	20	48	multi	1990	2001	CS	prv	9	Hh,Wk	None	current	non	hours	8	999
LARSS2	3		b	l	Never	15	64	Eu:Est	1995	2003	CS	prv	5	Work	NotWork	current	non	hours	6	999
NG	2	x	f	c	<1yr	20	74	As:Sin	*	1993	CS	prv	0	Hh	NoHhMemb	lifetime	non	cigs	20	999

Appendix Table B2 - 5

Adults - Meta-analysis of Total/Household/Workplace Exposure : High Dose
 Lifetime/Current Asthma
 Unadjusted

REF	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
				Case	Control	Case	Control		
JAAKK3	3	b	0	14	17	196	436	1.83	(0.89- 3.79)
JANSON	6	b	9	-	-	-	-	1.39	(0.86- 2.25)
LARSS2	3	b	5	-	-	-	-	1.79	(1.02- 3.16)
NG	2	f	0	11	308	15	604	1.44	(0.65- 3.17)
Partial Totals				25	325	211	1040		

*prospective study

REF	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
JAAKK3	3	b	0	0.61	7.26	0.17	0.1027
JANSON	6	b	9	0.33	16.61	0.26	0.1795
LARSS2	3	b	5	0.58	12.02	0.20	0.0436
NG	2	f	0	0.36	6.15	0.05	0.3674

N 4
 NS 4

Wt 42.05
 Het Chi 0.67
 Het df 3
 Het P N.S.
 Fixed RR 1.58
 RRl 1.16
 RRu 2.13
 P ++
 Random RR 1.58
 RRl 1.16
 RRu 2.13
 P ++
 Asymm P N.S.

Appendix Table B2 - 6

Adults - Meta-analysis of Total/Household/Workplace Exposure : High Dose
Lifetime/Current Asthma
 Unadjusted

	NAmer	<u>Continent</u>		Total
		Europe	Oth/Mult	
N		2	2	4
NS		2	2	4
Wt		19.28	22.77	42.05
Het Chi		0.00	0.01	0.67
Het df		1	1	3
Het P		N.S.	N.S.	N.S.
Fixed RR		1.81	1.40	1.58
RRl		1.16	0.93	1.16
RRu		2.82	2.12	2.13
P		++	N.S.	++
Random RR		1.81	1.40	1.58
RRl		1.16	0.93	1.16
RRu		2.82	2.12	2.13
P		++	N.S.	++
Between Chi				0.67
Between df				1
Between P				N.S.

	N	<u>Start year of study</u>			Total
		<1990	1990-99	unknown	
N		3	1		4
NS		3	1		4
Wt		35.89	6.15		42.05
Het Chi		0.61	0.00		0.67
Het df		2	0		3
Het P		N.S.	N.S.		N.S.
Fixed RR		1.60	1.44		1.58
RRl		1.15	0.65		1.16
RRu		2.22	3.17		2.13
P		++	N.S.		++
Random RR		1.60	1.44		1.58
RRl		1.15	0.65		1.16
RRu		2.22	3.17		2.13
P		++	N.S.		++
Between Chi					0.06
Between df					1
Between P					N.S.

	N	<u>Study type</u>			Total
		CC	Pr	CS	
N		1		3	4
NS		1		3	4
Wt		7.26		34.78	42.05
Het Chi		0.00		0.47	0.67
Het df		0		2	3
Het P		N.S.		N.S.	N.S.
Fixed RR		1.83		1.53	1.58
RRl		0.89		1.09	1.16
RRu		3.79		2.13	2.13
P		N.S.		+	++
Random RR		1.83		1.53	1.58
RRl		0.89		1.09	1.16
RRu		3.79		2.13	2.13
P		N.S.		+	++
Between Chi					0.20
Between df					1
Between P					N.S.

Appendix Table B2 - 7

Adults - Meta-analysis of Total/Household/Workplace Exposure : High Dose
Lifetime/Current 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
2	BECKE2	JEDRYC	KRONQV	LARSS1	MISHRA	NHANE3	ORYSZC	PILOTT	PLATTS	RAHERI	ROBBIN	SAPALD	THORN			
	Potentially overlapping studies															
	REF	REFGP	PRINC													
	JANSON	JANSON	p													
					OVERLAP											
					JANSON/RAHERI											

Appendix Table B3 -

Adults - Meta-analysis of Household Exposure : Low Dose
Lifetime/Current Asthma

This analysis is restricted to results for:

- 1) Household (overall) exposure
- 2) Results for low amount of exposure
- 3) Results complete enough for use in metaanalysis

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

- 4) ASTHMA : lifetime, current
 - 5) MEAS : number of cigarettes, hours per day
 - 6) For overlapping studies: principal rather than subsidiary studies
- Finally 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 B1 - 1 are marked 'x' in Section -1) 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)

Appendix Table B3 - 1

Adults - Meta-analysis of Household Exposure : Low Dose
 Lifetime/Current Asthma
 Adjusted

REF	NRR	CompB1	SEX	AST	SMOK	AGEL	AGEH	LOC	BEGYR	PUBYR	TYP	ONS	ADJ	EXPOS	UNEXsrce	EXPOS-time	UNEXTI	MEAS	LO	HI	
JAAKK3	32		x	b	c	Never	21	63	Eu:Fin	1997	2003	CC	ons	8	Hh	NoHhMemb	current	non	cigs	1	9
NG	4			f	c	<lyr	20	74	As:Sin	*	1993	CS	prv	6	Hh	NoHhMemb	lifetime	non	cigs	1	19

Appendix Table B3 - 2

Adults - Meta-analysis of Household Exposure : Low Dose
 Lifetime/Current Asthma
 Adjusted

REF	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
				Case	Control	Case	Control		
JAAK3	32	b	8	4	-	224	-	3.93	(0.80- 19.40)
NG	4	f	6	7	-	15	-	0.86	(0.34- 2.21)
Partial Totals				11	0	239	0		

*prospective study

REF	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
JAAK3	32	b	8	1.37	1.51	1.93	0.0924
NG	4	f	6	-0.15	4.39	0.67	0.7521

N	2
NS	2
Wt	5.90
Het Chi	2.60
Het df	1
Het P	N.S.
Fixed RR	1.27
RRl	0.57
RRu	2.85
P	N.S.
Random RR	1.59
RRl	0.37
RRu	6.88
P	N.S.
Asymm P	

Appendix Table B3 - 4

Adults - Meta-analysis of Household Exposure : Low Dose
 Lifetime/Current Asthma
 Unadjusted

REF	NRR	X	SEX	AST	SMOK	AGEL	AGEH	LOC	BEGYR	PUBYR	TYP	ONS	ADJ	EXPOS	UNEXsrce	EXPOS-time	UNEXTI	MEAS	LO	HI
JAAKK3	8	x	b	c	Never	21	63	Eu:Fin	1997	2003	CC ons	0		Hh NoHhMemb	current	non	cigs	1	9	
NG	1	x	f	c	<lyr	20	74	As:Sin	*	1993	CS prv	0		Hh NoHhMemb	lifetime	non	cigs	1	19	

