

Detailed meta-analysis on ETS and Heart Disease  
Authors: P.N. Lee and B.A. Forey  
16-FEB-04

The output provides full details of a variety of meta-analyses of ETS and heart disease.

For each table, the output shows, for each individual estimate selected for the meta-analysis, the value of that estimate (RR) and its 95% confidence interval. A study may provide multiple estimates relevant to the exposure being considered in the table. Choice of which to include is governed by an order of preference based on one or more characteristics of the estimate. For example, for Table 1 (spouse or nearest equivalent) data for spousal exposure are chosen if available, otherwise household exposure, and failing that total exposure.

Tables 1-15 give information for spouse ETS exposure ever (or nearest equivalent)

1. Overall - adjusted
2. " - unadjusted
3. By sex - adjusted
4. " - unadjusted
5. By continent - adjusted
6. " - unadjusted
7. By publication year (grouped) - adjusted
8. " - unadjusted
9. By number of heart disease cases (grouped) - adjusted
10. By study type (case-control, prospective, cross-sectional) - adjusted
11. By numbers of confounders considered (grouped) - adjusted
12. By results available on dose-response - adjusted
13. By spouse the index or not - adjusted
14. By heart disease type 1 (fatal, non-fatal, both) - adjusted
15. By heart disease type 2 (IHD, MI, other, mixed) - adjusted

Tables 16-30 similarly give information for spouse ETS exposure current (or nearest equivalent), with Table 16 corresponding to Table 1, Table 17 to Table 2 and so on.

Tables 31-38 give information for workplace ETS exposure (using data for workers only if available). These tables correspond to the first 8 tables in the list of 15 above.

Tables 39 and 40 give information on total ETS exposure, for adjusted and unadjusted data.

Tables 41 and 42 give information on ETS exposure assessed by cotinine, for adjusted and unadjusted data.

Some tables for spouse ETS exposure ever (or nearest equivalent) are then repeated but excluding study Enstrom in Tables 43-50 (corresponding to Tables 1-8) and similarly for spouse ETS exposure current (or nearest equivalent) in Tables 51-58 (corresponding to Tables 16-23).

The term "relative risk" (RR) is taken to include direct estimates of the relative risks from prospective studies, and indirect estimates (odds ratios) from case-control or cross-sectional studies.

"Adjusted" implies that covariate adjusted estimates are chosen if available with unadjusted estimates used otherwise. Where the source publication provides more than one adjusted estimate, the data chosen are those adjusted for most covariates. "Unadjusted" implies that covariate unadjusted estimates are used if available with adjusted estimates used otherwise.

In all tables, estimates for males and females separately are chosen if available in preference to a combined estimate. The other variables used in selecting the estimates, and their values for each estimate chosen, are shown in the output and explained in fuller detail in the footnotes to that table. For each estimate, the table also shows:

StN	The study reference number as used in the database from which the output is produced
Ref	The study 6-letter reference on the database
NRR	The number of the estimate within that study on the database
SEX	The sex of the estimate, m = male, f = female or c = combined
ADJ	The number of adjustment factors (excluding sex) in the estimate (20 indicates adjusted for an unknown number of factors)

The estimates are shown in blocks according to the "factor" relevant to that table, e.g. sex for Table 3, continent for Table 5, etc. Note that these factors relate to the study as a whole, with the exception of sex, spouse the index, and heart disease type 1 which relate to the individual estimates.

For Tables 1, 2, 16, 17, 31, 32, 39-44, 51 and 52, which are not subdivided by factor, a second block of output gives further details regarding each estimate:

Ys	= log RR
Ws	= the weight of the study = 1/(variance Ys)
Q	= the deviation of the study estimate from the mean = $W_s (Y_s - \bar{Y})$ where $\bar{Y}$ is the mean of Ys (this is an approximate chisquared on 1 degree of freedom)
P	= the two-tailed probability value.

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For these tables, the output then shows the meta-analysis results, as follows:

N = number of estimates combined  
NS = number of studies from which estimates taken  
Wt = the sum of the individual estimate weights  
Het Chi = heterogeneity chisquared (between estimates)  
Het df = heterogeneity degrees of freedom  
Het P = heterogeneity probability value, expressed as \*\*\* p<0.01; \*\* p<0.01; \* p<0.05; (\*) p<0.1;  
NS p>= 0.1  
Fixed RR = fixed-effect meta-analysis relative risk estimate  
RRl, RRu = the corresponding lower and upper 95% confidence limits  
P = the corresponding probability value, expressed as +++, --- p<0.001; ++, -- P<0.01; +, - p<0.05;  
(+), (-) p<0.1; NS P>=0.1, with plus signs indicating significant increases and minus signs  
significant decreases  
Random RR = random-effect meta-analysis relative risk estimated, together with corresponding confidence limits  
and probability value  
AsymmP = the publication bias probability value based on Egger's test

For the other tables, this information is not only given for all the studies combined, but also by factor level. Additionally results of heterogeneity tests for variation by factor level are shown.

Between Chi = for the overall data this is the chisquared for heterogeneity, by factor level this is the contribution to the overall chisquared from the data for that level  
Between df = The degrees of freedom for the test of heterogeneity between factor levels  
Between P = Heterogeneity probability value, expressed as for Het P

The methods used for meta-analysis are described in Fleiss and Gross (1991), *Journal of Clinical Epidemiology*, 44, 127-139. Egger's test is described in Egger *et al* (1997), *BMJ*, 315, 629-634.

This document is available at [www.pnlee.co.uk](http://www.pnlee.co.uk), download LEE2004F. The results are also summarized in the following documents: download LEE2004A.pdf (which includes references to the individual studies), LEE2004B and LEE2004D.

This work was supported by the tobacco industry. The accuracy of the material presented is solely the responsibility of the authors.

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Table 1  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 Overall - adjusted

Overall

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*1	HIRAYA	6	f	s	e	f	2	1	-	-	-	-	1.16 ( 0.94- 1.43)	
*2	GARLAN	5	f	s	e	f	2	5	-	-	-	-	2.70 ( 0.63- 11.58)	
3	LEE	2	m	s	m	n	2	2	-	-	-	-	1.24 ( 0.59- 2.59)	
3	LEE	4	f	s	m	n	2	2	-	-	-	-	0.93 ( 0.54- 1.61)	
Subtotal	LEE												1.03 ( 0.66- 1.60)	
4	MARTIN	1	f	s	e	n	2	6	-	-	-	-	2.60 ( 1.20- 5.70)	
*5	SVENDS	2	m	s	c	b	2	6	-	-	-	-	1.61 ( 0.96- 2.71)	
*6	BUTLER	2	f	s	e	f	2	1	-	-	-	-	1.07 ( 0.65- 1.75)	
*8	HOLE	3	m	h	e	f	2	5	-	-	-	-	1.73 ( 1.01- 2.96)	
*8	HOLE	2	f	h	e	f	2	5	-	-	-	-	1.65 ( 0.79- 3.46)	
Subtotal	HOLE												1.70 ( 1.10- 2.63)	
9	JACKSO	4	m	h	c	b	2	2	-	-	-	-	1.06 ( 0.39- 2.91)	
9	JACKSO	2	f	h	c	b	2	2	-	-	-	-	3.74 ( 1.15- 12.19)	
Subtotal	JACKSO												1.80 ( 0.84- 3.87)	
*10	SANDLE	2	m	h	c	f	2	4	-	-	-	-	1.31 ( 1.05- 1.64)	
*10	SANDLE	4	f	h	c	f	2	4	-	-	-	-	1.19 ( 1.04- 1.36)	
Subtotal	SANDLE												1.22 ( 1.09- 1.37)	
*11	HUMBLE	1	f	s	c	f	8	4	-	-	-	-	1.59 ( 0.99- 2.57)	
12	DOBSON	4	m	h	c	b	2	2	-	-	-	-	0.97 ( 0.50- 1.86)	
12	DOBSON	2	f	h	c	b	2	2	-	-	-	-	2.46 ( 1.47- 4.13)	
Subtotal	DOBSON												1.72 ( 1.15- 2.59)	
13	LAVECC	2	m	s	e	n	2	0	9	21	55	140	1.09 ( 0.47- 2.53)	
13	LAVECC	1	f	s	e	n	2	0	32	39	11	17	1.27 ( 0.52- 3.09)	
Subtotal	LAVECC												1.17 ( 0.64- 2.16)	
14	LAYARD	2	m	s	e	f	2	2	-	-	-	-	0.97 ( 0.73- 1.28)	
14	LAYARD	10	f	s	e	f	2	2	-	-	-	-	0.99 ( 0.84- 1.16)	
Subtotal	LAYARD												0.98 ( 0.86- 1.13)	
*15	LEVOIS	1	m	s	e	f	2	2	-	-	-	-	0.97 ( 0.90- 1.05)	
*15	LEVOIS	6	f	s	e	f	2	2	-	-	-	-	1.03 ( 0.98- 1.08)	
Subtotal	LEVOIS												1.01 ( 0.97- 1.06)	
17	MUSCAT	1	m	s	e	n	2	0	20	25	48	83	1.38 ( 0.70- 2.75)	
17	MUSCAT	2	f	s	e	n	2	0	28	27	18	23	1.33 ( 0.59- 2.99)	
Subtotal	MUSCAT												1.36 ( 0.80- 2.30)	
18	TUNSTA	2	c	t	c	n	2	4	-	-	-	-	1.34 ( 1.07- 1.67)	
*19	STEENL	3	m	s	e	f	2	12	-	-	-	-	1.09 ( 0.98- 1.21)	
*19	STEENL	4	f	s	e	f	2	13	-	-	-	-	1.04 ( 0.93- 1.16)	
Subtotal	STEENL												1.07 ( 0.99- 1.15)	
20	JANGHO	1	f	s	e	n	2	0	63	100	137	300	1.38 ( 0.95- 2.01)	
*21	KAWACH	11	f	h	c	b	2	15	-	-	-	-	1.53 ( 0.81- 2.90)	
22	CIRUZZ	7	m	s	c	n	2	9	-	-	-	-	1.18 ( 0.55- 2.52)	
22	CIRUZZ	8	f	s	c	n	2	9	-	-	-	-	1.73 ( 0.89- 3.36)	
Subtotal	CIRUZZ												1.47 ( 0.89- 2.42)	
23	MCELDU	4	m	t	c	b	2	4	-	-	-	-	0.82 ( 0.55- 1.22)	
23	MCELDU	2	f	t	c	b	2	4	-	-	-	-	2.15 ( 1.18- 3.92)	
Subtotal	MCELDU												1.10 ( 0.79- 1.53)	
25	HE	2	f	s	e	n	2	6	-	-	-	-	1.60 ( 0.94- 2.90)	
26	IRIBAR	4	m	h	c	n	2	11	-	-	-	-	1.13 ( 1.00- 1.27)	
26	IRIBAR	19	f	h	c	n	2	11	-	-	-	-	1.20 ( 1.09- 1.30)	
Subtotal	IRIBAR												1.17 ( 1.09- 1.26)	
27	ROSENL	2	m	s	e	n	2	8	-	-	-	-	0.96 ( 0.64- 1.44)	
27	ROSENL	14	f	s	e	n	2	8	-	-	-	-	1.53 ( 0.95- 2.44)	
Subtotal	ROSENL												1.17 ( 0.86- 1.59)	
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33 ( 0.89- 1.99)	
29	CHEN	10	c	h	c	n	2	20	-	-	-	-	1.20 ( 0.70- 2.20)	
*30	ENSTRO	16	m	s	e	f	2	8	-	-	-	-	0.93 ( 0.83- 1.04)	
*30	ENSTRO	32	f	s	e	f	2	8	-	-	-	-	0.99 ( 0.92- 1.08)	
Subtotal	ENSTRO												0.97 ( 0.91- 1.03)	
Partial Totals									152	212	269	563		
*prospective study														

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 1  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 Overall - adjusted

Overall

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Ys	Ws	Qs	Ps
*1	HIRAYA	6	f	s	e	f	2	1	0.15	87.29	0.62	0.1655
*2	GARLAN	5	f	s	e	f	2	5	0.99	1.81	1.57	0.1811
3	LEE	2	m	s	m	n	2	2	0.22	7.02	0.16	0.5687
3	LEE	4	f	s	m	n	2	2	-0.07	12.88	0.24	0.7946
Subtotal	LEE								0.01	19.90	0.40	
4	MARTIN	1	f	s	e	n	2	6	0.96	6.33	5.03	0.0162
*5	SVENDS	2	m	s	c	b	2	6	0.48	14.27	2.42	0.0720
*6	BUTLER	2	f	s	e	f	2	1	0.07	15.67	0.00	0.7889
*8	HOLE	3	m	h	e	f	2	5	0.55	13.29	3.11	0.0457
*8	HOLE	2	f	h	e	f	2	5	0.50	7.04	1.34	0.1838
Subtotal	HOLE								0.92	20.33	4.46	
9	JACKSO	4	m	h	c	b	2	2	0.06	3.80	0.00	0.9095
9	JACKSO	2	f	h	c	b	2	2	1.32	2.76	4.34	0.0285
Subtotal	JACKSO								1.25	6.56	4.34	
*10	SANDLE	2	m	h	c	f	2	4	0.27	77.28	3.28	0.0176
*10	SANDLE	4	f	h	c	f	2	4	0.17	213.52	2.58	0.0110
Subtotal	SANDLE								0.32	290.80	5.86	
*11	HUMBLE	1	f	s	c	f	8	4	0.46	16.88	2.70	0.0567
12	DOBSON	4	m	h	c	b	2	2	-0.03	8.90	0.08	0.9276
12	DOBSON	2	f	h	c	b	2	2	0.90	14.40	10.07	0.0006
Subtotal	DOBSON								0.74	23.30	10.15	
13	LAVECC	2	m	s	e	n	2	0	0.09	5.43	0.00	0.8393
13	LAVECC	1	f	s	e	n	2	0	0.24	4.84	0.15	0.6013
Subtotal	LAVECC								0.20	10.27	0.15	
14	LAYARD	2	m	s	e	f	2	2	-0.03	48.72	0.43	0.8316
14	LAYARD	10	f	s	e	f	2	2	-0.01	147.49	0.81	0.9029
Subtotal	LAYARD								-0.17	196.21	1.24	
*15	LEVOIS	1	m	s	e	f	2	2	-0.03	646.64	5.77	0.4386
*15	LEVOIS	6	f	s	e	f	2	2	0.03	1627.60	1.93	0.2331
Subtotal	LEVOIS								-0.13	2274.24	7.70	
17	MUSCAT	1	m	s	e	n	2	0	0.32	8.14	0.55	0.3546
17	MUSCAT	2	f	s	e	n	2	0	0.28	5.82	0.28	0.4970
Subtotal	MUSCAT								0.48	13.96	0.83	
18	TUNSTA	2	c	t	c	n	2	4	0.29	77.54	4.05	0.0100
*19	STEENL	3	m	s	e	f	2	12	0.09	345.72	0.17	0.1091
*19	STEENL	4	f	s	e	f	2	13	0.04	314.64	0.19	0.4866
Subtotal	STEENL								-0.00	660.35	0.36	
20	JANGHO	1	f	s	e	n	2	0	0.32	27.39	1.82	0.0922
*21	KAWACH	11	f	h	c	b	2	15	0.43	9.45	1.23	0.1912
22	CIRUZZ	7	m	s	c	n	2	9	0.17	6.63	0.07	0.6699
22	CIRUZZ	8	f	s	c	n	2	9	0.55	8.71	2.04	0.1058
Subtotal	CIRUZZ								0.59	15.34	2.11	
23	MCELDU	4	m	t	c	b	2	4	-0.20	24.21	1.67	0.3288
23	MCELDU	2	f	t	c	b	2	4	0.77	10.66	5.25	0.0124
Subtotal	MCELDU								0.44	34.87	6.91	
25	HE	2	f	s	e	n	2	6	0.47	12.11	2.00	0.1020
26	IRIBAR	4	m	h	c	n	2	11	0.12	268.97	0.91	0.0450
26	IRIBAR	19	f	h	c	n	2	11	0.18	495.01	6.93	0.0000
Subtotal	IRIBAR								0.18	763.97	7.84	
27	ROSENL	2	m	s	e	n	2	8	-0.04	23.37	0.26	0.8436
27	ROSENL	14	f	s	e	n	2	8	0.43	17.27	2.25	0.0772
Subtotal	ROSENL								0.26	40.64	2.51	
28	PITSAV	9	c	h	c	n	a	6	0.29	23.73	1.16	0.1648
29	CHEN	10	c	h	c	n	2	20	0.18	11.72	0.16	0.5326
*30	ENSTRO	16	m	s	e	f	2	8	-0.07	302.04	5.63	0.2072
*30	ENSTRO	32	f	s	e	f	2	8	-0.01	597.66	3.28	0.8059
Subtotal	ENSTRO								-0.21	899.71	8.91	

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 Within each study, results are included (in the following order of preference) for:  
 1) EXP Exposure = spouse (s), household (h), total (t)  
 2) TIM Time of exposure = ever (e), during marriage (m), current (c)  
 3) TYP Disease type = both (b), fatal (f), non-fatal (n)  
 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 1  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 Overall - adjusted

Relative risks

	N	42
	NS	27
	Wt	5574.64
Het	Chi	86.55
Het	df	41
Het	P	***
Fixed	RR	1.07
	RRl	1.04
	RRu	1.09
	P	+++
Random	RR	1.14
	RRl	1.07
	RRu	1.20
	P	+++
Asymm	P	***