Appendix Table B3 - 5

Adults - Meta-analysis of Household Exposure : Low Dose
 Lifetime/Current Asthma
 Unadjusted

REF	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
				Case	Control	Case	Control		
JAAKK3	8	b	0	4	3	224	475	2.83	(0.63- 12.74)
NG	1	f	0	7	337	15	604	0.84	(0.34- 2.07)
Totals				11	340	239	1079		

*prospective study

REF	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
JAAKK3	8	b	0	1.04	1.70	1.35	0.1760
NG	1	f	0	-0.18	4.67	0.49	0.6995

N	2
NS	2
Wt	6.36
Het Chi	1.85
Het df	1
Het P	N.S.
Fixed RR	1.16
RRl	0.53
RRu	2.52
P	N.S.
Random RR	1.32
RRl	0.42
RRu	4.18
P	N.S.
Asymm P	

Appendix Table B4 -

Adults - Meta-analysis of Household Exposure : High Dose
Lifetime/Current Asthma

This analysis is restricted to results for:

- 1) Household (overall) exposure
- 2) Results for high amount of exposure
- 3) Results complete enough for use in metaanalysis

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

- 4) ASTHMA : lifetime, current
 - 5) MEAS : number of cigarettes, hours per day (999 indicates no upper limit)
 - 6) For overlapping studies: principal rather than subsidiary studies
- Finally 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 B2 - 1 are marked 'x' in Section -1) 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)

Appendix Table B4 - 1

Adults - Meta-analysis of Household Exposure : High Dose
 Lifetime/Current Asthma
 Adjusted

REF	NRR	CompB2	SEX	AST	SMOK	AGEL	AGEH	LOC	BEGYR	PUBYR	TYP	ONS	ADJ	EXPOS	UNEXsrce	EXPOS-time	UNEXTI	MEAS	LO	HI	
JAAKK3	33		x	b	c	Never	21	63	Eu:Fin	1997	2003	CC	ons	8	Hh	NoHhMemb	current	non	cigs	10	999
NG	5			f	c	<lyr	20	74	As:Sin	*	1993	CS	prv	6	Hh	NoHhMemb	lifetime	non	cigs	20	999

Appendix Table B4 - 2

Adults - Meta-analysis of Household Exposure : High Dose
 Lifetime/Current Asthma
 Adjusted

REF	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
				Case	Control	Case	Control		
JAAK3	33	b	8	2	-	224	-	0.75	(0.13- 4.29)
NG	5	f	6	11	-	15	-	1.60	(0.69- 3.70)
Partial Totals				13	0	239	0		

*prospective study

REF	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
JAAK3	33	b	8	-0.29	1.26	0.48	0.7471
NG	5	f	6	0.47	5.45	0.11	0.2726

N	2
NS	2
Wt	6.71
Het Chi	0.59
Het df	1
Het P	N.S.
Fixed RR	1.39
RRl	0.65
RRu	2.96
P	N.S.
Random RR	1.39
RRl	0.65
RRu	2.96
P	N.S.
Asymm P	

Appendix Table B4 - 4

Adults - Meta-analysis of Household Exposure : High Dose
 Lifetime/Current Asthma
 Unadjusted

REF	NRR	X	SEX	AST	SMOK	AGEL	AGEH	LOC	BEGYR	PUBYR	TYP	ONS	ADJ	EXPOS	UNEXsrce	EXPOS-time	UNEXTI	MEAS	LO	HI
JAAKK3	9	x	b	c	Never	21	63	Eu:Fin	1997	2003	CC ons	0		Hh NoHhMemb	current	non	cigs	10	999	
NG	2	x	f	c	<lyr	20	74	As:Sin	*	1993	CS prv	0		Hh NoHhMemb	lifetime	non	cigs	20	999	

Appendix Table B4 - 5

Adults - Meta-analysis of Household Exposure : High Dose
 Lifetime/Current Asthma
 Unadjusted

REF	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
				Case	Control	Case	Control		
JAAKK3	9	b	0	2	5	224	475	0.85	(0.16- 4.41)
NG	2	f	0	11	308	15	604	1.44	(0.65- 3.17)
Totals				13	313	239	1079		

*prospective study

REF	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
JAAKK3	9	b	0	-0.16	1.42	0.26	0.8447
NG	2	f	0	0.36	6.15	0.06	0.3674

N	2
NS	2
Wt	7.57
Het Chi	0.32
Het df	1
Het P	N.S.
Fixed RR	1.30
RRl	0.64
RRu	2.66
P	N.S.
Random RR	1.30
RRl	0.64
RRu	2.66
P	N.S.
Asymm P	

Appendix Table B5 -

Adults - Meta-analysis of Workplace Exposure : Low Dose
Lifetime/Current Asthma

This analysis is restricted to results for:

- 1) Workplace exposure
- 2) Results for low amount of exposure
- 3) Results complete enough for use in metaanalysis

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

- 4) ASTHMA : lifetime, current
 - 5) MEAS : number of cigarettes, hours per day (0 indicates <1)
 - 6) For overlapping studies: principal rather than subsidiary studies
- Finally 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 B1 - 1 are marked 'x' in Section -1) 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)

Appendix Table B5 - 1

Adults - Meta-analysis of Workplace Exposure : Low Dose
 Lifetime/Current Asthma
 Adjusted

REF	NRR	CompB1	SEX	AST	SMOK	AGEL	AGEH	LOC	BEGYR	PUBYR	TYP	ONS	ADJ	EXPOS	UNEXsrce	EXPOS-time	UNEXTI	MEAS	LO	HI	
JAAKK3	29		x	b	c	Never	21	63	Eu:Fin	1997	2003	CC	ons	8	Work	NotWork	current	non	cigs	1	9
LARSS2	1			b	l	Never	15	64	Eu:Est	1995	2003	CS	prv	5	Work	NotWork	current	non	hours	0	0

Appendix Table B5 - 2

Adults - Meta-analysis of Workplace Exposure : Low Dose
 Lifetime/Current Asthma
 Adjusted

REF	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI	
				Case	Control	Case	Control		(-
JAAK3	29	b	8	15	-	184	-	2.06	(0.97- 4.36)
LARSS2	1	b	5	-	-	-	-	0.85	(0.54- 1.34)
Partial Totals				15	0	184	0			

*prospective study

REF	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
JAAK3	29	b	8	0.72	6.80	2.86	0.0594
LARSS2	1	b	5	-0.16	18.60	1.05	0.4833

N 2
 NS 2

Wt 25.40
 Het Chi 3.90
 Het df 1
 Het P *
 Fixed RR 1.08
 RRl 0.73
 RRu 1.59
 P N.S.
 Random RR 1.26
 RRl 0.53
 RRu 2.97
 P N.S.
 Asymm P

Appendix Table B5 - 4

Adults - Meta-analysis of Workplace Exposure : Low Dose
 Lifetime/Current Asthma
 Unadjusted

REF	NRR	X	SEX	AST	SMOK	AGEL	AGEH	LOC	BEGYR	PUBYR	TYP	ONS	ADJ	EXPOS	UNEXsrce	EXPOS-time	UNEXTI	MEAS	LO	HI
JAAKK3	5	x	b	c	Never	21	63	Eu:Fin	1997	2003	CC	ons	0	Work	NotWork	current	non	cigs	1	9
LARSS2	1		b	1	Never	15	64	Eu:Est	1995	2003	CS	prv	5	Work	NotWork	current	non	hours	0	0

Appendix Table B5 - 5

Adults - Meta-analysis of Workplace Exposure : Low Dose
 Lifetime/Current Asthma
 Unadjusted

REF	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
				Case	Control	Case	Control		
JAAKK3	5	b	0	15	19	184	415	1.78	(0.89- 3.58)
LARSS2	1	b	5	-	-	-	-	0.85	(0.54- 1.34)
Partial Totals				15	19	184	415		

*prospective study

REF	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
JAAKK3	5	b	0	0.58	7.87	2.12	0.1056
LARSS2	1	b	5	-0.16	18.60	0.90	0.4833

N 2
 NS 2

Wt 26.47
 Het Chi 3.02
 Het df 1
 Het P (*)
 Fixed RR 1.06
 RRl 0.72
 RRu 1.55
 P N.S.
 Random RR 1.17
 RRl 0.57
 RRu 2.40
 P N.S.
 Asymm P

Appendix Table B6 -

Adults - Meta-analysis of Workplace Exposure : High Dose
Lifetime/Current Asthma

This analysis is restricted to results for:

- 1) Workplace exposure
- 2) Results for high amount of exposure
- 3) Results complete enough for use in metaanalysis

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

- 4) ASTHMA : lifetime, current
 - 5) MEAS : number of cigarettes, hours per day (999 indicates no upper limit)
 - 6) For overlapping studies: principal rather than subsidiary studies
- Finally 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 B2 - 1 are marked 'x' in Section -1) 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)

Appendix Table B6 - 1

Adults - Meta-analysis of Workplace Exposure : High Dose
 Lifetime/Current Asthma
 Adjusted

REF	NRR	CompB2	SEX	AST	SMOK	AGEL	AGEH	LOC	BEGYR	PUBYR	TYP	ONS	ADJ	EXPOS	UNEXsrce	EXPOS-time	UNEXTI	MEAS	LO	HI	
JAAKK3	30		x	b	c	Never	21	63	Eu:Fin	1997	2003	CC	ons	8	Work	NotWork	current	non	cigs	10	999
LARSS2	3			b	l	Never	15	64	Eu:Est	1995	2003	CS	prv	5	Work	NotWork	current	non	hours	6	999

Appendix Table B6 - 2

Adults - Meta-analysis of Workplace Exposure : High Dose
 Lifetime/Current Asthma
 Adjusted

REF	NRR	SEX	ADJ	Numbers		Non-exposed		RR	95.00%CI
				Exposed	Control	Case	Control		
JAAK3	30	b	8	12	-	184	-	2.90	(1.14- 7.34)
LARSS2	3	b	5	-	-	-	-	1.79	(1.02- 3.16)
Partial Totals				12	0	184	0		

*prospective study

REF	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
JAAK3	30	b	8	1.06	4.43	0.55	0.0250
LARSS2	3	b	5	0.58	12.02	0.20	0.0436

N 2
 NS 2

Wt 16.45
 Het Chi 0.75
 Het df 1
 Het P N.S.
 Fixed RR 2.04
 RRl 1.26
 RRu 3.31
 P ++
 Random RR 2.04
 RRl 1.26
 RRu 3.31
 P ++
 Asymm P

Appendix Table B6 - 4

Adults - Meta-analysis of Workplace Exposure : High Dose
 Lifetime/Current Asthma
 Unadjusted

REF	NRR	X	SEX	AST	SMOK	AGEL	AGEH	LOC	BEGYR	PUBYR	TYP	ONS	ADJ	EXPOS	UNEXsrce	EXPOS-time	UNEXTI	MEAS	LO	HI
JAAKK3	6	x	b	c	Never	21	63	Eu:Fin	1997	2003	CC	ons	0	Work	NotWork	current	non	cigs	10	999
LARSS2	3		b	1	Never	15	64	Eu:Est	1995	2003	CS	prv	5	Work	NotWork	current	non	hours	6	999

Appendix Table B6 - 5

Adults - Meta-analysis of Workplace Exposure : High Dose
 Lifetime/Current Asthma
 Unadjusted

REF	NRR	SEX	ADJ	Numbers		Non-exposed		RR	95.00%CI
				Exposed	Control	Case	Control		
JAAK3	6	b	0	12	12	184	415	2.26	(0.99- 5.11)
LARSS2	3	b	5	-	-	-	-	1.79	(1.02- 3.16)
Partial Totals				12	12	184	415		

*prospective study

REF	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
JAAK3	6	b	0	0.81	5.73	0.14	0.0515
LARSS2	3	b	5	0.58	12.02	0.07	0.0436

N 2
 NS 2

Wt 17.75
 Het Chi 0.21
 Het df 1
 Het P N.S.
 Fixed RR 1.93
 RRl 1.21
 RRu 3.07
 P ++
 Random RR 1.93
 RRl 1.21
 RRu 3.07
 P ++
 Asymm P

Appendix Table B7 -

Adults - Meta-analysis of Total/Household/Workplace Exposure : Low Dose
Lifetime/Current Asthma

This analysis is restricted to results for:

- 1) Total, household (overall) or workplace exposure
- 2) Results for low amount of exposure
- 3) Results complete enough for use in metaanalysis

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

- 4) ASTHMA : lifetime, current
- 5) EXPOS : total, household, workplace
- 6) MEAS : pack-years, number of cigarettes, hours per day (0 indicates <1)
- 7) For overlapping studies: principal rather than subsidiary studies

Finally 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 B1 - 1 are marked 'x' in Section -1) 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. It then 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 B7 - 1

Adults - Meta-analysis of Total/Household/Workplace Exposure : Low Dose
 Lifetime/Current Asthma
 Adjusted

REF	NRR	CompB1	SEX	AST	SMOK	AGEL	AGEH	LOC	BEGYR	PUBYR	TYP	ONS	ADJ	EXPOS	UNEXsrce	EXPOS-time	UNEXTI	MEAS	LO	HI	
JAAK3	35		x	b	c	Never	21	63	Eu:Fin	1997	2003	CC	ons	7	Hh,Wk	None	lifetime	non	pkyrs	1	49
JANSON	4			b	c	<lyr	20	48	multi	1990	2001	CS	prv	9	Hh,Wk	None	current	non	hours	1	3
LARSS2	1			b	l	Never	15	64	Eu:Est	1995	2003	CS	prv	5	Work	NotWork	current	non	hours	0	0
NG	4			f	c	<lyr	20	74	As:Sin	*	1993	CS	prv	6	Hh	NoHhMemb	lifetime	non	cigs	1	19

Appendix Table B7 - 2

Adults - Meta-analysis of Total/Household/Workplace Exposure : Low Dose
Lifetime/Current Asthma
Adjusted

REF	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
				Case	Control	Case	Control		
JAAKK3	35	b	7	26	-	104	-	0.80	(0.48- 1.36)
JANSON	4	b	9	-	-	-	-	0.99	(0.70- 1.40)
LARSS2	1	b	5	-	-	-	-	0.85	(0.54- 1.34)
NG	4	f	6	7	-	15	-	0.86	(0.34- 2.21)
Partial Totals				33	0	119	0		

*prospective study

REF	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
JAAKK3	35	b	7	-0.22	14.17	0.20	0.4010
JANSON	4	b	9	-0.01	31.98	0.28	0.9547
LARSS2	1	b	5	-0.16	18.60	0.06	0.4833
NG	4	f	6	-0.15	4.39	0.01	0.7521

N 4
NS 4

Wt 69.14
Het Chi 0.56
Het df 3
Het P N.S.
Fixed RR 0.90
RRl 0.71
RRu 1.14
P N.S.
Random RR 0.90
RRl 0.71
RRu 1.14
P N.S.
Asymm P N.S.