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 Within each study, results are included (in the following order of preference) for:  
 1) EXP Exposure = spouse (s), household (h), total (t)  
 2) TIM Time of exposure = ever (e), during marriage (m), current (c)  
 3) TYP Disease type = both (b), fatal (f), non-fatal (n)  
 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 2  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 Overall - unadjusted

Overall

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI	
									Case	Cont	Case	Cont			
*1	HIRAYA	3	f	s	e	f	2	0	376	69645	118	21895	1.00	( 0.82-	1.23)
*2	GARLAN	1	f	s	e	f	2	0	17	492	2	203	3.51	( 0.82-	15.04)
3	LEE	1	m	s	m	n	2	0	15	40	26	93	1.34	( 0.64-	2.80)
3	LEE	3	f	s	m	n	2	0	55	229	22	89	0.97	( 0.56-	1.69)
Subtotal LEE													1.09	( 0.70-	1.70)
4	MARTIN	1	f	s	e	n	2	6	-	-	-	-	2.60	( 1.20-	5.70)
*5	SVENDS	1	m	s	c	b	2	0	21	286	48	959	1.47	( 0.89-	2.41)
*6	BUTLER	1	f	s	e	f	2	0	20	10579	60	43052	1.36	( 0.82-	2.25)
*8	HOLE	3	m	h	e	f	2	5	-	-	-	-	1.73	( 1.01-	2.96)
*8	HOLE	2	f	h	e	f	2	5	-	-	-	-	1.65	( 0.79-	3.46)
Subtotal HOLE													1.70	( 1.10-	2.63)
9	JACKSO	3	m	h	c	b	2	0	-	-	-	-	1.10	( 0.40-	3.00)
9	JACKSO	1	f	h	c	b	2	0	-	-	-	-	4.00	( 1.35-	13.10)
Subtotal JACKSO													1.94	( 0.91-	4.13)
*10	SANDLE	1	m	h	c	f	2	0	122	1248	248	2914	1.15	( 0.93-	1.41)
*10	SANDLE	3	f	h	c	f	2	0	551	9551	437	5322	0.70	( 0.62-	0.79)
Subtotal SANDLE													0.80	( 0.72-	0.88)
*11	HUMBLE	1	f	s	c	f	8	4	-	-	-	-	1.59	( 0.99-	2.57)
12	DOBSON	3	m	h	c	b	2	0	22	34	161	259	1.04	( 0.59-	1.84)
12	DOBSON	1	f	h	c	b	2	0	43	99	117	433	1.61	( 1.06-	2.43)
Subtotal DOBSON													1.39	( 0.99-	1.93)
13	LAVECC	2	m	s	e	n	2	0	9	21	55	140	1.09	( 0.47-	2.53)
13	LAVECC	1	f	s	e	n	2	0	32	39	11	17	1.27	( 0.52-	3.09)
Subtotal LAVECC													1.17	( 0.64-	2.16)
14	LAYARD	1	m	s	e	f	2	0	97	215	378	783	0.93	( 0.71-	1.22)
14	LAYARD	9	f	s	e	f	2	0	455	961	459	969	1.00	( 0.85-	1.17)
Subtotal LAYARD													0.98	( 0.86-	1.13)
*15	LEVOIS	1	m	s	e	f	2	2	-	-	-	-	0.97	( 0.90-	1.05)
*15	LEVOIS	6	f	s	e	f	2	2	-	-	-	-	1.03	( 0.98-	1.08)
Subtotal LEVOIS													1.01	( 0.97-	1.06)
17	MUSCAT	1	m	s	e	n	2	0	20	25	48	83	1.38	( 0.70-	2.75)
17	MUSCAT	2	f	s	e	n	2	0	28	27	18	23	1.33	( 0.59-	2.99)
Subtotal MUSCAT													1.36	( 0.80-	2.30)
18	TUNSTA	1	c	t	c	n	2	0	329	1216	99	483	1.32	( 1.03-	1.69)
*19	STEENL	3	m	s	e	f	2	12	-	-	-	-	1.09	( 0.98-	1.21)
*19	STEENL	4	f	s	e	f	2	13	-	-	-	-	1.04	( 0.93-	1.16)
Subtotal STEENL													1.07	( 0.99-	1.15)
20	JANGHO	1	f	s	e	n	2	0	63	100	137	300	1.38	( 0.95-	2.01)
*21	KAWACH	11	f	h	c	b	2	15	-	-	-	-	1.53	( 0.81-	2.90)
22	CIRUZZ	5	m	s	c	n	2	0	15	22	141	206	1.00	( 0.50-	1.99)
22	CIRUZZ	6	f	s	c	n	2	0	29	25	151	193	1.48	( 0.83-	2.64)
Subtotal CIRUZZ													1.26	( 0.81-	1.96)
23	MCELDU	3	m	t	c	b	2	0	53	172	145	373	0.79	( 0.55-	1.14)
23	MCELDU	1	f	t	c	b	2	0	31	147	54	479	1.87	( 1.16-	3.02)
Subtotal MCELDU													1.08	( 0.81-	1.45)
25	HE	1	f	s	e	n	2	0	76	95	39	113	2.32	( 1.44-	3.72)
26	IRIBAR	4	m	h	c	n	2	11	-	-	-	-	1.13	( 1.00-	1.27)
26	IRIBAR	19	f	h	c	n	2	11	-	-	-	-	1.20	( 1.09-	1.30)
Subtotal IRIBAR													1.17	( 1.09-	1.26)
27	ROSENL	1	m	s	e	n	2	0	53	113	141	285	0.95	( 0.65-	1.39)
27	ROSENL	13	f	s	e	n	2	0	65	119	59	144	1.33	( 0.87-	2.05)
Subtotal ROSENL													1.10	( 0.83-	1.47)
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89-	1.99)
29	CHEN	10	c	h	c	n	2	20	-	-	-	-	1.20	( 0.70-	2.20)
*30	ENSTRO	8	m	s	e	f	2	1	-	-	-	-	0.94	( 0.85-	1.05)
*30	ENSTRO	24	f	s	e	f	2	1	-	-	-	-	1.01	( 0.94-	1.08)
Subtotal ENSTRO													0.99	( 0.93-	1.05)
Partial Totals									2597	95500	3174	79810			
*prospective study															

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 2  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 Overall - unadjusted

Overall

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Ys	Ws	Qs	Ps
*1	HIRAYA	3	f	s	e	f	2	0	0.00	90.30	0.12	0.9867
*2	GARLAN	1	f	s	e	f	2	0	1.25	1.81	2.68	0.0912
3	LEE	1	m	s	m	n	2	0	0.29	7.10	0.46	0.4340
3	LEE	3	f	s	m	n	2	0	-0.03	12.62	0.06	0.9185
Subtotal	LEE								0.19	19.72	0.52	
4	MARTIN	1	f	s	e	n	2	6	0.96	6.33	5.33	0.0162
*5	SVENDS	1	m	s	c	b	2	0	0.38	15.65	1.87	0.1296
*6	BUTLER	1	f	s	e	f	2	0	0.30	15.03	1.07	0.2372
*8	HOLE	3	m	h	e	f	2	5	0.55	13.29	3.46	0.0457
*8	HOLE	2	f	h	e	f	2	5	0.50	7.04	1.51	0.1838
Subtotal	HOLE								0.97	20.33	4.97	
9	JACKSO	3	m	h	c	b	2	0	0.10	3.78	0.01	0.8529
9	JACKSO	1	f	h	c	b	2	0	1.39	2.98	5.41	0.0168
Subtotal	JACKSO								1.41	6.76	5.42	
*10	SANDLE	1	m	h	c	f	2	0	0.14	90.22	0.92	0.1881
*10	SANDLE	3	f	h	c	f	2	0	-0.35	262.43	40.09	0.0000
Subtotal	SANDLE								-0.29	352.64	41.00	
*11	HUMBLE	1	f	s	c	f	8	4	0.46	16.88	3.06	0.0567
12	DOBSON	3	m	h	c	b	2	0	0.04	11.77	0.00	0.8905
12	DOBSON	1	f	h	c	b	2	0	0.47	22.62	4.32	0.0240
Subtotal	DOBSON								0.44	34.39	4.32	
13	LAVECC	2	m	s	e	n	2	0	0.09	5.43	0.01	0.8393
13	LAVECC	1	f	s	e	n	2	0	0.24	4.84	0.19	0.6013
Subtotal	LAVECC								0.25	10.27	0.21	
14	LAYARD	1	m	s	e	f	2	0	-0.07	52.96	0.59	0.6223
14	LAYARD	9	f	s	e	f	2	0	-0.00	155.06	0.23	0.9954
Subtotal	LAYARD								-0.14	208.02	0.82	
*15	LEVOIS	1	m	s	e	f	2	2	-0.03	646.64	3.02	0.4386
*15	LEVOIS	6	f	s	e	f	2	2	0.03	1627.60	0.11	0.2331
Subtotal	LEVOIS								-0.08	2274.24	3.13	
17	MUSCAT	1	m	s	e	n	2	0	0.32	8.14	0.67	0.3546
17	MUSCAT	2	f	s	e	n	2	0	0.28	5.82	0.35	0.4970
Subtotal	MUSCAT								0.53	13.96	1.01	
18	TUNSTA	1	c	t	c	n	2	0	0.28	62.37	3.59	0.0283
*19	STEENL	3	m	s	e	f	2	12	0.09	345.72	0.81	0.1091
*19	STEENL	4	f	s	e	f	2	13	0.04	314.64	0.00	0.4866
Subtotal	STEENL								0.05	660.35	0.81	
20	JANGHO	1	f	s	e	n	2	0	0.32	27.39	2.21	0.0922
*21	KAWACH	11	f	h	c	b	2	15	0.43	9.45	1.42	0.1912
22	CIRUZZ	5	m	s	c	n	2	0	-0.00	8.06	0.01	0.9912
22	CIRUZZ	6	f	s	c	n	2	0	0.39	11.59	1.47	0.1800
Subtotal	CIRUZZ								0.31	19.65	1.48	
23	MCELDU	3	m	t	c	b	2	0	-0.23	29.19	2.13	0.2093
23	MCELDU	1	f	t	c	b	2	0	0.63	16.76	5.80	0.0104
Subtotal	MCELDU								0.32	45.95	7.93	
25	HE	1	f	s	e	n	2	0	0.84	17.19	11.08	0.0005
26	IRIBAR	4	m	h	c	n	2	11	0.12	268.97	1.91	0.0450
26	IRIBAR	19	f	h	c	n	2	11	0.18	495.01	10.33	0.0000
Subtotal	IRIBAR								0.23	763.97	12.25	
27	ROSENL	1	m	s	e	n	2	0	-0.05	26.10	0.22	0.7851
27	ROSENL	13	f	s	e	n	2	0	0.29	20.97	1.31	0.1879
Subtotal	ROSENL								0.16	47.07	1.52	
28	PITSAV	9	c	h	c	n	a	6	0.29	23.73	1.45	0.1648
29	CHEN	10	c	h	c	n	2	20	0.18	11.72	0.24	0.5326
*30	ENSTRO	8	m	s	e	f	2	1	-0.06	344.13	3.42	0.2510
*30	ENSTRO	24	f	s	e	f	2	1	0.01	797.17	0.62	0.7788
Subtotal	ENSTRO								-0.13	1141.29	4.04	

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 Within each study, results are included (in the following order of preference) for:  
 1) EXP Exposure = spouse (s), household (h), total (t)  
 2) TIM Time of exposure = ever (e), during marriage (m), current (c)  
 3) TYP Disease type = both (b), fatal (f), non-fatal (n)  
 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 2  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 Overall - unadjusted

Relative risks

	N	42
	NS	27
	Wt	5916.47
Het	Chi	123.56
Het	df	41
Het	P	***
Fixed	RR	1.04
	RRl	1.01
	RRu	1.07
	P	++
Random	RR	1.12
	RRl	1.05
	RRu	1.19
	P	+++
Asymm	P	**

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 Within each study, results are included (in the following order of preference) for:  
 1) EXP Exposure = spouse (s), household (h), total (t)  
 2) TIM Time of exposure = ever (e), during marriage (m), current (c)  
 3) TYP Disease type = both (b), fatal (f), non-fatal (n)  
 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)



Table 3  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 By sex - adjusted

combined

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
18	TUNSTA	2	c	t	c	n	2	4	-	-	-	-	1.34	( 1.07- 1.67)
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
29	CHEN	10	c	h	c	n	2	20	-	-	-	-	1.20	( 0.70- 2.20)
Partial Totals									0	0	0	0		

\*prospective study

male

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
3	LEE	2	m	s	m	n	2	2	-	-	-	-	1.24	( 0.59- 2.59)
*5	SVENDS	2	m	s	c	b	2	6	-	-	-	-	1.61	( 0.96- 2.71)
*8	HOLE	3	m	h	e	f	2	5	-	-	-	-	1.73	( 1.01- 2.96)
9	JACKSO	4	m	h	c	b	2	2	-	-	-	-	1.06	( 0.39- 2.91)
*10	SANDLE	2	m	h	c	f	2	4	-	-	-	-	1.31	( 1.05- 1.64)
12	DOBSON	4	m	h	c	b	2	2	-	-	-	-	0.97	( 0.50- 1.86)
13	LAVECC	2	m	s	e	n	2	0	9	21	55	140	1.09	( 0.47- 2.53)
14	LAYARD	2	m	s	e	f	2	2	-	-	-	-	0.97	( 0.73- 1.28)
*15	LEVOIS	1	m	s	e	f	2	2	-	-	-	-	0.97	( 0.90- 1.05)
17	MUSCAT	1	m	s	e	n	2	0	20	25	48	83	1.38	( 0.70- 2.75)
*19	STEENL	3	m	s	e	f	2	12	-	-	-	-	1.09	( 0.98- 1.21)
22	CIRUZZ	7	m	s	c	n	2	9	-	-	-	-	1.18	( 0.55- 2.52)
23	MCELDU	4	m	t	c	b	2	4	-	-	-	-	0.82	( 0.55- 1.22)
26	IRIBAR	4	m	h	c	n	2	11	-	-	-	-	1.13	( 1.00- 1.27)
27	ROSENL	2	m	s	e	n	2	8	-	-	-	-	0.96	( 0.64- 1.44)
*30	ENSTRO	16	m	s	e	f	2	8	-	-	-	-	0.93	( 0.83- 1.04)
Partial Totals									29	46	103	223		

\*prospective study

female

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*1	HIRAYA	6	f	s	e	f	2	1	-	-	-	-	1.16	( 0.94- 1.43)
*2	GARLAN	5	f	s	e	f	2	5	-	-	-	-	2.70	( 0.63- 11.58)
3	LEE	4	f	s	m	n	2	2	-	-	-	-	0.93	( 0.54- 1.61)
4	MARTIN	1	f	s	e	n	2	6	-	-	-	-	2.60	( 1.20- 5.70)
*6	BUTLER	2	f	s	e	f	2	1	-	-	-	-	1.07	( 0.65- 1.75)
*8	HOLE	2	f	h	e	f	2	5	-	-	-	-	1.65	( 0.79- 3.46)
9	JACKSO	2	f	h	c	b	2	2	-	-	-	-	3.74	( 1.15- 12.19)
*10	SANDLE	4	f	h	c	f	2	4	-	-	-	-	1.19	( 1.04- 1.36)
*11	HUMBLE	1	f	s	c	f	8	4	-	-	-	-	1.59	( 0.99- 2.57)
12	DOBSON	2	f	h	c	b	2	2	-	-	-	-	2.46	( 1.47- 4.13)
13	LAVECC	1	f	s	e	n	2	0	32	39	11	17	1.27	( 0.52- 3.09)
14	LAYARD	10	f	s	e	f	2	2	-	-	-	-	0.99	( 0.84- 1.16)
*15	LEVOIS	6	f	s	e	f	2	2	-	-	-	-	1.03	( 0.98- 1.08)
17	MUSCAT	2	f	s	e	n	2	0	28	27	18	23	1.33	( 0.59- 2.99)
*19	STEENL	4	f	s	e	f	2	13	-	-	-	-	1.04	( 0.93- 1.16)
20	JANGHO	1	f	s	e	n	2	0	63	100	137	300	1.38	( 0.95- 2.01)
*21	KAWACH	11	f	h	c	b	2	15	-	-	-	-	1.53	( 0.81- 2.90)
22	CIRUZZ	8	f	s	c	n	2	9	-	-	-	-	1.73	( 0.89- 3.36)
23	MCELDU	2	f	t	c	b	2	4	-	-	-	-	2.15	( 1.18- 3.92)
25	HE	2	f	s	e	n	2	6	-	-	-	-	1.60	( 0.94- 2.90)
26	IRIBAR	19	f	h	c	n	2	11	-	-	-	-	1.20	( 1.09- 1.30)
27	ROSENL	14	f	s	e	n	2	8	-	-	-	-	1.53	( 0.95- 2.44)
*30	ENSTRO	32	f	s	e	f	2	8	-	-	-	-	0.99	( 0.92- 1.08)
Partial Totals									123	166	166	340		