Appendix Table B7 - 3

Adults - Meta-analysis of Total/Household/Workplace Exposure : Low Dose
Lifetime/Current Asthma
Adjusted

	NAmer	<u>Continent</u>		Total	
		Europe	Oth/Mult		
N		2	2	4	
NS		2	2	4	
Wt		32.77	36.37	69.14	
Het Chi		0.03	0.08	0.56	
Het df		1	1	3	
Het P		N.S.	N.S.	N.S.	
Fixed RR		0.83	0.97	0.90	
RRl		0.59	0.70	0.71	
RRu		1.17	1.35	1.14	
P		N.S.	N.S.	N.S.	
Random RR		0.83	0.97	0.90	
RRl		0.59	0.70	0.71	
RRu		1.17	1.35	1.14	
P		N.S.	N.S.	N.S.	
Between Chi				0.45	
Between df				1	
Between P				N.S.	
<u>Start year of study</u>					
		<1990	1990-99	unknown	Total
N		3	1		4
NS		3	1		4
Wt		64.75	4.39		69.14
Het Chi		0.55	0.00		0.56
Het df		2	0		3
Het P		N.S.	N.S.		N.S.
Fixed RR		0.90	0.86		0.90
RRl		0.71	0.34		0.71
RRu		1.15	2.19		1.14
P		N.S.	N.S.		N.S.
Random RR		0.90	0.86		0.90
RRl		0.71	0.34		0.71
RRu		1.15	2.19		1.14
P		N.S.	N.S.		N.S.
Between Chi					0.01
Between df					1
Between P					N.S.
<u>Study type</u>					
		CC	Pr	CS	Total
N		1		3	4
NS		1		3	4
Wt	14.17			54.97	69.14
Het Chi	0.00			0.30	0.56
Het df	0			2	3
Het P	N.S.			N.S.	N.S.
Fixed RR	0.80			0.93	0.90
RRl	0.48			0.71	0.71
RRu	1.35			1.21	1.14
P	N.S.			N.S.	N.S.
Random RR	0.80			0.93	0.90
RRl	0.48			0.71	0.71
RRu	1.35			1.21	1.14
P	N.S.			N.S.	N.S.
Between Chi					0.25
Between df					1
Between P					N.S.

Appendix Table B7 - 4

Adults - Meta-analysis of Total/Household/Workplace Exposure : Low Dose
Lifetime/Current Asthma
 Unadjusted

REF	NRR	X	SEX	AST	SMOK	AGEL	AGEH	LOC	BEGYR	PUBYR	TYP	ONS	ADJ	EXPOS	UNEXsrce	EXPOS-time	UNEXTI	MEAS	LO	HI
JAAK3	11	x	b	c	Never	21	63	Eu:Fin	1997	2003	CC	ons	0	Hh,Wk	None	lifetime	non	pkys	1	49
JANSON	4		b	c	<lyr	20	48	multi	1990	2001	CS	prv	9	Hh,Wk	None	current	non	hours	1	3
LARSS2	1		b	l	Never	15	64	Eu:Est	1995	2003	CS	prv	5	Work	NotWork	current	non	hours	0	0
NG	1	x	f	c	<lyr	20	74	As:Sin	*	1993	CS	prv	0	Hh	NoHhMemb	lifetime	non	cigs	1	19

Appendix Table B7 - 5

Adults - Meta-analysis of Total/Household/Workplace Exposure : Low Dose
Lifetime/Current Asthma
Unadjusted

REF	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
				Case	Control	Case	Control		
JAAKK3	11	b	0	26	91	104	231	0.63	(0.39- 1.04)
JANSON	4	b	9	-	-	-	-	0.99	(0.70- 1.40)
LARSS2	1	b	5	-	-	-	-	0.85	(0.54- 1.34)
NG	1	f	0	7	337	15	604	0.84	(0.34- 2.07)
Partial Totals				33	428	119	835		

*prospective study

REF	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
JAAKK3	11	b	0	-0.45	15.77	1.37	0.0709
JANSON	4	b	9	-0.01	31.98	0.72	0.9547
LARSS2	1	b	5	-0.16	18.60	0.00	0.4833
NG	1	f	0	-0.18	4.67	0.00	0.6995

N 4
NS 4

Wt 71.03
Het Chi 2.09
Het df 3
Het P N.S.
Fixed RR 0.85
RRl 0.68
RRu 1.08
P N.S.
Random RR 0.85
RRl 0.68
RRu 1.08
P N.S.
Asymm P N.S.

Appendix Table B7 - 6

Adults - Meta-analysis of Total/Household/Workplace Exposure : Low Dose
Lifetime/Current Asthma
 Unadjusted

	NAmer	<u>Continent</u>		Total
		Europe	Oth/Mult	
N		2	2	4
NS		2	2	4
Wt		34.38	36.65	71.03
Het Chi		0.73	0.12	2.09
Het df		1	1	3
Het P		N.S.	N.S.	N.S.
Fixed RR		0.74	0.97	0.85
RRl		0.53	0.70	0.68
RRu		1.04	1.34	1.08
P		(-)	N.S.	N.S.
Random RR		0.74	0.97	0.85
RRl		0.53	0.70	0.68
RRu		1.04	1.34	1.08
P		(-)	N.S.	N.S.
Between Chi				1.25
Between df				1
Between P				N.S.

	N	<u>Start year of study</u>		Total
		<1990	1990-99	
NS		3	1	4
Wt		66.36	4.67	71.03
Het Chi		2.09	0.00	2.09
Het df		2	0	3
Het P		N.S.	N.S.	N.S.
Fixed RR		0.85	0.84	0.85
RRl		0.67	0.34	0.68
RRu		1.09	2.07	1.08
P		N.S.	N.S.	N.S.
Random RR		0.85	0.84	0.85
RRl		0.67	0.34	0.68
RRu		1.09	2.07	1.08
P		N.S.	N.S.	N.S.
Between Chi				0.00
Between df				1
Between P				N.S.