\*prospective study

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 3  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 By sex - adjusted

	combined	male	female	Total
Relative risks				
N	3	16	23	42
NS	3	16	23	42
Wt	112.99	1804.44	3657.21	5574.64
Het Chi	0.12	22.46	56.27	86.55
Het df	2	15	22	41
Het P	N.S.	(*)	***	***
Fixed RR	1.32	1.03	1.08	1.07
RRl	1.10	0.98	1.04	1.04
RRu	1.59	1.08	1.11	1.09
P	++	N.S.	+++	+++
Random RR	1.32	1.06	1.19	1.14
RRl	1.10	0.98	1.09	1.07
RRu	1.59	1.14	1.29	1.20
P	++	N.S.	+++	+++
Asymm P	N.S.	N.S.	***	***
Between Chi		6.62	4.63	7.69
Between df		1	1	2
Between P		-	-	*

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 4  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 By sex - unadjusted

combined

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
18	TUNSTA	1	c	t	c	n	2	0	329	1216	99	483	1.32	( 1.03- 1.69)
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
29	CHEN	10	c	h	c	n	2	20	-	-	-	-	1.20	( 0.70- 2.20)
Partial Totals									329	1216	99	483		

\*prospective study

male

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
3	LEE	1	m	s	m	n	2	0	15	40	26	93	1.34	( 0.64- 2.80)
*5	SVENDS	1	m	s	c	b	2	0	21	286	48	959	1.47	( 0.89- 2.41)
*8	HOLE	3	m	h	e	f	2	5	-	-	-	-	1.73	( 1.01- 2.96)
9	JACKSO	3	m	h	c	b	2	0	-	-	-	-	1.10	( 0.40- 3.00)
*10	SANDLE	1	m	h	c	f	2	0	122	1248	248	2914	1.15	( 0.93- 1.41)
12	DOBSON	3	m	h	c	b	2	0	22	34	161	259	1.04	( 0.59- 1.84)
13	LAVECC	2	m	s	e	n	2	0	9	21	55	140	1.09	( 0.47- 2.53)
14	LAYARD	1	m	s	e	f	2	0	97	215	378	783	0.93	( 0.71- 1.22)
*15	LEVOIS	1	m	s	e	f	2	2	-	-	-	-	0.97	( 0.90- 1.05)
17	MUSCAT	1	m	s	e	n	2	0	20	25	48	83	1.38	( 0.70- 2.75)
*19	STEENL	3	m	s	e	f	2	12	-	-	-	-	1.09	( 0.98- 1.21)
22	CIRUZZ	5	m	s	c	n	2	0	15	22	141	206	1.00	( 0.50- 1.99)
23	MCELDU	3	m	t	c	b	2	0	53	172	145	373	0.79	( 0.55- 1.14)
26	IRIBAR	4	m	h	c	n	2	11	-	-	-	-	1.13	( 1.00- 1.27)
27	ROSENL	1	m	s	e	n	2	0	53	113	141	285	0.95	( 0.65- 1.39)
*30	ENSTRO	8	m	s	e	f	2	1	-	-	-	-	0.94	( 0.85- 1.05)
Partial Totals									427	2176	1391	6095		

\*prospective study

female

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*1	HIRAYA	3	f	s	e	f	2	0	376	69645	118	21895	1.00	( 0.82- 1.23)
*2	GARLAN	1	f	s	e	f	2	0	17	492	2	203	3.51	( 0.82- 15.04)
3	LEE	3	f	s	m	n	2	0	55	229	22	89	0.97	( 0.56- 1.69)
4	MARTIN	1	f	s	e	n	2	6	-	-	-	-	2.60	( 1.20- 5.70)
*6	BUTLER	1	f	s	e	f	2	0	20	10579	60	43052	1.36	( 0.82- 2.25)
*8	HOLE	2	f	h	e	f	2	5	-	-	-	-	1.65	( 0.79- 3.46)
9	JACKSO	1	f	h	c	b	2	0	-	-	-	-	4.00	( 1.35- 13.10)
*10	SANDLE	3	f	h	c	f	2	0	551	9551	437	5322	0.70	( 0.62- 0.79)
*11	HUMBLE	1	f	s	c	f	8	4	-	-	-	-	1.59	( 0.99- 2.57)
12	DOBSON	1	f	h	c	b	2	0	43	99	117	433	1.61	( 1.06- 2.43)
13	LAVECC	1	f	s	e	n	2	0	32	39	11	17	1.27	( 0.52- 3.09)
14	LAYARD	9	f	s	e	f	2	0	455	961	459	969	1.00	( 0.85- 1.17)
*15	LEVOIS	6	f	s	e	f	2	2	-	-	-	-	1.03	( 0.98- 1.08)
17	MUSCAT	2	f	s	e	n	2	0	28	27	18	23	1.33	( 0.59- 2.99)
*19	STEENL	4	f	s	e	f	2	13	-	-	-	-	1.04	( 0.93- 1.16)
20	JANGHO	1	f	s	e	n	2	0	63	100	137	300	1.38	( 0.95- 2.01)
*21	KAWACH	11	f	h	c	b	2	15	-	-	-	-	1.53	( 0.81- 2.90)
22	CIRUZZ	6	f	s	c	n	2	0	29	25	151	193	1.48	( 0.83- 2.64)
23	MCELDU	1	f	t	c	b	2	0	31	147	54	479	1.87	( 1.16- 3.02)
25	HE	1	f	s	e	n	2	0	76	95	39	113	2.32	( 1.44- 3.72)
26	IRIBAR	19	f	h	c	n	2	11	-	-	-	-	1.20	( 1.09- 1.30)
27	ROSENL	13	f	s	e	n	2	0	65	119	59	144	1.33	( 0.87- 2.05)
*30	ENSTRO	24	f	s	e	f	2	1	-	-	-	-	1.01	( 0.94- 1.08)
Partial Totals									1841	92108	1684	73232		

\*prospective study

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 4  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 By sex - unadjusted

	combined	male	female	Total
Relative risks				
N	3	16	23	42
NS	3	16	23	42
Wt	97.82	1877.14	3941.51	5916.47
Het Chi	0.10	19.06	98.75	123.56
Het df	2	15	22	41
Het P	N.S.	N.S.	***	***
Fixed RR	1.31	1.02	1.04	1.04
RRl	1.07	0.98	1.01	1.01
RRu	1.59	1.07	1.07	1.07
P	++	N.S.	+	++
Random RR	1.31	1.04	1.18	1.12
RRl	1.07	0.97	1.07	1.05
RRu	1.59	1.10	1.30	1.19
P	++	N.S.	++	+++
Asymm P	N.S.	N.S.	*	**
Between Chi		5.62	4.98	5.65
Between df		1	1	2
Between P		-	-	(*)

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 5  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 By continent - adjusted

NAmerica

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*2	GARLAN	5	f	s	e	f	2	5	-	-	-	-	2.70	( 0.63- 11.58)
4	MARTIN	1	f	s	e	n	2	6	-	-	-	-	2.60	( 1.20- 5.70)
*5	SVENDS	2	m	s	c	b	2	6	-	-	-	-	1.61	( 0.96- 2.71)
*6	BUTLER	2	f	s	e	f	2	1	-	-	-	-	1.07	( 0.65- 1.75)
*10	SANDLE	2	m	h	c	f	2	4	-	-	-	-	1.31	( 1.05- 1.64)
*10	SANDLE	4	f	h	c	f	2	4	-	-	-	-	1.19	( 1.04- 1.36)
Subtotal	SANDLE												1.22	( 1.09- 1.37)
*11	HUMBLE	1	f	s	c	f	8	4	-	-	-	-	1.59	( 0.99- 2.57)
14	LAYARD	2	m	s	e	f	2	2	-	-	-	-	0.97	( 0.73- 1.28)
14	LAYARD	10	f	s	e	f	2	2	-	-	-	-	0.99	( 0.84- 1.16)
Subtotal	LAYARD												0.98	( 0.86- 1.13)
*15	LEVOIS	1	m	s	e	f	2	2	-	-	-	-	0.97	( 0.90- 1.05)
*15	LEVOIS	6	f	s	e	f	2	2	-	-	-	-	1.03	( 0.98- 1.08)
Subtotal	LEVOIS												1.01	( 0.97- 1.06)
17	MUSCAT	1	m	s	e	n	2	0	20	25	48	83	1.38	( 0.70- 2.75)
17	MUSCAT	2	f	s	e	n	2	0	28	27	18	23	1.33	( 0.59- 2.99)
Subtotal	MUSCAT												1.36	( 0.80- 2.30)
*19	STEENL	3	m	s	e	f	2	12	-	-	-	-	1.09	( 0.98- 1.21)
*19	STEENL	4	f	s	e	f	2	13	-	-	-	-	1.04	( 0.93- 1.16)
Subtotal	STEENL												1.07	( 0.99- 1.15)
*21	KAWACH	11	f	h	c	b	2	15	-	-	-	-	1.53	( 0.81- 2.90)
26	IRIBAR	4	m	h	c	n	2	11	-	-	-	-	1.13	( 1.00- 1.27)
26	IRIBAR	19	f	h	c	n	2	11	-	-	-	-	1.20	( 1.09- 1.30)
Subtotal	IRIBAR												1.17	( 1.09- 1.26)
*30	ENSTRO	16	m	s	e	f	2	8	-	-	-	-	0.93	( 0.83- 1.04)
*30	ENSTRO	32	f	s	e	f	2	8	-	-	-	-	0.99	( 0.92- 1.08)
Subtotal	ENSTRO												0.97	( 0.91- 1.03)
Partial Totals									48	52	66	106		
*prospective study														

Europe

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
3	LEE	2	m	s	m	n	2	2	-	-	-	-	1.24	( 0.59- 2.59)
3	LEE	4	f	s	m	n	2	2	-	-	-	-	0.93	( 0.54- 1.61)
Subtotal	LEE												1.03	( 0.66- 1.60)
*8	HOLE	3	m	h	e	f	2	5	-	-	-	-	1.73	( 1.01- 2.96)
*8	HOLE	2	f	h	e	f	2	5	-	-	-	-	1.65	( 0.79- 3.46)
Subtotal	HOLE												1.70	( 1.10- 2.63)
13	LAVECC	2	m	s	e	n	2	0	9	21	55	140	1.09	( 0.47- 2.53)
13	LAVECC	1	f	s	e	n	2	0	32	39	11	17	1.27	( 0.52- 3.09)
Subtotal	LAVECC												1.17	( 0.64- 2.16)
18	TUNSTA	2	c	t	c	n	2	4	-	-	-	-	1.34	( 1.07- 1.67)
27	ROSENL	2	m	s	e	n	2	8	-	-	-	-	0.96	( 0.64- 1.44)
27	ROSENL	14	f	s	e	n	2	8	-	-	-	-	1.53	( 0.95- 2.44)
Subtotal	ROSENL												1.17	( 0.86- 1.59)
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
29	CHEN	10	c	h	c	n	2	20	-	-	-	-	1.20	( 0.70- 2.20)
Partial Totals									41	60	66	157		
*prospective study														

Asia

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*1	HIRAYA	6	f	s	e	f	2	1	-	-	-	-	1.16	( 0.94- 1.43)
20	JANGHO	1	f	s	e	n	2	0	63	100	137	300	1.38	( 0.95- 2.01)
25	HE	2	f	s	e	n	2	6	-	-	-	-	1.60	( 0.94- 2.90)
Partial Totals									63	100	137	300		
*prospective study														

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 5  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 By continent - adjusted

Other

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
9	JACKSO	4	m	h	c	b	2	2	-	-	-	-	1.06 ( 0.39- 2.91)	
9	JACKSO	2	f	h	c	b	2	2	-	-	-	-	3.74 ( 1.15- 12.19)	
Subtotal JACKSO													1.80 ( 0.84- 3.87)	
12	DOBSON	4	m	h	c	b	2	2	-	-	-	-	0.97 ( 0.50- 1.86)	
12	DOBSON	2	f	h	c	b	2	2	-	-	-	-	2.46 ( 1.47- 4.13)	
Subtotal DOBSON													1.72 ( 1.15- 2.59)	
22	CIRUZZ	7	m	s	c	n	2	9	-	-	-	-	1.18 ( 0.55- 2.52)	
22	CIRUZZ	8	f	s	c	n	2	9	-	-	-	-	1.73 ( 0.89- 3.36)	
Subtotal CIRUZZ													1.47 ( 0.89- 2.42)	
23	MCELDU	4	m	t	c	b	2	4	-	-	-	-	0.82 ( 0.55- 1.22)	
23	MCELDU	2	f	t	c	b	2	4	-	-	-	-	2.15 ( 1.18- 3.92)	
Subtotal MCELDU													1.10 ( 0.79- 1.53)	
Partial Totals									0	0	0	0		
*prospective study														

Relative risks		NAmerica	Europe	Asia	Other	Total
	N	20	11	3	8	42
	NS	13	7	3	4	27
	Wt	5163.65	204.13	126.79	80.07	5574.64
Het	Chi	44.53	5.85	1.49	18.19	86.55
Het	df	19	10	2	7	41
Het	P	***	N.S.	N.S.	*	***
Fixed	RR	1.05	1.28	1.24	1.38	1.07
	RRl	1.02	1.12	1.04	1.11	1.04
	RRu	1.08	1.47	1.48	1.72	1.09
	P	+++	+++	+	++	+++
Random	RR	1.08	1.28	1.24	1.48	1.14
	RRl	1.02	1.12	1.04	1.02	1.07
	RRu	1.14	1.47	1.48	2.16	1.20
	P	++	+++	+	+	+++
Asymm	P	*	N.S.	(*)	N.S.	***
Between	Chi		7.93	3.48	5.88	16.50
Between	df		1	1	1	3
Between	P		++	(+)	+	***

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 6  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 By continent - unadjusted

NAmerica

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*2	GARLAN	1	f	s	e	f	2	0	17	492	2	203	3.51	( 0.82- 15.04)
4	MARTIN	1	f	s	e	n	2	6	-	-	-	-	2.60	( 1.20- 5.70)
*5	SVENDS	1	m	s	c	b	2	0	21	286	48	959	1.47	( 0.89- 2.41)
*6	BUTLER	1	f	s	e	f	2	0	20	10579	60	43052	1.36	( 0.82- 2.25)
*10	SANDLE	1	m	h	c	f	2	0	122	1248	248	2914	1.15	( 0.93- 1.41)
*10	SANDLE	3	f	h	c	f	2	0	551	9551	437	5322	0.70	( 0.62- 0.79)
Subtotal SANDLE													0.80	( 0.72- 0.88)
*11	HUMBLE	1	f	s	c	f	8	4	-	-	-	-	1.59	( 0.99- 2.57)
14	LAYARD	1	m	s	e	f	2	0	97	215	378	783	0.93	( 0.71- 1.22)
14	LAYARD	9	f	s	e	f	2	0	455	961	459	969	1.00	( 0.85- 1.17)
Subtotal LAYARD													0.98	( 0.86- 1.13)
*15	LEVOIS	1	m	s	e	f	2	2	-	-	-	-	0.97	( 0.90- 1.05)
*15	LEVOIS	6	f	s	e	f	2	2	-	-	-	-	1.03	( 0.98- 1.08)
Subtotal LEVOIS													1.01	( 0.97- 1.06)
17	MUSCAT	1	m	s	e	n	2	0	20	25	48	83	1.38	( 0.70- 2.75)
17	MUSCAT	2	f	s	e	n	2	0	28	27	18	23	1.33	( 0.59- 2.99)
Subtotal MUSCAT													1.36	( 0.80- 2.30)
*19	STEENL	3	m	s	e	f	2	12	-	-	-	-	1.09	( 0.98- 1.21)
*19	STEENL	4	f	s	e	f	2	13	-	-	-	-	1.04	( 0.93- 1.16)
Subtotal STEENL													1.07	( 0.99- 1.15)
*21	KAWACH	11	f	h	c	b	2	15	-	-	-	-	1.53	( 0.81- 2.90)
26	IRIBAR	4	m	h	c	n	2	11	-	-	-	-	1.13	( 1.00- 1.27)
26	IRIBAR	19	f	h	c	n	2	11	-	-	-	-	1.20	( 1.09- 1.30)
Subtotal IRIBAR													1.17	( 1.09- 1.26)
*30	ENSTRO	8	m	s	e	f	2	1	-	-	-	-	0.94	( 0.85- 1.05)
*30	ENSTRO	24	f	s	e	f	2	1	-	-	-	-	1.01	( 0.94- 1.08)
Subtotal ENSTRO													0.99	( 0.93- 1.05)
Partial Totals									1331	23384	1698	54308		
*prospective study														

Europe

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
3	LEE	1	m	s	m	n	2	0	15	40	26	93	1.34	( 0.64- 2.80)
3	LEE	3	f	s	m	n	2	0	55	229	22	89	0.97	( 0.56- 1.69)
Subtotal LEE													1.09	( 0.70- 1.70)
*8	HOLE	3	m	h	e	f	2	5	-	-	-	-	1.73	( 1.01- 2.96)
*8	HOLE	2	f	h	e	f	2	5	-	-	-	-	1.65	( 0.79- 3.46)
Subtotal HOLE													1.70	( 1.10- 2.63)
13	LAVECC	2	m	s	e	n	2	0	9	21	55	140	1.09	( 0.47- 2.53)
13	LAVECC	1	f	s	e	n	2	0	32	39	11	17	1.27	( 0.52- 3.09)
Subtotal LAVECC													1.17	( 0.64- 2.16)
18	TUNSTA	1	c	t	c	n	2	0	329	1216	99	483	1.32	( 1.03- 1.69)
27	ROSENL	1	m	s	e	n	2	0	53	113	141	285	0.95	( 0.65- 1.39)
27	ROSENL	13	f	s	e	n	2	0	65	119	59	144	1.33	( 0.87- 2.05)
Subtotal ROSENL													1.10	( 0.83- 1.47)
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
29	CHEN	10	c	h	c	n	2	20	-	-	-	-	1.20	( 0.70- 2.20)
Partial Totals									558	1777	413	1251		
*prospective study														