	N	<u>Study type</u>		Total
		CC	Pr	
NS		1	3	4
Wt		15.77	55.25	71.03
Het Chi		0.00	0.33	2.09
Het df		0	2	3
Het P		N.S.	N.S.	N.S.
Fixed RR		0.63	0.93	0.85
RRl		0.39	0.71	0.68
RRu		1.04	1.21	1.08
P		(-)	N.S.	N.S.
Random RR		0.63	0.93	0.85
RRl		0.39	0.71	0.68
RRu		1.04	1.21	1.08
P		(-)	N.S.	N.S.
Between Chi				1.76
Between df				1
Between P				N.S.

Appendix Table B7 - 7

Adults - Meta-analysis of Total/Household/Workplace Exposure : Low Dose
Lifetime/Current 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
2	BECKE2	JEDRYC	KRONQV	LARSS1	MISHRA	NHANE3	ORYSZC	PILOTT	PLATTS	RAHERI	ROBBIN	SAPALD	THORN			
	Potentially overlapping studies															
	REF	REFGP	PRINC													
	JANSON	JANSON	p													
					OVERLAP											
					JANSON/RAHERI											

Appendix Table B8 -

Adults - Meta-analysis of Total/Household/Workplace Exposure : High Dose
Lifetime/Current Asthma

This analysis is restricted to results for:

- 1) Total, household (overall) or workplace exposure
- 2) Results for high amount of exposure
- 3) Results complete enough for use in metaanalysis

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

- 4) ASTHMA : lifetime, current
 - 5) EXPOS : total, household, workplace
 - 6) MEAS : pack-years, number of cigarettes, hours per day (999 indicates no upper limit)
 - 7) For overlapping studies: principal rather than subsidiary studies
- Finally 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 B2 - 1 are marked 'x' in Section -1) 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. It then 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 B8 - 1

Adults - Meta-analysis of Total/Household/Workplace Exposure : High Dose
 Lifetime/Current Asthma
 Adjusted

REF	NRR	CompB2	SEX	AST	SMOK	AGEL	AGEH	LOC	BEGYR	PUBYR	TYP	ONS	ADJ	EXPOS	UNEXsrce	EXPOS-time	UNEXTI	MEAS	LO	HI
JAAK3	38	x	b	c	Never	21	63	Eu:Fin	1997	2003	CC	ons	7	Hh,Wk	None	lifetime	non	pkyrs	150	999
JANSON	6		b	c	<lyr	20	48	multi	1990	2001	CS	prv	9	Hh,Wk	None	current	non	hours	8	999
LARSS2	3		b	l	Never	15	64	Eu:Est	1995	2003	CS	prv	5	Work	NotWork	current	non	hours	6	999
NG	5		f	c	<lyr	20	74	As:Sin	*	1993	CS	prv	6	Hh	NoHhMemb	lifetime	non	cigs	20	999

Appendix Table B8 - 2

Adults - Meta-analysis of Total/Household/Workplace Exposure : High Dose
Lifetime/Current Asthma
 Adjusted

REF	NRR	SEX	ADJ	Numbers		Non-exposed		RR	95.00%CI
				Exposed	Control	Case	Control		
JAAKK3	38	b	7	68	-	104	-	1.84	(1.21- 2.80)
JANSON	6	b	9	-	-	-	-	1.39	(0.86- 2.25)
LARSS2	3	b	5	-	-	-	-	1.79	(1.02- 3.16)
NG	5	f	6	11	-	15	-	1.60	(0.69- 3.70)
Partial Totals				79	0	119	0		

*prospective study

REF	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
JAAKK3	38	b	7	0.61	21.83	0.23	0.0044
JANSON	6	b	9	0.33	16.61	0.52	0.1795
LARSS2	3	b	5	0.58	12.02	0.07	0.0436
NG	5	f	6	0.47	5.45	0.01	0.2726

N 4
 NS 4

Wt 55.91
 Het Chi 0.83
 Het df 3
 Het P N.S.
 Fixed RR 1.66
 RRl 1.28
 RRu 2.16
 P +++
 Random RR 1.66
 RRl 1.28
 RRu 2.16
 P +++
 Asymm P N.S.

Appendix Table B8 - 3

Adults - Meta-analysis of Total/Household/Workplace Exposure : High Dose
Lifetime/Current Asthma
 Adjusted

	N	4		
	NS	4		
	Wt	55.91		
	Het Chi	0.83		
	Het df	3		
	Het P	N.S.		
Fixed	RR	1.66		
	RRl	1.28		
	RRu	2.16		
	P	+++		
Random	RR	1.66		
	RRl	1.28		
	RRu	2.16		
	P	+++		
Asymm	P	N.S.		
			<u>Sex</u>	
	both	male	female	Total
	N	3	1	4
	NS	3	1	4
	Wt	50.46	5.45	55.91
	Het Chi	0.82	0.00	0.83
	Het df	2	0	3
	Het P	N.S.	N.S.	N.S.
Fixed	RR	1.67	1.60	1.66
	RRl	1.26	0.69	1.28
	RRu	2.20	3.71	2.16
	P	+++	N.S.	+++
Random	RR	1.67	1.60	1.66
	RRl	1.26	0.69	1.28
	RRu	2.20	3.71	2.16
	P	+++	N.S.	+++
Between	Chi			0.01
Between	df			1
Between	P			N.S.
	<u>Asthma definition (lifetime/current)</u>			
	lifetime	current	Total	
	N	1	3	4
	NS	1	3	4
	Wt	12.02	43.89	55.91
	Het Chi	0.00	0.74	0.83
	Het df	0	2	3
	Het P	N.S.	N.S.	N.S.
Fixed	RR	1.79	1.63	1.66
	RRl	1.02	1.21	1.28
	RRu	3.15	2.19	2.16
	P	+	++	+++
Random	RR	1.79	1.63	1.66
	RRl	1.02	1.21	1.28
	RRu	3.15	2.19	2.16
	P	+	++	+++
Between	Chi			0.09
Between	df			1
Between	P			N.S.

Appendix Table B8 - 3

Adults - Meta-analysis of Total/Household/Workplace Exposure : High Dose
Lifetime/Current Asthma
Adjusted

	NAmer	<u>Continent</u>		Total
		Europe	Oth/Mult	
N		2	2	4
NS		2	2	4
Wt		33.85	22.06	55.91
Het Chi		0.01	0.08	0.83
Het df		1	1	3
Het P		N.S.	N.S.	N.S.
Fixed RR		1.82	1.44	1.66
RRl		1.30	0.95	1.28
RRu		2.55	2.18	2.16
P		+++	(+)	+++
Random RR		1.82	1.44	1.66
RRl		1.30	0.95	1.28
RRu		2.55	2.18	2.16
P		+++	(+)	+++
Between Chi				0.74
Between df				1
Between P				N.S.

	N	<u>Start year of study</u>			Total
		<1990	1990-99	unknown	
N		3	1		4
NS		3	1		4
Wt		50.46	5.45		55.91
Het Chi		0.82	0.00		0.83
Het df		2	0		3
Het P		N.S.	N.S.		N.S.
Fixed RR		1.67	1.60		1.66
RRl		1.26	0.69		1.28
RRu		2.20	3.71		2.16
P		+++	N.S.		+++
Random RR		1.67	1.60		1.66
RRl		1.26	0.69		1.28
RRu		2.20	3.71		2.16
P		+++	N.S.		+++
Between Chi					0.01
Between df					1
Between P					N.S.

	N	<u>Study type</u>			Total
		CC	Pr	CS	
N		1		3	4
NS		1		3	4
Wt		21.83		34.08	55.91
Het Chi		0.00		0.45	0.83
Het df		0		2	3
Het P		N.S.		N.S.	N.S.
Fixed RR		1.84		1.55	1.66
RRl		1.21		1.11	1.28
RRu		2.80		2.17	2.16
P		++		+	+++
Random RR		1.84		1.55	1.66
RRl		1.21		1.11	1.28
RRu		2.80		2.17	2.16
P		++		+	+++
Between Chi					0.38
Between df					1
Between P					N.S.

Appendix Table B8 - 4

Adults - Meta-analysis of Total/Household/Workplace Exposure : High Dose
 Lifetime/Current Asthma
 Unadjusted

REF	NRR	X	SEX	AST	SMOK	AGEL	AGEH	LOC	BEGYR	PUBYR	TYP	ONS	ADJ	EXPOS	UNEXsrce	EXPOS-time	UNEXTI	MEAS	LO	HI
JAAK3	14	x	b	c	Never	21	63	Eu:Fin	1997	2003	CC	ons	0	Hh,Wk	None	lifetime	non	pkys	150	999
JANSON	6		b	c	<lyr	20	48	multi	1990	2001	CS	prv	9	Hh,Wk	None	current	non	hours	8	999
LARSS2	3		b	l	Never	15	64	Eu:Est	1995	2003	CS	prv	5	Work	NotWork	current	non	hours	6	999
NG	2	x	f	c	<lyr	20	74	As:Sin	*	1993	CS	prv	0	Hh	NoHhMemb	lifetime	non	cigs	20	999

Appendix Table B8 - 5

Adults - Meta-analysis of Total/Household/Workplace Exposure : High Dose
 Lifetime/Current Asthma
 Unadjusted

REF	NRR	SEX	ADJ	Numbers				RR	95.00%CI	
				Exposed		Non-exposed				
				Case	Control	Case	Control			
JAAKK3	14	b	0	68	96	104	231	1.57	(1.07-	2.32)
JANSON	6	b	9	-	-	-	-	1.39	(0.86-	2.25)
LARSS2	3	b	5	-	-	-	-	1.79	(1.02-	3.16)
NG	2	f	0	11	308	15	604	1.44	(0.65-	3.17)
Partial Totals				79	404	119	835			

*prospective study

REF	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
JAAKK3	14	b	0	0.45	25.60	0.01	0.0219
JANSON	6	b	9	0.33	16.61	0.19	0.1795
LARSS2	3	b	5	0.58	12.02	0.26	0.0436
NG	2	f	0	0.36	6.15	0.03	0.3674

N 4
 NS 4

Wt 60.38
 Het Chi 0.49
 Het df 3
 Het P N.S.
 Fixed RR 1.55
 RRl 1.20
 RRu 1.99
 P +++
 Random RR 1.55
 RRl 1.20
 RRu 1.99
 P +++
 Asymm P N.S.

Appendix Table B8 - 6

Adults - Meta-analysis of Total/Household/Workplace Exposure : High Dose
Lifetime/Current Asthma
 Unadjusted

	NAmer	<u>Continent</u>		Total
		Europe	Oth/Mult	
N		2	2	4
NS		2	2	4
Wt		37.61	22.77	60.38
Het Chi		0.14	0.01	0.49
Het df		1	1	3
Het P		N.S.	N.S.	N.S.
Fixed RR		1.64	1.40	1.55
RRl		1.19	0.93	1.20
RRu		2.26	2.12	1.99
P		++	N.S.	+++
Random RR		1.64	1.40	1.55
RRl		1.19	0.93	1.20
RRu		2.26	2.12	1.99
P		++	N.S.	+++
Between Chi				0.34
Between df				1
Between P				N.S.

	N	<u>Start year of study</u>			Total
		<1990	1990-99	unknown	
N		3	1		4
NS		3	1		4
Wt		54.23	6.15		60.38
Het Chi		0.45	0.00		0.49
Het df		2	0		3
Het P		N.S.	N.S.		N.S.
Fixed RR		1.56	1.44		1.55
RRl		1.19	0.65		1.20
RRu		2.03	3.17		1.99
P		++	N.S.		+++
Random RR		1.56	1.44		1.55
RRl		1.19	0.65		1.20
RRu		2.03	3.17		1.99
P		++	N.S.		+++
Between Chi					0.04
Between df					1
Between P					N.S.

	N	<u>Study type</u>			Total
		CC	Pr	CS	
N		1		3	4
NS		1		3	4
Wt		25.60		34.78	60.38
Het Chi		0.00		0.47	0.49
Het df		0		2	3
Het P		N.S.		N.S.	N.S.
Fixed RR		1.57		1.53	1.55
RRl		1.07		1.09	1.20
RRu		2.32		2.13	1.99
P		+		+	+++
Random RR		1.57		1.53	1.55
RRl		1.07		1.09	1.20
RRu		2.32		2.13	1.99
P		+		+	+++
Between Chi					0.01
Between df					1
Between P					N.S.

Appendix Table B8 - 7

Adults - Meta-analysis of Total/Household/Workplace Exposure : High Dose
Lifetime/Current 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
2	BECKE2	JEDRYC	KRONQV	LARSS1	MISHRA	NHANE3	ORYSZC	PILOTT	PLATTS	RAHERI	ROBBIN	SAPALD	THORN			
	Potentially overlapping studies															
	REF	REFGP	PRINC													
	JANSON	JANSON	p													
					OVERLAP											
					JANSON/RAHERI											

Appendix Table B9 -

Adults - Meta-analysis of Household Exposure : Low Dose
Lifetime/Current Asthma

This analysis is restricted to results for:

- 1) Household (overall) exposure
- 2) Results for low amount of exposure
- 3) Results complete enough for use in metaanalysis

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

- 4) ASTHMA : lifetime, current
 - 5) MEAS : pack-years, number of cigarettes, hours per day
 - 6) For overlapping studies: principal rather than subsidiary studies
- Finally 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 B3 - 1 are marked 'x' in Section -1) 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)

Appendix Table B9 - 1

Adults - Meta-analysis of Household Exposure : Low Dose
 Lifetime/Current Asthma
 Adjusted

REF	NRR	CompB3	SEX	AST	SMOK	AGEL	AGEH	LOC	BEGYR	PUBYR	TYP	ONS	ADJ	EXPOS	UNEXsrce	EXPOS-time	UNEXTI	MEAS	LO	HI	
JAAKK3	45		x	b	c	Never	21	63	Eu:Fin	1997	2003	CC	ons	8	Hh	NoHhMemb	lifetime	non	pkys	1	49
NG	4			f	c	<lyr	20	74	As:Sin	*	1993	CS	prv	6	Hh	NoHhMemb	lifetime	non	cigs	1	19