Asia

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*1	HIRAYA	3	f	s	e	f	2	0	376	69645	118	21895	1.00	( 0.82- 1.23)
20	JANGHO	1	f	s	e	n	2	0	63	100	137	300	1.38	( 0.95- 2.01)
25	HE	1	f	s	e	n	2	0	76	95	39	113	2.32	( 1.44- 3.72)
Totals									515	69840	294	22308		
*prospective study														

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 6  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 By continent - unadjusted

Other

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
9	JACKSO	3	m	h	c	b	2	0	-	-	-	-	1.10 ( 0.40- 3.00)	
9	JACKSO	1	f	h	c	b	2	0	-	-	-	-	4.00 ( 1.35- 13.10)	
Subtotal JACKSO														
12	DOBSON	3	m	h	c	b	2	0	22	34	161	259	1.04 ( 0.59- 1.84)	
12	DOBSON	1	f	h	c	b	2	0	43	99	117	433	1.61 ( 1.06- 2.43)	
Subtotal DOBSON														
22	CIRUZZ	5	m	s	c	n	2	0	15	22	141	206	1.00 ( 0.50- 1.99)	
22	CIRUZZ	6	f	s	c	n	2	0	29	25	151	193	1.48 ( 0.83- 2.64)	
Subtotal CIRUZZ														
23	MCELDU	3	m	t	c	b	2	0	53	172	145	373	0.79 ( 0.55- 1.14)	
23	MCELDU	1	f	t	c	b	2	0	31	147	54	479	1.87 ( 1.16- 3.02)	
Subtotal MCELDU														
Partial Totals									193	499	769	1943	1.08 ( 0.81- 1.45)	

\*prospective study

Relative risks		NAmerica	Europe	Asia	Other	Total
	N	20	11	3	8	42
	NS	13	7	3	4	27
	Wt	5479.62	195.21	134.88	106.75	5916.47
	Het Chi	77.44	5.25	10.92	15.45	123.56
	Het df	19	10	2	7	41
	Het P	***	N.S.	**	*	***
Fixed	RR	1.02	1.26	1.19	1.25	1.04
	RRl	1.00	1.09	1.00	1.04	1.01
	RRu	1.05	1.45	1.41	1.51	1.07
	P	(+)	++	+	+	++
Random	RR	1.05	1.26	1.42	1.31	1.12
	RRl	0.98	1.09	0.89	0.97	1.05
	RRu	1.12	1.45	2.25	1.78	1.19
	P	N.S.	++	N.S.	(+)	+++
Asymm	P	N.S.	N.S.	N.S.	N.S.	**
Between	Chi		8.04	2.95	4.20	14.50
Between	df		1	1	1	3
Between	P		++	(+)	+	**

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)



Table 7  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 By publication year (grouped) - adjusted

1984-88

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*1	HIRAYA 6		f	s	e	f	2	1	-	-	-	-	1.16 ( 0.94- 1.43)	
*2	GARLAN 5		f	s	e	f	2	5	-	-	-	-	2.70 ( 0.63- 11.58)	
3	LEE 2		m	s	m	n	2	2	-	-	-	-	1.24 ( 0.59- 2.59)	
3	LEE 4		f	s	m	n	2	2	-	-	-	-	0.93 ( 0.54- 1.61)	
Subtotal	LEE												1.03 ( 0.66- 1.60)	
4	MARTIN 1		f	s	e	n	2	6	-	-	-	-	2.60 ( 1.20- 5.70)	
*5	SVENDS 2		m	s	c	b	2	6	-	-	-	-	1.61 ( 0.96- 2.71)	
*6	BUTLER 2		f	s	e	f	2	1	-	-	-	-	1.07 ( 0.65- 1.75)	
Partial Totals									0	0	0	0		

\*prospective study

1989-92

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*8	HOLE 3		m	h	e	f	2	5	-	-	-	-	1.73 ( 1.01- 2.96)	
*8	HOLE 2		f	h	e	f	2	5	-	-	-	-	1.65 ( 0.79- 3.46)	
Subtotal	HOLE												1.70 ( 1.10- 2.63)	
9	JACKSO 4		m	h	c	b	2	2	-	-	-	-	1.06 ( 0.39- 2.91)	
9	JACKSO 2		f	h	c	b	2	2	-	-	-	-	3.74 ( 1.15- 12.19)	
Subtotal	JACKSO												1.80 ( 0.84- 3.87)	
*10	SANDLE 2		m	h	c	f	2	4	-	-	-	-	1.31 ( 1.05- 1.64)	
*10	SANDLE 4		f	h	c	f	2	4	-	-	-	-	1.19 ( 1.04- 1.36)	
Subtotal	SANDLE												1.22 ( 1.09- 1.37)	
*11	HUMBLE 1		f	s	c	f	8	4	-	-	-	-	1.59 ( 0.99- 2.57)	
12	DOBSON 4		m	h	c	b	2	2	-	-	-	-	0.97 ( 0.50- 1.86)	
12	DOBSON 2		f	h	c	b	2	2	-	-	-	-	2.46 ( 1.47- 4.13)	
Subtotal	DOBSON												1.72 ( 1.15- 2.59)	
13	LAVECC 2		m	s	e	n	2	0	9	21	55	140	1.09 ( 0.47- 2.53)	
13	LAVECC 1		f	s	e	n	2	0	32	39	11	17	1.27 ( 0.52- 3.09)	
Subtotal	LAVECC								41	60	66	157	1.17 ( 0.64- 2.16)	
Partial Totals									41	60	66	157		

\*prospective study

1993-96

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
14	LAYARD 2		m	s	e	f	2	2	-	-	-	-	0.97 ( 0.73- 1.28)	
14	LAYARD 10		f	s	e	f	2	2	-	-	-	-	0.99 ( 0.84- 1.16)	
Subtotal	LAYARD												0.98 ( 0.86- 1.13)	
*15	LEVOIS 1		m	s	e	f	2	2	-	-	-	-	0.97 ( 0.90- 1.05)	
*15	LEVOIS 6		f	s	e	f	2	2	-	-	-	-	1.03 ( 0.98- 1.08)	
Subtotal	LEVOIS												1.01 ( 0.97- 1.06)	
17	MUSCAT 1		m	s	e	n	2	0	20	25	48	83	1.38 ( 0.70- 2.75)	
17	MUSCAT 2		f	s	e	n	2	0	28	27	18	23	1.33 ( 0.59- 2.99)	
Subtotal	MUSCAT												1.36 ( 0.80- 2.30)	
18	TUNSTA 2		c	t	c	n	2	4	-	-	-	-	1.34 ( 1.07- 1.67)	
*19	STEENL 3		m	s	e	f	2	12	-	-	-	-	1.09 ( 0.98- 1.21)	
*19	STEENL 4		f	s	e	f	2	13	-	-	-	-	1.04 ( 0.93- 1.16)	
Subtotal	STEENL												1.07 ( 0.99- 1.15)	
Partial Totals									48	52	66	106		

\*prospective study

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 7  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 By publication year (grouped) - adjusted

1997-

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
20	JANGHO	1	f	s	e	n	2	0	63	100	137	300	1.38	( 0.95- 2.01)
*21	KAWACH	11	f	h	c	b	2	15	-	-	-	-	1.53	( 0.81- 2.90)
22	CIRUZZ	7	m	s	c	n	2	9	-	-	-	-	1.18	( 0.55- 2.52)
22	CIRUZZ	8	f	s	c	n	2	9	-	-	-	-	1.73	( 0.89- 3.36)
Subtotal CIRUZZ													1.47	( 0.89- 2.42)
23	MCELDU	4	m	t	c	b	2	4	-	-	-	-	0.82	( 0.55- 1.22)
23	MCELDU	2	f	t	c	b	2	4	-	-	-	-	2.15	( 1.18- 3.92)
Subtotal MCELDU													1.10	( 0.79- 1.53)
25	HE	2	f	s	e	n	2	6	-	-	-	-	1.60	( 0.94- 2.90)
26	IRIBAR	4	m	h	c	n	2	11	-	-	-	-	1.13	( 1.00- 1.27)
26	IRIBAR	19	f	h	c	n	2	11	-	-	-	-	1.20	( 1.09- 1.30)
Subtotal IRIBAR													1.17	( 1.09- 1.26)
27	ROSENL	2	m	s	e	n	2	8	-	-	-	-	0.96	( 0.64- 1.44)
27	ROSENL	14	f	s	e	n	2	8	-	-	-	-	1.53	( 0.95- 2.44)
Subtotal ROSENL													1.17	( 0.86- 1.59)
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
29	CHEN	10	c	h	c	n	2	20	-	-	-	-	1.20	( 0.70- 2.20)
*30	ENSTRO	16	m	s	e	f	2	8	-	-	-	-	0.93	( 0.83- 1.04)
*30	ENSTRO	32	f	s	e	f	2	8	-	-	-	-	0.99	( 0.92- 1.08)
Subtotal ENSTRO													0.97	( 0.91- 1.03)
Partial Totals									63	100	137	300		
*prospective study														

		1984-88	1989-92	1993-96	1997-	Total
Relative risks						
	N	7	11	9	15	42
	NS	6	6	5	10	27
	Wt	145.27	368.15	3222.30	1838.92	5574.64
	Het Chi	7.31	13.86	10.32	34.43	86.55
	Het df	6	10	8	14	41
	Het P	N.S.	N.S.	N.S.	**	***
Fixed	RR	1.22	1.29	1.03	1.08	1.07
	RRl	1.04	1.17	0.99	1.03	1.04
	RRu	1.44	1.43	1.07	1.13	1.09
	P	+	+++	(+)	++	+++
Random	RR	1.26	1.39	1.04	1.14	1.14
	RRl	1.02	1.18	0.99	1.03	1.07
	RRu	1.55	1.64	1.08	1.26	1.20
	P	+	+++	N.S.	+	+++
Asymm	P	N.S.	N.S.	N.S.	(*)	***
Between	Chi		0.33	4.11	2.14	20.63
Between	df		1	1	1	3
Between	P		N.S.	-	N.S.	***

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 8  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 By publication year (grouped) - unadjusted

1984-88

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*1	HIRAYA 3		f	s	e	f	2	0	376	69645	118	21895	1.00	( 0.82- 1.23)
*2	GARLAN 1		f	s	e	f	2	0	17	492	2	203	3.51	( 0.82- 15.04)
3	LEE 1		m	s	m	n	2	0	15	40	26	93	1.34	( 0.64- 2.80)
3	LEE 3		f	s	m	n	2	0	55	229	22	89	0.97	( 0.56- 1.69)
Subtotal LEE													1.09	( 0.70- 1.70)
4	MARTIN 1		f	s	e	n	2	6	-	-	-	-	2.60	( 1.20- 5.70)
*5	SVENDS 1		m	s	c	b	2	0	21	286	48	959	1.47	( 0.89- 2.41)
*6	BUTLER 1		f	s	e	f	2	0	20	10579	60	43052	1.36	( 0.82- 2.25)
Partial Totals									504	81271	276	66291		
*prospective study														

1989-92

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*8	HOLE 3		m	h	e	f	2	5	-	-	-	-	1.73	( 1.01- 2.96)
*8	HOLE 2		f	h	e	f	2	5	-	-	-	-	1.65	( 0.79- 3.46)
Subtotal HOLE													1.70	( 1.10- 2.63)
9	JACKSO 3		m	h	c	b	2	0	-	-	-	-	1.10	( 0.40- 3.00)
9	JACKSO 1		f	h	c	b	2	0	-	-	-	-	4.00	( 1.35- 13.10)
Subtotal JACKSO													1.94	( 0.91- 4.13)
*10	SANDLE 1		m	h	c	f	2	0	122	1248	248	2914	1.15	( 0.93- 1.41)
*10	SANDLE 3		f	h	c	f	2	0	551	9551	437	5322	0.70	( 0.62- 0.79)
Subtotal SANDLE													0.80	( 0.72- 0.88)
*11	HUMBLE 1		f	s	c	f	8	4	-	-	-	-	1.59	( 0.99- 2.57)
12	DOBSON 3		m	h	c	b	2	0	22	34	161	259	1.04	( 0.59- 1.84)
12	DOBSON 1		f	h	c	b	2	0	43	99	117	433	1.61	( 1.06- 2.43)
Subtotal DOBSON													1.39	( 0.99- 1.93)
13	LAVECC 2		m	s	e	n	2	0	9	21	55	140	1.09	( 0.47- 2.53)
13	LAVECC 1		f	s	e	n	2	0	32	39	11	17	1.27	( 0.52- 3.09)
Subtotal LAVECC													1.17	( 0.64- 2.16)
Partial Totals									779	10992	1029	9085		
*prospective study														

1993-96

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
14	LAYARD 1		m	s	e	f	2	0	97	215	378	783	0.93	( 0.71- 1.22)
14	LAYARD 9		f	s	e	f	2	0	455	961	459	969	1.00	( 0.85- 1.17)
Subtotal LAYARD													0.98	( 0.86- 1.13)
*15	LEVOIS 1		m	s	e	f	2	2	-	-	-	-	0.97	( 0.90- 1.05)
*15	LEVOIS 6		f	s	e	f	2	2	-	-	-	-	1.03	( 0.98- 1.08)
Subtotal LEVOIS													1.01	( 0.97- 1.06)
17	MUSCAT 1		m	s	e	n	2	0	20	25	48	83	1.38	( 0.70- 2.75)
17	MUSCAT 2		f	s	e	n	2	0	28	27	18	23	1.33	( 0.59- 2.99)
Subtotal MUSCAT													1.36	( 0.80- 2.30)
18	TUNSTA 1		c	t	c	n	2	0	329	1216	99	483	1.32	( 1.03- 1.69)
*19	STEENL 3		m	s	e	f	2	12	-	-	-	-	1.09	( 0.98- 1.21)
*19	STEENL 4		f	s	e	f	2	13	-	-	-	-	1.04	( 0.93- 1.16)
Subtotal STEENL													1.07	( 0.99- 1.15)
Partial Totals									929	2444	1002	2341		
*prospective study														

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 8  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 By publication year (grouped) - unadjusted

1997-

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
20	JANGHO	1	f	s	e	n	2	0	63	100	137	300	1.38	( 0.95- 2.01)
*21	KAWACH	11	f	h	c	b	2	15	-	-	-	-	1.53	( 0.81- 2.90)
22	CIRUZZ	5	m	s	c	n	2	0	15	22	141	206	1.00	( 0.50- 1.99)
22	CIRUZZ	6	f	s	c	n	2	0	29	25	151	193	1.48	( 0.83- 2.64)
Subtotal CIRUZZ													1.26	( 0.81- 1.96)
23	MCELDU	3	m	t	c	b	2	0	53	172	145	373	0.79	( 0.55- 1.14)
23	MCELDU	1	f	t	c	b	2	0	31	147	54	479	1.87	( 1.16- 3.02)
Subtotal MCELDU													1.08	( 0.81- 1.45)
25	HE	1	f	s	e	n	2	0	76	95	39	113	2.32	( 1.44- 3.72)
26	IRIBAR	4	m	h	c	n	2	11	-	-	-	-	1.13	( 1.00- 1.27)
26	IRIBAR	19	f	h	c	n	2	11	-	-	-	-	1.20	( 1.09- 1.30)
Subtotal IRIBAR													1.17	( 1.09- 1.26)
27	ROSENL	1	m	s	e	n	2	0	53	113	141	285	0.95	( 0.65- 1.39)
27	ROSENL	13	f	s	e	n	2	0	65	119	59	144	1.33	( 0.87- 2.05)
Subtotal ROSENL													1.10	( 0.83- 1.47)
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
29	CHEN	10	c	h	c	n	2	20	-	-	-	-	1.20	( 0.70- 2.20)
*30	ENSTRO	8	m	s	e	f	2	1	-	-	-	-	0.94	( 0.85- 1.05)
*30	ENSTRO	24	f	s	e	f	2	1	-	-	-	-	1.01	( 0.94- 1.08)
Subtotal ENSTRO													0.99	( 0.93- 1.05)
Partial Totals									385	793	867	2093		
*prospective study														

Relative risks		N	1984-88	1989-92	1993-96	1997-	Total
			NS				
	Wt	7	148.83	441.28	3218.94	2107.41	5916.47
	Het Chi	6	10.05	50.58	9.01	40.67	123.56
	Het df		6	10	8	14	41
	Het P		N.S.	***	N.S.	***	***
	Fixed RR		1.15	0.90	1.03	1.08	1.04
	RRl		0.98	0.82	0.99	1.03	1.01
	RRu		1.35	0.99	1.06	1.13	1.07
	P		(+)	-	N.S.	+++	++
	Random RR		1.29	1.29	1.03	1.15	1.12
	RRl		1.00	0.96	0.99	1.04	1.05
	RRu		1.68	1.74	1.07	1.28	1.19
	P		(+)	(+)	N.S.	++	+++
	Asymm P		*	**	N.S.	(*)	**
	Between Chi			6.40	1.79	0.57	13.25
	Between df			1	1	1	3
	Between P			-	N.S.	N.S.	**