Appendix Table B9 - 2

Adults - Meta-analysis of Household Exposure : Low Dose
 Lifetime/Current Asthma
 Adjusted

REF	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI	
				Case	Control	Case	Control			
JAAK3	45	b	8	24	-	140	-	0.95	(0.55-	1.64)
NG	4	f	6	7	-	15	-	0.86	(0.34-	2.21)
Partial Totals				31	0	155	0			

*prospective study

REF	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
JAAK3	45	b	8	-0.05	12.87	0.01	0.8540
NG	4	f	6	-0.15	4.39	0.02	0.7521

N 2
 NS 2

Wt 17.26
 Het Chi 0.03
 Het df 1
 Het P N.S.
 Fixed RR 0.93
 RRl 0.58
 RRu 1.48
 P N.S.
 Random RR 0.93
 RRl 0.58
 RRu 1.48
 P N.S.
 Asymm P

Appendix Table B9 - 4

Adults - Meta-analysis of Household Exposure : Low Dose
 Lifetime/Current Asthma
 Unadjusted

REF	NRR	X	SEX	AST	SMOK	AGEL	AGEH	LOC	BEGYR	PUBYR	TYP	ONS	ADJ	EXPOS	UNEXsrce	EXPOS-time	UNEXTI	MEAS	LO	HI
JAAKK3	21	x	b	c	Never	21	63	Eu:Fin	1997	2003	CC ons	0		Hh NoHhMemb	lifetime	non pkyrs		1	49	
NG	1	x	f	c	<lyr	20	74	As:Sin	*	1993	CS prv	0		Hh NoHhMemb	lifetime	non cigs		1	19	

Appendix Table B9 - 5

Adults - Meta-analysis of Household Exposure : Low Dose
 Lifetime/Current Asthma
 Unadjusted

REF	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
				Case	Control	Case	Control		
JAAK3	21	b	0	24	66	140	293	0.76	(0.46- 1.27)
NG	1	f	0	7	337	15	604	0.84	(0.34- 2.07)
Totals				31	403	155	897		

*prospective study

REF	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
JAAK3	21	b	0	-0.27	14.84	0.01	0.2928
NG	1	f	0	-0.18	4.67	0.02	0.6995

N 2
 NS 2

Wt 19.51
 Het Chi 0.03
 Het df 1
 Het P N.S.
 Fixed RR 0.78
 RRl 0.50
 RRu 1.21
 P N.S.
 Random RR 0.78
 RRl 0.50
 RRu 1.21
 P N.S.
 Asymm P

Appendix Table B10 -

Adults - Meta-analysis of Household Exposure : High Dose
Lifetime/Current Asthma

This analysis is restricted to results for:

- 1) Household (overall) exposure
- 2) Results for high amount of exposure
- 3) Results complete enough for use in metaanalysis

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

- 4) ASTHMA : lifetime, current
 - 5) MEAS : pack-years, number of cigarettes, hours per day (999 indicates no upper limit)
 - 6) For overlapping studies: principal rather than subsidiary studies
- Finally 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 B4 - 1 are marked 'x' in Section -1) 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)

Appendix Table B10 - 1

Adults - Meta-analysis of Household Exposure : High Dose
 Lifetime/Current Asthma
 Adjusted

REF	NRR	CompB4	SEX	AST	SMOK	AGEL	AGEH	LOC	BEGYR	PUBYR	TYP	ONS	ADJ	EXPOS	UNEXsrce	EXPOS-time	UNEXTI	MEAS	LO	HI	
JAAKK3	48		x	b	c	Never	21	63	Eu:Fin	1997	2003	CC	ons	8	Hh	NoHhMemb	lifetime	non	pkyrs	150	999
NG	5			f	c	<lyr	20	74	As:Sin	*	1993	CS	prv	6	Hh	NoHhMemb	lifetime	non	cigs	20	999

Appendix Table B10 - 2

Adults - Meta-analysis of Household Exposure : High Dose
 Lifetime/Current Asthma
 Adjusted

REF	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
				Case	Control	Case	Control		
JAAK3	48	b	8	50	-	140	-	1.37	(0.87- 2.16)
NG	5	f	6	11	-	15	-	1.60	(0.69- 3.70)
Partial Totals				61	0	155	0		

*prospective study

REF	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
JAAK3	48	b	8	0.31	18.58	0.02	0.1748
NG	5	f	6	0.47	5.45	0.08	0.2726

N	2
NS	2
Wt	24.03
Het Chi	0.10
Het df	1
Het P	N.S.
Fixed RR	1.42
RRl	0.95
RRu	2.12
P	(+)
Random RR	1.42
RRl	0.95
RRu	2.12
P	(+)
Asymm P	

Appendix Table B10 - 4

Adults - Meta-analysis of Household Exposure : High Dose
 Lifetime/Current Asthma
 Unadjusted

REF	NRR	X	SEX	AST	SMOK	AGEL	AGEH	LOC	BEGYR	PUBYR	TYP	ONS	ADJ	EXPOS	UNEXsrce	EXPOS-time	UNEXTI	MEAS	LO	HI
JAAK3	24	x	b	c	Never	21	63	Eu:Fin	1997	2003	CC ons	0		Hh NoHhMemb	lifetime	non pkyrs	150	999		
NG	2	x	f	c	<lyr	20	74	As:Sin	*	1993	CS prv	0		Hh NoHhMemb	lifetime	non cigs	20	999		

Appendix Table B10 - 5

Adults - Meta-analysis of Household Exposure : High Dose
 Lifetime/Current Asthma
 Unadjusted

REF	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
				Case	Control	Case	Control		
JAAK3	24	b	0	50	69	140	293	1.52 (1.00- 2.30)
NG	2	f	0	11	308	15	604	1.44 (0.65- 3.17)
Totals				61	377	155	897		

*prospective study

REF	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
JAAK3	24	b	0	0.42	22.20	0.00	0.0498
NG	2	f	0	0.36	6.15	0.01	0.3674

N 2
 NS 2

Wt 28.35
 Het Chi 0.01
 Het df 1
 Het P N.S.
 Fixed RR 1.50
 RRl 1.04
 RRu 2.17
 P +
 Random RR 1.50
 RRl 1.04
 RRu 2.17
 P +
 Asymm P

Appendix Table B11 -

Adults - Meta-analysis of Workplace Exposure : Low Dose
Lifetime/Current Asthma

This analysis is restricted to results for:

- 1) Workplace exposure
- 2) Results for low amount of exposure
- 3) Results complete enough for use in metaanalysis

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

- 4) ASTHMA : lifetime, current
 - 5) MEAS : pack-years, number of cigarettes, hours per day (0 indicates <1)
 - 6) For overlapping studies: principal rather than subsidiary studies
- Finally 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 B5 - 1 are marked 'x' in Section -1) 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)

Appendix Table B11 - 1

Adults - Meta-analysis of Workplace Exposure : Low Dose
 Lifetime/Current Asthma
 Adjusted