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 9  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 By number of heart disease cases (grouped) - adjusted

1-99

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*2	GARLAN	5	f	s	e	f	2	5	-	-	-	-	2.70	( 0.63- 11.58)
4	MARTIN	1	f	s	e	n	2	6	-	-	-	-	2.60	( 1.20- 5.70)
*5	SVENDS	2	m	s	c	b	2	6	-	-	-	-	1.61	( 0.96- 2.71)
*6	BUTLER	2	f	s	e	f	2	1	-	-	-	-	1.07	( 0.65- 1.75)
*11	HUMBLE	1	f	s	c	f	8	4	-	-	-	-	1.59	( 0.99- 2.57)
Partial Totals									0	0	0	0		
*prospective study														

100-199

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
3	LEE	2	m	s	m	n	2	2	-	-	-	-	1.24	( 0.59- 2.59)
3	LEE	4	f	s	m	n	2	2	-	-	-	-	0.93	( 0.54- 1.61)
Subtotal LEE													1.03	( 0.66- 1.60)
*8	HOLE	3	m	h	e	f	2	5	-	-	-	-	1.73	( 1.01- 2.96)
*8	HOLE	2	f	h	e	f	2	5	-	-	-	-	1.65	( 0.79- 3.46)
Subtotal HOLE													1.70	( 1.10- 2.63)
13	LAVECC	2	m	s	e	n	2	0	9	21	55	140	1.09	( 0.47- 2.53)
13	LAVECC	1	f	s	e	n	2	0	32	39	11	17	1.27	( 0.52- 3.09)
Subtotal LAVECC													1.17	( 0.64- 2.16)
17	MUSCAT	1	m	s	e	n	2	0	20	25	48	83	1.38	( 0.70- 2.75)
17	MUSCAT	2	f	s	e	n	2	0	28	27	18	23	1.33	( 0.59- 2.99)
Subtotal MUSCAT													1.36	( 0.80- 2.30)
*21	KAWACH	11	f	h	c	b	2	15	-	-	-	-	1.53	( 0.81- 2.90)
25	HE	2	f	s	e	n	2	6	-	-	-	-	1.60	( 0.94- 2.90)
Partial Totals									89	112	132	263		
*prospective study														

200-999

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*1	HIRAYA	6	f	s	e	f	2	1	-	-	-	-	1.16	( 0.94- 1.43)
9	JACKSO	4	m	h	c	b	2	2	-	-	-	-	1.06	( 0.39- 2.91)
9	JACKSO	2	f	h	c	b	2	2	-	-	-	-	3.74	( 1.15- 12.19)
Subtotal JACKSO													1.80	( 0.84- 3.87)
12	DOBSON	4	m	h	c	b	2	2	-	-	-	-	0.97	( 0.50- 1.86)
12	DOBSON	2	f	h	c	b	2	2	-	-	-	-	2.46	( 1.47- 4.13)
Subtotal DOBSON													1.72	( 1.15- 2.59)
18	TUNSTA	2	c	t	c	n	2	4	-	-	-	-	1.34	( 1.07- 1.67)
20	JANGHO	1	f	s	e	n	2	0	63	100	137	300	1.38	( 0.95- 2.01)
22	CIRUZZ	7	m	s	c	n	2	9	-	-	-	-	1.18	( 0.55- 2.52)
22	CIRUZZ	8	f	s	c	n	2	9	-	-	-	-	1.73	( 0.89- 3.36)
Subtotal CIRUZZ													1.47	( 0.89- 2.42)
23	MCELDU	4	m	t	c	b	2	4	-	-	-	-	0.82	( 0.55- 1.22)
23	MCELDU	2	f	t	c	b	2	4	-	-	-	-	2.15	( 1.18- 3.92)
Subtotal MCELDU													1.10	( 0.79- 1.53)
27	ROSENL	2	m	s	e	n	2	8	-	-	-	-	0.96	( 0.64- 1.44)
27	ROSENL	14	f	s	e	n	2	8	-	-	-	-	1.53	( 0.95- 2.44)
Subtotal ROSENL													1.17	( 0.86- 1.59)
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
Partial Totals									63	100	137	300		
*prospective study														

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 9  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 By number of heart disease cases (grouped) - adjusted

1000+

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*10	SANDLE	2	m	h	c	f	2	4	-	-	-	-	1.31	( 1.05- 1.64)
*10	SANDLE	4	f	h	c	f	2	4	-	-	-	-	1.19	( 1.04- 1.36)
Subtotal SANDLE													1.22	( 1.09- 1.37)
14	LAYARD	2	m	s	e	f	2	2	-	-	-	-	0.97	( 0.73- 1.28)
14	LAYARD	10	f	s	e	f	2	2	-	-	-	-	0.99	( 0.84- 1.16)
Subtotal LAYARD													0.98	( 0.86- 1.13)
*15	LEVOIS	1	m	s	e	f	2	2	-	-	-	-	0.97	( 0.90- 1.05)
*15	LEVOIS	6	f	s	e	f	2	2	-	-	-	-	1.03	( 0.98- 1.08)
Subtotal LEVOIS													1.01	( 0.97- 1.06)
*19	STEENL	3	m	s	e	f	2	12	-	-	-	-	1.09	( 0.98- 1.21)
*19	STEENL	4	f	s	e	f	2	13	-	-	-	-	1.04	( 0.93- 1.16)
Subtotal STEENL													1.07	( 0.99- 1.15)
26	IRIBAR	4	m	h	c	n	2	11	-	-	-	-	1.13	( 1.00- 1.27)
26	IRIBAR	19	f	h	c	n	2	11	-	-	-	-	1.20	( 1.09- 1.30)
Subtotal IRIBAR													1.17	( 1.09- 1.26)
*30	ENSTRO	16	m	s	e	f	2	8	-	-	-	-	0.93	( 0.83- 1.04)
*30	ENSTRO	32	f	s	e	f	2	8	-	-	-	-	0.99	( 0.92- 1.08)
Subtotal ENSTRO									0	0	0	0	0.97	( 0.91- 1.03)
Partial Totals									0	0	0	0		
*prospective study														

Relative risks		N	1-99	100-199	200-999	1000+	Total
			NS	5	10	14	12
	Wt		54.96	86.02	336.66	5085.28	5562.92
	Het Chi		4.43	3.69	22.32	29.77	86.38
	Het df		4	9	13	11	40
	Het P		N.S.	N.S.	(*)	**	***
	Fixed RR		1.53	1.37	1.28	1.04	1.07
	RRl		1.18	1.11	1.15	1.02	1.04
	RRu		2.00	1.69	1.43	1.07	1.09
	P		++	++	+++	++	+++
	Random RR		1.55	1.37	1.32	1.06	1.14
	RRl		1.17	1.11	1.13	1.00	1.07
	RRu		2.05	1.69	1.55	1.11	1.20
	P		++	++	+++	+	+++
	Asymm P		N.S.	N.S.	N.S.	N.S.	***
	Between Chi			0.44	1.54	8.05	26.18
	Between df			1	1	1	3
	Between P			N.S.	N.S.	--	***

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 10  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 By study type - adjusted

case-control

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
3	LEE	2	m	s	m	n	2	2	-	-	-	-	1.24 ( 0.59- 2.59)	
3	LEE	4	f	s	m	n	2	2	-	-	-	-	0.93 ( 0.54- 1.61)	
Subtotal LEE													1.03 ( 0.66- 1.60)	
9	JACKSO	4	m	h	c	b	2	2	-	-	-	-	1.06 ( 0.39- 2.91)	
9	JACKSO	2	f	h	c	b	2	2	-	-	-	-	3.74 ( 1.15- 12.19)	
Subtotal JACKSO													1.80 ( 0.84- 3.87)	
12	DOBSON	4	m	h	c	b	2	2	-	-	-	-	0.97 ( 0.50- 1.86)	
12	DOBSON	2	f	h	c	b	2	2	-	-	-	-	2.46 ( 1.47- 4.13)	
Subtotal DOBSON													1.72 ( 1.15- 2.59)	
13	LAVECC	2	m	s	e	n	2	0	9	21	55	140	1.09 ( 0.47- 2.53)	
13	LAVECC	1	f	s	e	n	2	0	32	39	11	17	1.27 ( 0.52- 3.09)	
Subtotal LAVECC													1.17 ( 0.64- 2.16)	
14	LAYARD	2	m	s	e	f	2	2	-	-	-	-	0.97 ( 0.73- 1.28)	
14	LAYARD	10	f	s	e	f	2	2	-	-	-	-	0.99 ( 0.84- 1.16)	
Subtotal LAYARD													0.98 ( 0.86- 1.13)	
17	MUSCAT	1	m	s	e	n	2	0	20	25	48	83	1.38 ( 0.70- 2.75)	
17	MUSCAT	2	f	s	e	n	2	0	28	27	18	23	1.33 ( 0.59- 2.99)	
Subtotal MUSCAT													1.36 ( 0.80- 2.30)	
20	JANGHO	1	f	s	e	n	2	0	63	100	137	300	1.38 ( 0.95- 2.01)	
22	CIRUZZ	7	m	s	c	n	2	9	-	-	-	-	1.18 ( 0.55- 2.52)	
22	CIRUZZ	8	f	s	c	n	2	9	-	-	-	-	1.73 ( 0.89- 3.36)	
Subtotal CIRUZZ													1.47 ( 0.89- 2.42)	
23	MCELDU	4	m	t	c	b	2	4	-	-	-	-	0.82 ( 0.55- 1.22)	
23	MCELDU	2	f	t	c	b	2	4	-	-	-	-	2.15 ( 1.18- 3.92)	
Subtotal MCELDU													1.10 ( 0.79- 1.53)	
25	HE	2	f	s	e	n	2	6	-	-	-	-	1.60 ( 0.94- 2.90)	
27	ROSENL	2	m	s	e	n	2	8	-	-	-	-	0.96 ( 0.64- 1.44)	
27	ROSENL	14	f	s	e	n	2	8	-	-	-	-	1.53 ( 0.95- 2.44)	
Subtotal ROSENL													1.17 ( 0.86- 1.59)	
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33 ( 0.89- 1.99)	
Partial Totals									152	212	269	563		

\*prospective study

prospective

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*1	HIRAYA	6	f	s	e	f	2	1	-	-	-	-	1.16 ( 0.94- 1.43)	
*2	GARLAN	5	f	s	e	f	2	5	-	-	-	-	2.70 ( 0.63- 11.58)	
*5	SVENDS	2	m	s	c	b	2	6	-	-	-	-	1.61 ( 0.96- 2.71)	
*6	BUTLER	2	f	s	e	f	2	1	-	-	-	-	1.07 ( 0.65- 1.75)	
*8	HOLE	3	m	h	e	f	2	5	-	-	-	-	1.73 ( 1.01- 2.96)	
*8	HOLE	2	f	h	e	f	2	5	-	-	-	-	1.65 ( 0.79- 3.46)	
Subtotal HOLE													1.70 ( 1.10- 2.63)	
*10	SANDLE	2	m	h	c	f	2	4	-	-	-	-	1.31 ( 1.05- 1.64)	
*10	SANDLE	4	f	h	c	f	2	4	-	-	-	-	1.19 ( 1.04- 1.36)	
Subtotal SANDLE													1.22 ( 1.09- 1.37)	
*11	HUMBLE	1	f	s	c	f	8	4	-	-	-	-	1.59 ( 0.99- 2.57)	
*15	LEVOIS	1	m	s	e	f	2	2	-	-	-	-	0.97 ( 0.90- 1.05)	
*15	LEVOIS	6	f	s	e	f	2	2	-	-	-	-	1.03 ( 0.98- 1.08)	
Subtotal LEVOIS													1.01 ( 0.97- 1.06)	
*19	STEENL	3	m	s	e	f	2	12	-	-	-	-	1.09 ( 0.98- 1.21)	
*19	STEENL	4	f	s	e	f	2	13	-	-	-	-	1.04 ( 0.93- 1.16)	
Subtotal STEENL													1.07 ( 0.99- 1.15)	
*21	KAWACH	11	f	h	c	b	2	15	-	-	-	-	1.53 ( 0.81- 2.90)	
*30	ENSTRO	16	m	s	e	f	2	8	-	-	-	-	0.93 ( 0.83- 1.04)	
*30	ENSTRO	32	f	s	e	f	2	8	-	-	-	-	0.99 ( 0.92- 1.08)	
Subtotal ENSTRO													0.97 ( 0.91- 1.03)	
Partial Totals									0	0	0	0		

\*prospective study

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 10  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 By study type - adjusted

crosssectional

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
4	MARTIN	1	f	s	e	n	2	6	-	-	-	-	2.60	( 1.20- 5.70)
18	TUNSTA	2	c	t	c	n	2	4	-	-	-	-	1.34	( 1.07- 1.67)
26	IRIBAR	4	m	h	c	n	2	11	-	-	-	-	1.13	( 1.00- 1.27)
26	IRIBAR	19	f	h	c	n	2	11	-	-	-	-	1.20	( 1.09- 1.30)
Subtotal		IRIBAR											1.17	( 1.09- 1.26)
29	CHEN	10	c	h	c	n	2	20	-	-	-	-	1.20	( 0.70- 2.20)
Partial Totals									0	0	0	0		

\*prospective study

Relative risks		case-con	prospect	crosssec	Total
		N	21	16	5
NS		12	11	4	27
	Wt	424.28	4290.80	859.56	5574.64
	Het Chi	31.53	31.98	5.69	86.55
	Het df	20	15	4	41
	Het P	*	**	N.S.	***
Fixed	RR	1.14	1.03	1.20	1.07
	RR1	1.04	1.00	1.12	1.04
	RRu	1.26	1.07	1.28	1.09
	P	++	+	+++	+++
Random	RR	1.23	1.07	1.21	1.14
	RR1	1.07	1.01	1.10	1.07
	RRu	1.42	1.13	1.33	1.20
	P	++	+	+++	+++
Asymm	P	*	**	N.S.	***
Between	Chi		3.88	0.57	17.35
Between	df		1	1	2
Between	P		-	N.S.	***

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)



Table 11  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 By number of confounders considered (grouped) - adjusted

										Numbers Exposed		Non-exposed			
StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Case	Cont	Case	Cont	RR	95.00%CI	
0-2															
*1	HIRAYA	6	f	s	e	f	2	1	-	-	-	-	1.16	( 0.94-	1.43)
3	LEE	2	m	s	m	n	2	2	-	-	-	-	1.24	( 0.59-	2.59)
3	LEE	4	f	s	m	n	2	2	-	-	-	-	0.93	( 0.54-	1.61)
Subtotal	LEE												1.03	( 0.66-	1.60)
*6	BUTLER	2	f	s	e	f	2	1	-	-	-	-	1.07	( 0.65-	1.75)
14	LAYARD	2	m	s	e	f	2	2	-	-	-	-	0.97	( 0.73-	1.28)
14	LAYARD	10	f	s	e	f	2	2	-	-	-	-	0.99	( 0.84-	1.16)
Subtotal	LAYARD												0.98	( 0.86-	1.13)
*15	LEVOIS	1	m	s	e	f	2	2	-	-	-	-	0.97	( 0.90-	1.05)
*15	LEVOIS	6	f	s	e	f	2	2	-	-	-	-	1.03	( 0.98-	1.08)
Subtotal	LEVOIS												1.01	( 0.97-	1.06)
20	JANGHO	1	f	s	e	n	2	0	63	100	137	300	1.38	( 0.95-	2.01)
Partial Totals									63	100	137	300			
*prospective study															
3-4															
StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Case	Cont	Case	Cont	RR	95.00%CI	
*10	SANDLE	2	m	h	c	f	2	4	-	-	-	-	1.31	( 1.05-	1.64)
*10	SANDLE	4	f	h	c	f	2	4	-	-	-	-	1.19	( 1.04-	1.36)
Subtotal	SANDLE												1.22	( 1.09-	1.37)
*11	HUMBLE	1	f	s	c	f	8	4	-	-	-	-	1.59	( 0.99-	2.57)
12	DOBSON	4	m	h	c	b	2	2	-	-	-	-	0.97	( 0.50-	1.86)
12	DOBSON	2	f	h	c	b	2	2	-	-	-	-	2.46	( 1.47-	4.13)
Subtotal	DOBSON												1.72	( 1.15-	2.59)
17	MUSCAT	1	m	s	e	n	2	0	20	25	48	83	1.38	( 0.70-	2.75)
17	MUSCAT	2	f	s	e	n	2	0	28	27	18	23	1.33	( 0.59-	2.99)
Subtotal	MUSCAT												1.36	( 0.80-	2.30)
18	TUNSTA	2	c	t	c	n	2	4	-	-	-	-	1.34	( 1.07-	1.67)
23	MCELDU	4	m	t	c	b	2	4	-	-	-	-	0.82	( 0.55-	1.22)
23	MCELDU	2	f	t	c	b	2	4	-	-	-	-	2.15	( 1.18-	3.92)
Subtotal	MCELDU												1.10	( 0.79-	1.53)
Partial Totals									48	52	66	106			
*prospective study															
5+															
StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Case	Cont	Case	Cont	RR	95.00%CI	
*2	GARLAN	5	f	s	e	f	2	5	-	-	-	-	2.70	( 0.63-	11.58)
4	MARTIN	1	f	s	e	n	2	6	-	-	-	-	2.60	( 1.20-	5.70)
*5	SVENDS	2	m	s	c	b	2	6	-	-	-	-	1.61	( 0.96-	2.71)
*8	HOLE	3	m	h	e	f	2	5	-	-	-	-	1.73	( 1.01-	2.96)
*8	HOLE	2	f	h	e	f	2	5	-	-	-	-	1.65	( 0.79-	3.46)
Subtotal	HOLE												1.70	( 1.10-	2.63)
9	JACKSO	4	m	h	c	b	2	2	-	-	-	-	1.06	( 0.39-	2.91)
9	JACKSO	2	f	h	c	b	2	2	-	-	-	-	3.74	( 1.15-	12.19)
Subtotal	JACKSO												1.80	( 0.84-	3.87)
13	LAVECC	2	m	s	e	n	2	0	9	21	55	140	1.09	( 0.47-	2.53)
13	LAVECC	1	f	s	e	n	2	0	32	39	11	17	1.27	( 0.52-	3.09)
Subtotal	LAVECC												1.17	( 0.64-	2.16)
*19	STEENL	3	m	s	e	f	2	12	-	-	-	-	1.09	( 0.98-	1.21)
*19	STEENL	4	f	s	e	f	2	13	-	-	-	-	1.04	( 0.93-	1.16)
Subtotal	STEENL												1.07	( 0.99-	1.15)
*21	KAWACH	11	f	h	c	b	2	15	-	-	-	-	1.53	( 0.81-	2.90)
22	CIRUZZ	7	m	s	c	n	2	9	-	-	-	-	1.18	( 0.55-	2.52)
22	CIRUZZ	8	f	s	c	n	2	9	-	-	-	-	1.73	( 0.89-	3.36)
Subtotal	CIRUZZ												1.47	( 0.89-	2.42)
25	HE	2	f	s	e	n	2	6	-	-	-	-	1.60	( 0.94-	2.90)
26	IRIBAR	4	m	h	c	n	2	11	-	-	-	-	1.13	( 1.00-	1.27)
26	IRIBAR	19	f	h	c	n	2	11	-	-	-	-	1.20	( 1.09-	1.30)

Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 11  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 By number of confounders considered (grouped) - adjusted

5+										Numbers		Non-exposed		RR	95.00%CI
StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Exposed	Cont	Case	Cont			
Subtotal	IRIBAR														1.17 ( 1.09- 1.26)
27	ROSENL 2		m	s	e	n	2	8	-	-	-	-			0.96 ( 0.64- 1.44)
27	ROSENL 14		f	s	e	n	2	8	-	-	-	-			1.53 ( 0.95- 2.44)
Subtotal	ROSENL														1.17 ( 0.86- 1.59)
28	PITSAV 9		c	h	c	n	a	6	-	-	-	-			1.33 ( 0.89- 1.99)
*30	ENSTRO 16		m	s	e	f	2	8	-	-	-	-			0.93 ( 0.83- 1.04)
*30	ENSTRO 32		f	s	e	f	2	8	-	-	-	-			0.99 ( 0.92- 1.08)
Subtotal	ENSTRO								41	60	66	157			0.97 ( 0.91- 1.03)
Partial Totals										41	60	66	157		
*prospective study															

  

Relative risks	0-2	3-4	5+	Total
N	9	10	22	41
NS	6	6	14	26
Wt	2620.71	457.35	2484.87	5562.92
Het Chi	6.39	16.65	43.52	86.38
Het df	8	9	21	40
Het P	N.S.	(*)	**	***
Fixed RR	1.02	1.27	1.08	1.07
RRl	0.98	1.16	1.04	1.04
RRu	1.06	1.39	1.13	1.09
P	N.S.	+++	+++	+++
Random RR	1.02	1.32	1.15	1.14
RRl	0.98	1.13	1.06	1.07
RRu	1.06	1.55	1.24	1.20
P	N.S.	+++	++	+++
Asymm P	N.S.	N.S.	**	***
Between Chi		18.74	4.69	19.82
Between df		1	1	2
Between P		+++	+	***

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 Within each study, results are included (in the following order of preference) for:  
 1) EXP Exposure = spouse (s), household (h), total (t)  
 2) TIM Time of exposure = ever (e), during marriage (m), current (c)  
 3) TYP Disease type = both (b), fatal (f), non-fatal (n)  
 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 12  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 By results available on dose-response - adjusted

none

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*2	GARLAN	5	f	s	e	f	2	5	-	-	-	-	2.70	( 0.63- 11.58)
4	MARTIN	1	f	s	e	n	2	6	-	-	-	-	2.60	( 1.20- 5.70)
*6	BUTLER	2	f	s	e	f	2	1	-	-	-	-	1.07	( 0.65- 1.75)
*10	SANDLE	2	m	h	c	f	2	4	-	-	-	-	1.31	( 1.05- 1.64)
*10	SANDLE	4	f	h	c	f	2	4	-	-	-	-	1.19	( 1.04- 1.36)
Subtotal SANDLE													1.22	( 1.09- 1.37)
*11	HUMBLE	1	f	s	c	f	8	4	-	-	-	-	1.59	( 0.99- 2.57)
12	DOBSON	4	m	h	c	b	2	2	-	-	-	-	0.97	( 0.50- 1.86)
12	DOBSON	2	f	h	c	b	2	2	-	-	-	-	2.46	( 1.47- 4.13)
Subtotal DOBSON													1.72	( 1.15- 2.59)
23	MCELDU	4	m	t	c	b	2	4	-	-	-	-	0.82	( 0.55- 1.22)
23	MCELDU	2	f	t	c	b	2	4	-	-	-	-	2.15	( 1.18- 3.92)
Subtotal MCELDU													1.10	( 0.79- 1.53)
Partial Totals									0	0	0	0		
*prospective study														

results given

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*1	HIRAYA	6	f	s	e	f	2	1	-	-	-	-	1.16	( 0.94- 1.43)
3	LEE	2	m	s	m	n	2	2	-	-	-	-	1.24	( 0.59- 2.59)
3	LEE	4	f	s	m	n	2	2	-	-	-	-	0.93	( 0.54- 1.61)
Subtotal LEE													1.03	( 0.66- 1.60)
*5	SVENDS	2	m	s	c	b	2	6	-	-	-	-	1.61	( 0.96- 2.71)
*8	HOLE	3	m	h	e	f	2	5	-	-	-	-	1.73	( 1.01- 2.96)
*8	HOLE	2	f	h	e	f	2	5	-	-	-	-	1.65	( 0.79- 3.46)
Subtotal HOLE													1.70	( 1.10- 2.63)
9	JACKSO	4	m	h	c	b	2	2	-	-	-	-	1.06	( 0.39- 2.91)
9	JACKSO	2	f	h	c	b	2	2	-	-	-	-	3.74	( 1.15- 12.19)
Subtotal JACKSO													1.80	( 0.84- 3.87)
13	LAVECC	2	m	s	e	n	2	0	9	21	55	140	1.09	( 0.47- 2.53)
13	LAVECC	1	f	s	e	n	2	0	32	39	11	17	1.27	( 0.52- 3.09)
Subtotal LAVECC													1.17	( 0.64- 2.16)
14	LAYARD	2	m	s	e	f	2	2	-	-	-	-	0.97	( 0.73- 1.28)
14	LAYARD	10	f	s	e	f	2	2	-	-	-	-	0.99	( 0.84- 1.16)
Subtotal LAYARD													0.98	( 0.86- 1.13)
*15	LEVOIS	1	m	s	e	f	2	2	-	-	-	-	0.97	( 0.90- 1.05)
*15	LEVOIS	6	f	s	e	f	2	2	-	-	-	-	1.03	( 0.98- 1.08)
Subtotal LEVOIS													1.01	( 0.97- 1.06)
17	MUSCAT	1	m	s	e	n	2	0	20	25	48	83	1.38	( 0.70- 2.75)
17	MUSCAT	2	f	s	e	n	2	0	28	27	18	23	1.33	( 0.59- 2.99)
Subtotal MUSCAT													1.36	( 0.80- 2.30)
18	TUNSTA	2	c	t	c	n	2	4	-	-	-	-	1.34	( 1.07- 1.67)
*19	STEENL	3	m	s	e	f	2	12	-	-	-	-	1.09	( 0.98- 1.21)
*19	STEENL	4	f	s	e	f	2	13	-	-	-	-	1.04	( 0.93- 1.16)
Subtotal STEENL													1.07	( 0.99- 1.15)
20	JANGHO	1	f	s	e	n	2	0	63	100	137	300	1.38	( 0.95- 2.01)
*21	KAWACH	11	f	h	c	b	2	15	-	-	-	-	1.53	( 0.81- 2.90)
22	CIRUZZ	7	m	s	c	n	2	9	-	-	-	-	1.18	( 0.55- 2.52)
22	CIRUZZ	8	f	s	c	n	2	9	-	-	-	-	1.73	( 0.89- 3.36)
Subtotal CIRUZZ													1.47	( 0.89- 2.42)
25	HE	2	f	s	e	n	2	6	-	-	-	-	1.60	( 0.94- 2.90)
26	IRIBAR	4	m	h	c	n	2	11	-	-	-	-	1.13	( 1.00- 1.27)
26	IRIBAR	19	f	h	c	n	2	11	-	-	-	-	1.20	( 1.09- 1.30)
Subtotal IRIBAR													1.17	( 1.09- 1.26)
27	ROSENL	2	m	s	e	n	2	8	-	-	-	-	0.96	( 0.64- 1.44)
27	ROSENL	14	f	s	e	n	2	8	-	-	-	-	1.53	( 0.95- 2.44)
Subtotal ROSENL													1.17	( 0.86- 1.59)
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
29	CHEN	10	c	h	c	n	2	20	-	-	-	-	1.20	( 0.70- 2.20)
*30	ENSTRO	16	m	s	e	f	2	8	-	-	-	-	0.93	( 0.83- 1.04)
*30	ENSTRO	32	f	s	e	f	2	8	-	-	-	-	0.99	( 0.92- 1.08)

Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 12  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 By results available on dose-response - adjusted

results given

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI	
									Case	Cont	Case	Cont			
Subtotal ENSTRO									152	212	269	563	0.97 (	0.91-	1.03)
Partial Totals															
*prospective study															

Relative risks			none	no assoc	sig assc	results	Total
	N	10				32	42
	NS	7				20	27
	Wt	389.66				5184.98	5574.64
Het	Chi	21.09				53.50	86.55
Het	df	9				31	41
Het	P	*				**	***
Fixed	RR	1.26				1.05	1.07
	RRl	1.14				1.02	1.04
	RRu	1.39				1.08	1.09
	P	+++				+++	+++
Random	RR	1.37				1.09	1.14
	RRl	1.12				1.04	1.07
	RRu	1.68				1.15	1.20
	P	++				+++	+++
Asymm	P	N.S.				***	***
Between	Chi					11.96	11.96
Between	df					1	1
Between	P		N.S.		N.S.	---	***

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 13

ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
By spouse the index or not - adjusted

Yes										Numbers Exposed		Non-exposed		RR	95.00%CI
StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Case	Cont	Case	Cont			
*1	HIRAYA	6	f	s	e	f	2	1	-	-	-	-	1.16 ( 0.94- 1.43)		
*2	GARLAN	5	f	s	e	f	2	5	-	-	-	-	2.70 ( 0.63- 11.58)		
3	LEE	2	m	s	m	n	2	2	-	-	-	-	1.24 ( 0.59- 2.59)		
3	LEE	4	f	s	m	n	2	2	-	-	-	-	0.93 ( 0.54- 1.61)		
Subtotal	LEE												1.03 ( 0.66- 1.60)		
4	MARTIN	1	f	s	e	n	2	6	-	-	-	-	2.60 ( 1.20- 5.70)		
*5	SVENDS	2	m	s	c	b	2	6	-	-	-	-	1.61 ( 0.96- 2.71)		
*6	BUTLER	2	f	s	e	f	2	1	-	-	-	-	1.07 ( 0.65- 1.75)		
*11	HUMBLE	1	f	s	c	f	8	4	-	-	-	-	1.59 ( 0.99- 2.57)		
13	LAVECC	2	m	s	e	n	2	0	9	21	55	140	1.09 ( 0.47- 2.53)		
13	LAVECC	1	f	s	e	n	2	0	32	39	11	17	1.27 ( 0.52- 3.09)		
Subtotal	LAVECC												1.17 ( 0.64- 2.16)		
14	LAYARD	2	m	s	e	f	2	2	-	-	-	-	0.97 ( 0.73- 1.28)		
14	LAYARD	10	f	s	e	f	2	2	-	-	-	-	0.99 ( 0.84- 1.16)		
Subtotal	LAYARD												0.98 ( 0.86- 1.13)		
*15	LEVOIS	1	m	s	e	f	2	2	-	-	-	-	0.97 ( 0.90- 1.05)		
*15	LEVOIS	6	f	s	e	f	2	2	-	-	-	-	1.03 ( 0.98- 1.08)		
Subtotal	LEVOIS												1.01 ( 0.97- 1.06)		
17	MUSCAT	1	m	s	e	n	2	0	20	25	48	83	1.38 ( 0.70- 2.75)		
17	MUSCAT	2	f	s	e	n	2	0	28	27	18	23	1.33 ( 0.59- 2.99)		
Subtotal	MUSCAT												1.36 ( 0.80- 2.30)		
*19	STEENL	3	m	s	e	f	2	12	-	-	-	-	1.09 ( 0.98- 1.21)		
*19	STEENL	4	f	s	e	f	2	13	-	-	-	-	1.04 ( 0.93- 1.16)		
Subtotal	STEENL												1.07 ( 0.99- 1.15)		
20	JANGHO	1	f	s	e	n	2	0	63	100	137	300	1.38 ( 0.95- 2.01)		
22	CIRUZZ	7	m	s	c	n	2	9	-	-	-	-	1.18 ( 0.55- 2.52)		
22	CIRUZZ	8	f	s	c	n	2	9	-	-	-	-	1.73 ( 0.89- 3.36)		
Subtotal	CIRUZZ												1.47 ( 0.89- 2.42)		
25	HE	2	f	s	e	n	2	6	-	-	-	-	1.60 ( 0.94- 2.90)		
27	ROSENL	2	m	s	e	n	2	8	-	-	-	-	0.96 ( 0.64- 1.44)		
27	ROSENL	14	f	s	e	n	2	8	-	-	-	-	1.53 ( 0.95- 2.44)		
Subtotal	ROSENL												1.17 ( 0.86- 1.59)		
*30	ENSTRO	16	m	s	e	f	2	8	-	-	-	-	0.93 ( 0.83- 1.04)		
*30	ENSTRO	32	f	s	e	f	2	8	-	-	-	-	0.99 ( 0.92- 1.08)		
Subtotal	ENSTRO												0.97 ( 0.91- 1.03)		
Partial Totals									152	212	269	563			
*prospective study															
No															
StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI	
Case	Cont	Case	Cont												
*8	HOLE	3	m	h	e	f	2	5	-	-	-	-	1.73 ( 1.01- 2.96)		
*8	HOLE	2	f	h	e	f	2	5	-	-	-	-	1.65 ( 0.79- 3.46)		
Subtotal	HOLE												1.70 ( 1.10- 2.63)		
9	JACKSO	4	m	h	c	b	2	2	-	-	-	-	1.06 ( 0.39- 2.91)		
9	JACKSO	2	f	h	c	b	2	2	-	-	-	-	3.74 ( 1.15- 12.19)		
Subtotal	JACKSO												1.80 ( 0.84- 3.87)		
*10	SANDLE	2	m	h	c	f	2	4	-	-	-	-	1.31 ( 1.05- 1.64)		
*10	SANDLE	4	f	h	c	f	2	4	-	-	-	-	1.19 ( 1.04- 1.36)		
Subtotal	SANDLE												1.22 ( 1.09- 1.37)		
12	DOBSON	4	m	h	c	b	2	2	-	-	-	-	0.97 ( 0.50- 1.86)		
12	DOBSON	2	f	h	c	b	2	2	-	-	-	-	2.46 ( 1.47- 4.13)		
Subtotal	DOBSON												1.72 ( 1.15- 2.59)		
18	TUNSTA	2	c	t	c	n	2	4	-	-	-	-	1.34 ( 1.07- 1.67)		
*21	KAWACH	11	f	h	c	b	2	15	-	-	-	-	1.53 ( 0.81- 2.90)		
23	MCELDU	4	m	t	c	b	2	4	-	-	-	-	0.82 ( 0.55- 1.22)		
23	MCELDU	2	f	t	c	b	2	4	-	-	-	-	2.15 ( 1.18- 3.92)		
Subtotal	MCELDU												1.10 ( 0.79- 1.53)		
26	IRIBAR	4	m	h	c	n	2	11	-	-	-	-	1.13 ( 1.00- 1.27)		
26	IRIBAR	19	f	h	c	n	2	11	-	-	-	-	1.20 ( 1.09- 1.30)		
Subtotal	IRIBAR												1.17 ( 1.09- 1.26)		
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33 ( 0.89- 1.99)		

Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 13  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 By spouse the index or not - adjusted