REF	NRR	CompB5	SEX	AST	SMOK	AGEL	AGEH	LOC	BEGYR	PUBYR	TYP	ONS	ADJ	EXPOS	UNEXsrce	EXPOS-time	UNEXTI	MEAS	LO	HI	
JAAK3	40		x	b	c	Never	21	63	Eu:Fin	1997	2003	CC	ons	8	Work	NotWork	lifetime	non	pkys	1	49
LARSS2	1			b	l	Never	15	64	Eu:Est	1995	2003	CS	prv	5	Work	NotWork	current	non	hours	0	0

Appendix Table B11 - 2

Adults - Meta-analysis of Workplace Exposure : Low Dose
 Lifetime/Current Asthma
 Adjusted

REF	NRR	SEX	ADJ	Numbers				RR	95.00%CI	
				Exposed		Non-exposed				
				Case	Control	Case	Control			
JAAK3	40	b	8	32	-	163	-	1.17	(0.71-	1.93)
LARSS2	1	b	5	-	-	-	-	0.85	(0.54-	1.34)
Partial Totals				32	0	163	0			

*prospective study

REF	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
JAAK3	40	b	8	0.16	15.37	0.47	0.5383
LARSS2	1	b	5	-0.16	18.60	0.39	0.4833

N 2
 NS 2

Wt 33.97
 Het Chi 0.86
 Het df 1
 Het P N.S.
 Fixed RR 0.98
 RRl 0.70
 RRu 1.37
 P N.S.
 Random RR 0.98
 RRl 0.70
 RRu 1.37
 P N.S.
 Asymm P

Appendix Table B11 - 4

Adults - Meta-analysis of Workplace Exposure : Low Dose
 Lifetime/Current Asthma
 Unadjusted

REF	NRR	X	SEX	AST	SMOK	AGEL	AGEH	LOC	BEGYR	PUBYR	TYP	ONS	ADJ	EXPOS	UNEXsrce	EXPOS-time	UNEXTI	MEAS	LO	HI
JAAK3	16	x	b	c	Never	21	63	Eu:Fin	1997	2003	CC	ons	0	Work	NotWork	lifetime	non	pkyrs	1	49
LARSS2	1		b	1	Never	15	64	Eu:Est	1995	2003	CS	prv	5	Work	NotWork	current	non	hours	0	0

Appendix Table B11 - 5

Adults - Meta-analysis of Workplace Exposure : Low Dose
 Lifetime/Current Asthma
 Unadjusted

REF	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
				Case	Control	Case	Control		
JAAK3	16	b	0	32	70	163	355	1.00	(0.63- 1.57)
LARSS2	1	b	5	-	-	-	-	0.85	(0.54- 1.34)
Partial Totals				32	70	163	355		

*prospective study

REF	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
JAAK3	16	b	0	-0.00	18.35	0.12	0.9850
LARSS2	1	b	5	-0.16	18.60	0.11	0.4833

N 2
 NS 2

Wt 36.96
 Het Chi 0.23
 Het df 1
 Het P N.S.
 Fixed RR 0.92
 RRl 0.67
 RRu 1.27
 P N.S.
 Random RR 0.92
 RRl 0.67
 RRu 1.27
 P N.S.
 Asymm P

Appendix Table B12 -

Adults - Meta-analysis of Workplace Exposure : High Dose
Lifetime/Current Asthma

This analysis is restricted to results for:

- 1) Workplace exposure
- 2) Results for high amount of exposure
- 3) Results complete enough for use in metaanalysis

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

- 4) ASTHMA : lifetime, current
 - 5) MEAS : pack-years, number of cigarettes, hours per day (999 indicates no upper limit)
 - 6) For overlapping studies: principal rather than subsidiary studies
- Finally 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 B6 - 1 are marked 'x' in Section -1) 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)

Appendix Table B12 - 1

Adults - Meta-analysis of Workplace Exposure : High Dose
 Lifetime/Current Asthma
 Adjusted

REF	NRR	CompB6	SEX	AST	SMOK	AGEL	AGEH	LOC	BEGYR	PUBYR	TYP	ONS	ADJ	EXPOS	UNEXsrce	EXPOS-time	UNEXTI	MEAS	LO	HI	
JAAKK3	43		x	b	c	Never	21	63	Eu:Fin	1997	2003	CC	ons	8	Work	NotWork	lifetime	non	pkyrs	150	999
LARSS2	3			b	l	Never	15	64	Eu:Est	1995	2003	CS	prv	5	Work	NotWork	current	non	hours	6	999

Appendix Table B12 - 2

Adults - Meta-analysis of Workplace Exposure : High Dose
Lifetime/Current Asthma
 Adjusted

REF	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
				Case	Control	Case	Control		
JAAK3	43	b	8	22	-	163	-	2.21	(1.15- 4.27)
LARSS2	3	b	5	-	-	-	-	1.79	(1.02- 3.16)
Partial Totals				22	0	163	0		

*prospective study

REF	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
JAAK3	43	b	8	0.79	8.93	0.13	0.0178
LARSS2	3	b	5	0.58	12.02	0.10	0.0436

N 2
 NS 2

Wt 20.95
 Het Chi 0.23
 Het df 1
 Het P N.S.
 Fixed RR 1.96
 RRl 1.28
 RRu 3.01
 P ++
 Random RR 1.96
 RRl 1.28
 RRu 3.01
 P ++
 Asymm P

Appendix Table B12 - 4

Adults - Meta-analysis of Workplace Exposure : High Dose
 Lifetime/Current Asthma
 Unadjusted

REF	NRR	X	SEX	AST	SMOK	AGEL	AGEH	LOC	BEGYR	PUBYR	TYP	ONS	ADJ	EXPOS	UNEXsrce	EXPOS-time	UNEXTI	MEAS	LO	HI
JAAK3	19	x	b	c	Never	21	63	Eu:Fin	1997	2003	CC	ons	0	Work	NotWork	lifetime	non	pkyrs	150	999
LARSS2	3		b	1	Never	15	64	Eu:Est	1995	2003	CS	prv	5	Work	NotWork	current	non	hours	6	999

Appendix Table B12 - 5

Adults - Meta-analysis of Workplace Exposure : High Dose
 Lifetime/Current Asthma
 Unadjusted

REF	NRR	SEX	ADJ	Numbers		Non-exposed		RR	95.00%CI
				Exposed	Control	Case	Control		
JAAK3	19	b	0	22	27	163	355	1.77	(0.98- 3.21)
LARSS2	3	b	5	-	-	-	-	1.79	(1.02- 3.16)
Partial Totals				22	27	163	355		

*prospective study

REF	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
JAAK3	19	b	0	0.57	10.94	0.00	0.0579
LARSS2	3	b	5	0.58	12.02	0.00	0.0436

N	2
NS	2
Wt	22.95
Het Chi	0.00
Het df	1
Het P	N.S.
Fixed RR	1.78
RRl	1.18
RRu	2.68
P	++
Random RR	1.78
RRl	1.18
RRu	2.68
P	++
Asymm P	