No										Numbers		Non-exposed		RR	95.00%CI	
StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Exposed	Case	Cont	Case	Cont			
29	CHEN	10	c	h	c	n	2	20	-	-	-	-	-	1.20 ( 0.70-	2.20)	
Partial Totals										0	0	0	0			
*prospective study																
Relative risks										Yes	No	Total				
										N	26	42				
										NS	17	27				
										Wt	4312.37	1262.27	5574.64			
										Het Chi	33.93	24.17	86.55			
										Het df	25	15	41			
										Het P	N.S.	(*)	***			
										Fixed RR	1.03	1.22	1.07			
										RRl	1.00	1.15	1.04			
										RRu	1.06	1.29	1.09			
										P	(+)	+++	+++			
										Random RR	1.04	1.26	1.14			
										RRl	1.00	1.15	1.07			
										RRu	1.09	1.39	1.20			
										P	(+)	+++	+++			
										Asymm P	***	(*)	***			
										Between Chi		28.45	28.45			
										Between df		1	1			
										Between P		+++	***			

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 Within each study, results are included (in the following order of preference) for:  
 1) EXP Exposure = spouse (s), household (h), total (t)  
 2) TIM Time of exposure = ever (e), during marriage (m), current (c)  
 3) TYP Disease type = both (b), fatal (f), non-fatal (n)  
 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 14  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 By heart disease type 1 - adjusted

Fatal

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*1	HIRAYA	6	f	s	e	f	2	1	-	-	-	-	1.16	( 0.94- 1.43)
*2	GARLAN	5	f	s	e	f	2	5	-	-	-	-	2.70	( 0.63- 11.58)
*6	BUTLER	2	f	s	e	f	2	1	-	-	-	-	1.07	( 0.65- 1.75)
*8	HOLE	3	m	h	e	f	2	5	-	-	-	-	1.73	( 1.01- 2.96)
*8	HOLE	2	f	h	e	f	2	5	-	-	-	-	1.65	( 0.79- 3.46)
Subtotal HOLE													1.70	( 1.10- 2.63)
*10	SANDLE	2	m	h	c	f	2	4	-	-	-	-	1.31	( 1.05- 1.64)
*10	SANDLE	4	f	h	c	f	2	4	-	-	-	-	1.19	( 1.04- 1.36)
Subtotal SANDLE													1.22	( 1.09- 1.37)
*11	HUMBLE	1	f	s	c	f	8	4	-	-	-	-	1.59	( 0.99- 2.57)
14	LAYARD	2	m	s	e	f	2	2	-	-	-	-	0.97	( 0.73- 1.28)
14	LAYARD	10	f	s	e	f	2	2	-	-	-	-	0.99	( 0.84- 1.16)
Subtotal LAYARD													0.98	( 0.86- 1.13)
*15	LEVOIS	1	m	s	e	f	2	2	-	-	-	-	0.97	( 0.90- 1.05)
*15	LEVOIS	6	f	s	e	f	2	2	-	-	-	-	1.03	( 0.98- 1.08)
Subtotal LEVOIS													1.01	( 0.97- 1.06)
*19	STEENL	3	m	s	e	f	2	12	-	-	-	-	1.09	( 0.98- 1.21)
*19	STEENL	4	f	s	e	f	2	13	-	-	-	-	1.04	( 0.93- 1.16)
Subtotal STEENL													1.07	( 0.99- 1.15)
*30	ENSTRO	16	m	s	e	f	2	8	-	-	-	-	0.93	( 0.83- 1.04)
*30	ENSTRO	32	f	s	e	f	2	8	-	-	-	-	0.99	( 0.92- 1.08)
Subtotal ENSTRO													0.97	( 0.91- 1.03)
Partial Totals									0	0	0	0		
*prospective study														

Nonfatal

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
3	LEE	2	m	s	m	n	2	2	-	-	-	-	1.24	( 0.59- 2.59)
3	LEE	4	f	s	m	n	2	2	-	-	-	-	0.93	( 0.54- 1.61)
Subtotal LEE													1.03	( 0.66- 1.60)
4	MARTIN	1	f	s	e	n	2	6	-	-	-	-	2.60	( 1.20- 5.70)
13	LAVECC	2	m	s	e	n	2	0	9	21	55	140	1.09	( 0.47- 2.53)
13	LAVECC	1	f	s	e	n	2	0	32	39	11	17	1.27	( 0.52- 3.09)
Subtotal LAVECC													1.17	( 0.64- 2.16)
17	MUSCAT	1	m	s	e	n	2	0	20	25	48	83	1.38	( 0.70- 2.75)
17	MUSCAT	2	f	s	e	n	2	0	28	27	18	23	1.33	( 0.59- 2.99)
Subtotal MUSCAT													1.36	( 0.80- 2.30)
18	TUNSTA	2	c	t	c	n	2	4	-	-	-	-	1.34	( 1.07- 1.67)
20	JANGHO	1	f	s	e	n	2	0	63	100	137	300	1.38	( 0.95- 2.01)
22	CIRUZZ	7	m	s	c	n	2	9	-	-	-	-	1.18	( 0.55- 2.52)
22	CIRUZZ	8	f	s	c	n	2	9	-	-	-	-	1.73	( 0.89- 3.36)
Subtotal CIRUZZ													1.47	( 0.89- 2.42)
25	HE	2	f	s	e	n	2	6	-	-	-	-	1.60	( 0.94- 2.90)
26	IRIBAR	4	m	h	c	n	2	11	-	-	-	-	1.13	( 1.00- 1.27)
26	IRIBAR	19	f	h	c	n	2	11	-	-	-	-	1.20	( 1.09- 1.30)
Subtotal IRIBAR													1.17	( 1.09- 1.26)
27	ROSENL	2	m	s	e	n	2	8	-	-	-	-	0.96	( 0.64- 1.44)
27	ROSENL	14	f	s	e	n	2	8	-	-	-	-	1.53	( 0.95- 2.44)
Subtotal ROSENL													1.17	( 0.86- 1.59)
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
29	CHEN	10	c	h	c	n	2	20	-	-	-	-	1.20	( 0.70- 2.20)
Partial Totals									152	212	269	563		
*prospective study														

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 14  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 By heart disease type 1 - adjusted

Both

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*5	SVENDS	2	m	s	c	b	2	6	-	-	-	-	1.61	( 0.96- 2.71)
9	JACKSO	4	m	h	c	b	2	2	-	-	-	-	1.06	( 0.39- 2.91)
9	JACKSO	2	f	h	c	b	2	2	-	-	-	-	3.74	( 1.15- 12.19)
Subtotal	JACKSO												1.80	( 0.84- 3.87)
12	DOBSON	4	m	h	c	b	2	2	-	-	-	-	0.97	( 0.50- 1.86)
12	DOBSON	2	f	h	c	b	2	2	-	-	-	-	2.46	( 1.47- 4.13)
Subtotal	DOBSON												1.72	( 1.15- 2.59)
*21	KAWACH	11	f	h	c	b	2	15	-	-	-	-	1.53	( 0.81- 2.90)
23	MCELDU	4	m	t	c	b	2	4	-	-	-	-	0.82	( 0.55- 1.22)
23	MCELDU	2	f	t	c	b	2	4	-	-	-	-	2.15	( 1.18- 3.92)
Subtotal	MCELDU												1.10	( 0.79- 1.53)
Partial Totals									0	0	0	0		
*prospective study														

Relative risks		Fatal	Nonfatal	Both	Total
	N	16	18	8	42
	NS	10	12	5	27
	Wt	4463.30	1022.89	88.45	5574.64
	Het Chi	28.14	11.91	17.96	86.55
	Het df	15	17	7	41
	Het P	*	N.S.	*	***
Fixed	RR	1.03	1.21	1.42	1.07
	RRl	1.00	1.14	1.15	1.04
	RRu	1.06	1.29	1.74	1.09
	P	+	+++	++	+++
Random	RR	1.05	1.21	1.51	1.14
	RRl	1.00	1.14	1.06	1.07
	RRu	1.10	1.29	2.15	1.20
	P	(+)	+++	+	+++
Asymm	P	*	(*)	N.S.	***
Between	Chi		21.32	8.75	28.53
Between	df		1	1	2
Between	P		+++	++	***

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)



Table 15  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 By heart disease type 2 - adjusted

IHD										Numbers Exposed		Non-exposed		RR	95.00%CI
StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Case	Cont	Case	Cont			
*1	HIRAYA	6	f	s	e	f	2	1	-	-	-	-	1.16 ( 0.94- 1.43)		
*2	GARLAN	5	f	s	e	f	2	5	-	-	-	-	2.70 ( 0.63- 11.58)		
3	LEE	2	m	s	m	n	2	2	-	-	-	-	1.24 ( 0.59- 2.59)		
3	LEE	4	f	s	m	n	2	2	-	-	-	-	0.93 ( 0.54- 1.61)		
Subtotal	LEE												1.03 ( 0.66- 1.60)		
*5	SVENDS	2	m	s	c	b	2	6	-	-	-	-	1.61 ( 0.96- 2.71)		
*6	BUTLER	2	f	s	e	f	2	1	-	-	-	-	1.07 ( 0.65- 1.75)		
14	LAYARD	2	m	s	e	f	2	2	-	-	-	-	0.97 ( 0.73- 1.28)		
14	LAYARD	10	f	s	e	f	2	2	-	-	-	-	0.99 ( 0.84- 1.16)		
Subtotal	LAYARD												0.98 ( 0.86- 1.13)		
18	TUNSTA	2	c	t	c	n	2	4	-	-	-	-	1.34 ( 1.07- 1.67)		
*19	STEENL	3	m	s	e	f	2	12	-	-	-	-	1.09 ( 0.98- 1.21)		
*19	STEENL	4	f	s	e	f	2	13	-	-	-	-	1.04 ( 0.93- 1.16)		
Subtotal	STEENL												1.07 ( 0.99- 1.15)		
20	JANGHO	1	f	s	e	n	2	0	63	100	137	300	1.38 ( 0.95- 2.01)		
29	CHEN	10	c	h	c	n	2	20	-	-	-	-	1.20 ( 0.70- 2.20)		
*30	ENSTRO	16	m	s	e	f	2	8	-	-	-	-	0.93 ( 0.83- 1.04)		
*30	ENSTRO	32	f	s	e	f	2	8	-	-	-	-	0.99 ( 0.92- 1.08)		
Subtotal	ENSTRO												0.97 ( 0.91- 1.03)		
Partial Totals									63	100	137	300			
*prospective study															
MI										Numbers Exposed		Non-exposed		RR	95.00%CI
StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Case	Cont	Case	Cont			
4	MARTIN	1	f	s	e	n	2	6	-	-	-	-	2.60 ( 1.20- 5.70)		
13	LAVECC	2	m	s	e	n	2	0	9	21	55	140	1.09 ( 0.47- 2.53)		
13	LAVECC	1	f	s	e	n	2	0	32	39	11	17	1.27 ( 0.52- 3.09)		
Subtotal	LAVECC												1.17 ( 0.64- 2.16)		
17	MUSCAT	1	m	s	e	n	2	0	20	25	48	83	1.38 ( 0.70- 2.75)		
17	MUSCAT	2	f	s	e	n	2	0	28	27	18	23	1.33 ( 0.59- 2.99)		
Subtotal	MUSCAT												1.36 ( 0.80- 2.30)		
22	CIRUZZ	7	m	s	c	n	2	9	-	-	-	-	1.18 ( 0.55- 2.52)		
22	CIRUZZ	8	f	s	c	n	2	9	-	-	-	-	1.73 ( 0.89- 3.36)		
Subtotal	CIRUZZ												1.47 ( 0.89- 2.42)		
23	MCELDU	4	m	t	c	b	2	4	-	-	-	-	0.82 ( 0.55- 1.22)		
23	MCELDU	2	f	t	c	b	2	4	-	-	-	-	2.15 ( 1.18- 3.92)		
Subtotal	MCELDU												1.10 ( 0.79- 1.53)		
27	ROENL	2	m	s	e	n	2	8	-	-	-	-	0.96 ( 0.64- 1.44)		
27	ROENL	14	f	s	e	n	2	8	-	-	-	-	1.53 ( 0.95- 2.44)		
Subtotal	ROENL												1.17 ( 0.86- 1.59)		
Partial Totals									89	112	132	263			
*prospective study															
other										Numbers Exposed		Non-exposed		RR	95.00%CI
StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Case	Cont	Case	Cont			
*10	SANDLE	2	m	h	c	f	2	4	-	-	-	-	1.31 ( 1.05- 1.64)		
*10	SANDLE	4	f	h	c	f	2	4	-	-	-	-	1.19 ( 1.04- 1.36)		
Subtotal	SANDLE												1.22 ( 1.09- 1.37)		
*11	HUMBLE	1	f	s	c	f	8	4	-	-	-	-	1.59 ( 0.99- 2.57)		
*15	LEVOIS	1	m	s	e	f	2	2	-	-	-	-	0.97 ( 0.90- 1.05)		
*15	LEVOIS	6	f	s	e	f	2	2	-	-	-	-	1.03 ( 0.98- 1.08)		
Subtotal	LEVOIS												1.01 ( 0.97- 1.06)		
25	HE	2	f	s	e	n	2	6	-	-	-	-	1.60 ( 0.94- 2.90)		
26	IRIBAR	4	m	h	c	n	2	11	-	-	-	-	1.13 ( 1.00- 1.27)		
26	IRIBAR	19	f	h	c	n	2	11	-	-	-	-	1.20 ( 1.09- 1.30)		
Subtotal	IRIBAR												1.17 ( 1.09- 1.26)		
Partial Totals									0	0	0	0			
*prospective study															

Within each study, results are included (in the following order of preference) for:  
 1) EXP Exposure = spouse (s), household (h), total (t)  
 2) TIM Time of exposure = ever (e), during marriage (m), current (c)  
 3) TYP Disease type = both (b), fatal (f), non-fatal (n)  
 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 15  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 By heart disease type 2 - adjusted

mixed

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*8	HOLE	3	m	h	e	f	2	5	-	-	-	-	1.73 ( 1.01- 2.96)	
*8	HOLE	2	f	h	e	f	2	5	-	-	-	-	1.65 ( 0.79- 3.46)	
Subtotal HOLE														
9	JACKSO	4	m	h	c	b	2	2	-	-	-	-	1.06 ( 0.39- 2.91)	
9	JACKSO	2	f	h	c	b	2	2	-	-	-	-	3.74 ( 1.15- 12.19)	
Subtotal JACKSO														
12	DOBSON	4	m	h	c	b	2	2	-	-	-	-	0.97 ( 0.50- 1.86)	
12	DOBSON	2	f	h	c	b	2	2	-	-	-	-	2.46 ( 1.47- 4.13)	
Subtotal DOBSON														
*21	KAWACH	11	f	h	c	b	2	15	-	-	-	-	1.53 ( 0.81- 2.90)	
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33 ( 0.89- 1.99)	
Partial Totals									0	0	0	0		
*prospective study														

Relative risks		IHD	MI	other	mixed	Total
	N	15	11	8	8	42
	NS	11	6	5	5	27
	Wt	2011.86	121.40	3358.00	83.38	5574.64
	Het Chi	19.74	14.31	26.08	8.43	86.55
	Het df	14	10	7	7	41
	Het P	N.S.	N.S.	***	N.S.	***
Fixed	RR	1.03	1.25	1.07	1.58	1.07
	RRl	0.99	1.05	1.03	1.27	1.04
	RRu	1.08	1.50	1.11	1.96	1.09
	P	N.S.	+	+++	+++	+++
Random	RR	1.05	1.31	1.13	1.59	1.14
	RRl	0.99	1.05	1.04	1.25	1.07
	RRu	1.12	1.63	1.23	2.02	1.20
	P	(+)	+	++	+++	+++
Asymm	P	*	(*)	*	N.S.	***
Between	Chi		4.27	1.34	14.37	17.99
Between	df		1	1	1	3
Between	P		+	N.S.	+++	***

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 16  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 Overall - adjusted

Overall

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI	
									Case	Cont	Case	Cont			
*1	HIRAYA	6	f	s	e	f	2	1	-	-	-	-	1.16	( 0.94-	1.43)
*2	GARLAN	4	f	s	c	f	8	1	-	-	-	-	2.25	( 0.32-	15.74)
3	LEE	2	m	s	m	n	2	2	-	-	-	-	1.24	( 0.59-	2.59)
3	LEE	4	f	s	m	n	2	2	-	-	-	-	0.93	( 0.54-	1.61)
Subtotal	LEE												1.03	( 0.66-	1.60)
4	MARTIN	1	f	s	e	n	2	6	-	-	-	-	2.60	( 1.20-	5.70)
*5	SVENDS	2	m	s	c	b	2	6	-	-	-	-	1.61	( 0.96-	2.71)
*6	BUTLER	4	f	s	c	f	8	1	-	-	-	-	1.40	( 0.51-	3.84)
*8	HOLE	3	m	h	e	f	2	5	-	-	-	-	1.73	( 1.01-	2.96)
*8	HOLE	2	f	h	e	f	2	5	-	-	-	-	1.65	( 0.79-	3.46)
Subtotal	HOLE												1.70	( 1.10-	2.63)
9	JACKSO	4	m	h	c	b	2	2	-	-	-	-	1.06	( 0.39-	2.91)
9	JACKSO	2	f	h	c	b	2	2	-	-	-	-	3.74	( 1.15-	12.19)
Subtotal	JACKSO												1.80	( 0.84-	3.87)
*10	SANDLE	2	m	h	c	f	2	4	-	-	-	-	1.31	( 1.05-	1.64)
*10	SANDLE	4	f	h	c	f	2	4	-	-	-	-	1.19	( 1.04-	1.36)
Subtotal	SANDLE												1.22	( 1.09-	1.37)
*11	HUMBLE	1	f	s	c	f	8	4	-	-	-	-	1.59	( 0.99-	2.57)
12	DOBSON	4	m	h	c	b	2	2	-	-	-	-	0.97	( 0.50-	1.86)
12	DOBSON	2	f	h	c	b	2	2	-	-	-	-	2.46	( 1.47-	4.13)
Subtotal	DOBSON												1.72	( 1.15-	2.59)
13	LAVECC	6	m	s	c	n	8	8	-	-	-	-	1.09	( 0.39-	3.01)
13	LAVECC	4	f	s	c	n	8	8	-	-	-	-	1.36	( 0.46-	4.05)
Subtotal	LAVECC												1.21	( 0.57-	2.55)
14	LAYARD	2	m	s	e	f	2	2	-	-	-	-	0.97	( 0.73-	1.28)
14	LAYARD	10	f	s	e	f	2	2	-	-	-	-	0.99	( 0.84-	1.16)
Subtotal	LAYARD												0.98	( 0.86-	1.13)
*15	LEVOIS	2	m	s	c	f	8	2	-	-	-	-	0.98	( 0.91-	1.06)
*15	LEVOIS	7	f	s	c	f	8	2	-	-	-	-	1.04	( 0.99-	1.09)
Subtotal	LEVOIS												1.02	( 0.98-	1.07)
17	MUSCAT	1	m	s	e	n	2	0	20	25	48	83	1.38	( 0.70-	2.75)
17	MUSCAT	2	f	s	e	n	2	0	28	27	18	23	1.33	( 0.59-	2.99)
Subtotal	MUSCAT												1.36	( 0.80-	2.30)
18	TUNSTA	2	c	t	c	n	2	4	-	-	-	-	1.34	( 1.07-	1.67)
*19	STEENL	1	m	s	c	f	8	12	-	-	-	-	1.22	( 1.07-	1.40)
*19	STEENL	2	f	s	c	f	8	13	-	-	-	-	1.10	( 0.96-	1.27)
Subtotal	STEENL												1.16	( 1.05-	1.28)
20	JANGHO	1	f	s	e	n	2	0	63	100	137	300	1.38	( 0.95-	2.01)
*21	KAWACH	11	f	h	c	b	2	15	-	-	-	-	1.53	( 0.81-	2.90)
22	CIRUZZ	7	m	s	c	n	2	9	-	-	-	-	1.18	( 0.55-	2.52)
22	CIRUZZ	8	f	s	c	n	2	9	-	-	-	-	1.73	( 0.89-	3.36)
Subtotal	CIRUZZ												1.47	( 0.89-	2.42)
23	MCELDU	4	m	t	c	b	2	4	-	-	-	-	0.82	( 0.55-	1.22)
23	MCELDU	2	f	t	c	b	2	4	-	-	-	-	2.15	( 1.18-	3.92)
Subtotal	MCELDU												1.10	( 0.79-	1.53)
25	HE	2	f	s	e	n	2	6	-	-	-	-	1.60	( 0.94-	2.90)
26	IRIBAR	4	m	h	c	n	2	11	-	-	-	-	1.13	( 1.00-	1.27)
26	IRIBAR	19	f	h	c	n	2	11	-	-	-	-	1.20	( 1.09-	1.30)
Subtotal	IRIBAR												1.17	( 1.09-	1.26)
27	ROSENL	4	m	s	c	n	8	8	-	-	-	-	0.98	( 0.57-	1.69)
27	ROSENL	16	f	s	c	n	8	8	-	-	-	-	2.59	( 1.27-	5.29)
Subtotal	ROSENL												1.40	( 0.91-	2.16)
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89-	1.99)
29	CHEN	10	c	h	c	n	2	20	-	-	-	-	1.20	( 0.70-	2.20)
*30	ENSTRO	15	m	s	c	f	8	8	-	-	-	-	0.92	( 0.80-	1.05)
*30	ENSTRO	31	f	s	c	f	8	8	-	-	-	-	0.97	( 0.89-	1.06)
Subtotal	ENSTRO												0.96	( 0.89-	1.03)
Partial Totals									111	152	203	406			
*prospective study															

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 16  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 Overall - adjusted

Overall

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Ys	Ws	Qs	Ps
*1	HIRAYA	6	f	s	e	f	2	1	0.15	87.29	0.45	0.1655
*2	GARLAN	4	f	s	c	f	8	1	0.81	1.01	0.55	0.4145
3	LEE	2	m	s	m	n	2	2	0.22	7.02	0.13	0.5687
3	LEE	4	f	s	m	n	2	2	-0.07	12.88	0.29	0.7946
Subtotal	LEE								-0.01	19.90	0.42	
4	MARTIN	1	f	s	e	n	2	6	0.96	6.33	4.89	0.0162
*5	SVENDS	2	m	s	c	b	2	6	0.48	14.27	2.28	0.0720
*6	BUTLER	4	f	s	c	f	8	1	0.34	3.77	0.25	0.5135
*8	HOLE	3	m	h	e	f	2	5	0.55	13.29	2.96	0.0457
*8	HOLE	2	f	h	e	f	2	5	0.50	7.04	1.27	0.1838
Subtotal	HOLE								0.90	20.33	4.22	
9	JACKSO	4	m	h	c	b	2	2	0.06	3.80	0.00	0.9095
9	JACKSO	2	f	h	c	b	2	2	1.32	2.76	4.26	0.0285
Subtotal	JACKSO								1.22	6.56	4.26	
*10	SANDLE	2	m	h	c	f	2	4	0.27	77.28	2.89	0.0176
*10	SANDLE	4	f	h	c	f	2	4	0.17	213.52	2.03	0.0110
Subtotal	SANDLE								0.29	290.80	4.92	
*11	HUMBLE	1	f	s	c	f	8	4	0.46	16.88	2.53	0.0567
12	DOBSON	4	m	h	c	b	2	2	-0.03	8.90	0.10	0.9276
12	DOBSON	2	f	h	c	b	2	2	0.90	14.40	9.77	0.0006
Subtotal	DOBSON								0.72	23.30	9.87	
13	LAVECC	6	m	s	c	n	8	8	0.09	3.68	0.00	0.8687
13	LAVECC	4	f	s	c	n	8	8	0.31	3.25	0.17	0.5795
Subtotal	LAVECC								0.24	6.93	0.17	
14	LAYARD	2	m	s	e	f	2	2	-0.03	48.72	0.56	0.8316
14	LAYARD	10	f	s	e	f	2	2	-0.01	147.49	1.11	0.9029
Subtotal	LAYARD								-0.19	196.21	1.66	
*15	LEVOIS	2	m	s	c	f	8	2	-0.02	660.03	6.18	0.6037
*15	LEVOIS	7	f	s	c	f	8	2	0.04	1659.41	2.31	0.1101
Subtotal	LEVOIS								-0.13	2319.43	8.49	
17	MUSCAT	1	m	s	e	n	2	0	0.32	8.14	0.50	0.3546
17	MUSCAT	2	f	s	e	n	2	0	0.28	5.82	0.24	0.4970
Subtotal	MUSCAT								0.45	13.96	0.74	
18	TUNSTA	2	c	t	c	n	2	4	0.29	77.54	3.62	0.0100
*19	STEENL	1	m	s	c	f	8	12	0.20	212.64	3.18	0.0037
*19	STEENL	2	f	s	c	f	8	13	0.10	196.22	0.07	0.1818
Subtotal	STEENL								0.14	408.86	3.25	
20	JANGHO	1	f	s	e	n	2	0	0.32	27.39	1.65	0.0922
*21	KAWACH	11	f	h	c	b	2	15	0.43	9.45	1.15	0.1912
22	CIRUZZ	7	m	s	c	n	2	9	0.17	6.63	0.05	0.6699
22	CIRUZZ	8	f	s	c	n	2	9	0.55	8.71	1.94	0.1058
Subtotal	CIRUZZ								0.56	15.34	1.99	
23	MCELDU	4	m	t	c	b	2	4	-0.20	24.21	1.83	0.3288
23	MCELDU	2	f	t	c	b	2	4	0.77	10.66	5.06	0.0124
Subtotal	MCELDU								0.41	34.87	6.89	
25	HE	2	f	s	e	n	2	6	0.47	12.11	1.87	0.1020
26	IRIBAR	4	m	h	c	n	2	11	0.12	268.97	0.56	0.0450
26	IRIBAR	19	f	h	c	n	2	11	0.18	495.01	5.54	0.0000
Subtotal	IRIBAR								0.15	763.97	6.10	
27	ROSENL	4	m	s	c	n	8	8	-0.02	13.01	0.12	0.9419
27	ROSENL	16	f	s	c	n	8	8	0.95	7.55	5.78	0.0089
Subtotal	ROSENL								0.78	20.56	5.90	
28	PITSAV	9	c	h	c	n	a	6	0.29	23.73	1.03	0.1648
29	CHEN	10	c	h	c	n	2	20	0.18	11.72	0.13	0.5326
*30	ENSTRO	15	m	s	c	f	8	8	-0.08	207.79	5.32	0.2294
*30	ENSTRO	31	f	s	c	f	8	8	-0.03	502.87	5.76	0.4946
Subtotal	ENSTRO								-0.27	710.67	11.08	

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 Within each study, results are included (in the following order of preference) for:  
 1) EXP Exposure = spouse (s), household (h), total (t)  
 2) TIM Time of exposure = current (c), ever (e), during marriage (m)  
 3) TYP Disease type = both (b), fatal (f), non-fatal (n)  
 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 16  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 Overall - adjusted

Relative risks

	N	42
	NS	27
	Wt	5143.18
Het	Chi	90.37
Het	df	41
Het	P	***
Fixed	RR	1.08
	RRl	1.05
	RRu	1.11
	P	+++
Random	RR	1.16
	RRl	1.09
	RRu	1.23
	P	+++
Asymm	P	***

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 Within each study, results are included (in the following order of preference) for:  
 1) EXP Exposure = spouse (s), household (h), total (t)  
 2) TIM Time of exposure = current (c), ever (e), during marriage (m)  
 3) TYP Disease type = both (b), fatal (f), non-fatal (n)  
 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 17  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 Overall - unadjusted

Overall

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*1	HIRAYA	3	f	s	e	f	2	0	376	69645	118	21895	1.00	( 0.82- 1.23)
*2	GARLAN	2	f	s	c	f	8	0	2	97	2	203	2.09	( 0.30- 14.64)
3	LEE	1	m	s	m	n	2	0	15	40	26	93	1.34	( 0.64- 2.80)
3	LEE	3	f	s	m	n	2	0	55	229	22	89	0.97	( 0.56- 1.69)
Subtotal	LEE												1.09	( 0.70- 1.70)
4	MARTIN	1	f	s	e	n	2	6	-	-	-	-	2.60	( 1.20- 5.70)
*5	SVENDS	1	m	s	c	b	2	0	21	286	48	959	1.47	( 0.89- 2.41)
*6	BUTLER	3	f	s	c	f	8	0	4	2487	60	43053	1.15	( 0.42- 3.17)
*8	HOLE	3	m	h	e	f	2	5	-	-	-	-	1.73	( 1.01- 2.96)
*8	HOLE	2	f	h	e	f	2	5	-	-	-	-	1.65	( 0.79- 3.46)
Subtotal	HOLE												1.70	( 1.10- 2.63)
9	JACKSO	3	m	h	c	b	2	0	-	-	-	-	1.10	( 0.40- 3.00)
9	JACKSO	1	f	h	c	b	2	0	-	-	-	-	4.00	( 1.35- 13.10)
Subtotal	JACKSO												1.94	( 0.91- 4.13)
*10	SANDLE	1	m	h	c	f	2	0	122	1248	248	2914	1.15	( 0.93- 1.41)
*10	SANDLE	3	f	h	c	f	2	0	551	9551	437	5322	0.70	( 0.62- 0.79)
Subtotal	SANDLE												0.80	( 0.72- 0.88)
*11	HUMBLE	1	f	s	c	f	8	4	-	-	-	-	1.59	( 0.99- 2.57)
12	DOBSON	3	m	h	c	b	2	0	22	34	161	259	1.04	( 0.59- 1.84)
12	DOBSON	1	f	h	c	b	2	0	43	99	117	433	1.61	( 1.06- 2.43)
Subtotal	DOBSON												1.39	( 0.99- 1.93)
13	LAVECC	5	m	s	c	n	8	0	7	17	55	140	1.05	( 0.41- 2.67)
13	LAVECC	3	f	s	c	n	8	0	17	20	11	17	1.31	( 0.48- 3.56)
Subtotal	LAVECC												1.16	( 0.59- 2.30)
14	LAYARD	1	m	s	e	f	2	0	97	215	378	783	0.93	( 0.71- 1.22)
14	LAYARD	9	f	s	e	f	2	0	455	961	459	969	1.00	( 0.85- 1.17)
Subtotal	LAYARD												0.98	( 0.86- 1.13)
*15	LEVOIS	2	m	s	c	f	8	2	-	-	-	-	0.98	( 0.91- 1.06)
*15	LEVOIS	7	f	s	c	f	8	2	-	-	-	-	1.04	( 0.99- 1.09)
Subtotal	LEVOIS												1.02	( 0.98- 1.07)
17	MUSCAT	1	m	s	e	n	2	0	20	25	48	83	1.38	( 0.70- 2.75)
17	MUSCAT	2	f	s	e	n	2	0	28	27	18	23	1.33	( 0.59- 2.99)
Subtotal	MUSCAT												1.36	( 0.80- 2.30)
18	TUNSTA	1	c	t	c	n	2	0	329	1216	99	483	1.32	( 1.03- 1.69)
*19	STEENL	1	m	s	c	f	8	12	-	-	-	-	1.22	( 1.07- 1.40)
*19	STEENL	2	f	s	c	f	8	13	-	-	-	-	1.10	( 0.96- 1.27)
Subtotal	STEENL												1.16	( 1.05- 1.28)
20	JANGHO	1	f	s	e	n	2	0	63	100	137	300	1.38	( 0.95- 2.01)
*21	KAWACH	11	f	h	c	b	2	15	-	-	-	-	1.53	( 0.81- 2.90)
22	CIRUZZ	5	m	s	c	n	2	0	15	22	141	206	1.00	( 0.50- 1.99)
22	CIRUZZ	6	f	s	c	n	2	0	29	25	151	193	1.48	( 0.83- 2.64)
Subtotal	CIRUZZ												1.26	( 0.81- 1.96)
23	MCELDU	3	m	t	c	b	2	0	53	172	145	373	0.79	( 0.55- 1.14)
23	MCELDU	1	f	t	c	b	2	0	31	147	54	479	1.87	( 1.16- 3.02)
Subtotal	MCELDU												1.08	( 0.81- 1.45)
25	HE	1	f	s	e	n	2	0	76	95	39	113	2.32	( 1.44- 3.72)
26	IRIBAR	4	m	h	c	n	2	11	-	-	-	-	1.13	( 1.00- 1.27)
26	IRIBAR	19	f	h	c	n	2	11	-	-	-	-	1.20	( 1.09- 1.30)
Subtotal	IRIBAR												1.17	( 1.09- 1.26)
27	ROSENL	3	m	s	c	n	8	0	27	51	141	285	1.07	( 0.64- 1.78)
27	ROSENL	15	f	s	c	n	8	0	21	24	59	144	2.14	( 1.10- 4.13)
Subtotal	ROSENL												1.38	( 0.93- 2.07)
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
29	CHEN	10	c	h	c	n	2	20	-	-	-	-	1.20	( 0.70- 2.20)
*30	ENSTRO	7	m	s	c	f	8	1	-	-	-	-	0.94	( 0.83- 1.07)
*30	ENSTRO	23	f	s	c	f	8	1	-	-	-	-	1.01	( 0.93- 1.09)
Subtotal	ENSTRO												0.99	( 0.93- 1.06)
Partial Totals									2479	86833	3174	79811		
*prospective study														

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 17  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 Overall - unadjusted

Overall

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Ys	Ws	Qs	Ps
*1	HIRAYA	3	f	s	e	f	2	0	0.00	90.30	0.21	0.9867
*2	GARLAN	2	f	s	c	f	8	0	0.74	1.02	0.48	0.4568
3	LEE	1	m	s	m	n	2	0	0.29	7.10	0.42	0.4340
3	LEE	3	f	s	m	n	2	0	-0.03	12.62	0.08	0.9185
Subtotal	LEE								0.17	19.72	0.50	
4	MARTIN	1	f	s	e	n	2	6	0.96	6.33	5.19	0.0162
*5	SVENDS	1	m	s	c	b	2	0	0.38	15.65	1.74	0.1296
*6	BUTLER	3	f	s	c	f	8	0	0.14	3.76	0.03	0.7812
*8	HOLE	3	m	h	e	f	2	5	0.55	13.29	3.30	0.0457
*8	HOLE	2	f	h	e	f	2	5	0.50	7.04	1.43	0.1838
Subtotal	HOLE								0.95	20.33	4.73	
9	JACKSO	3	m	h	c	b	2	0	0.10	3.78	0.01	0.8529
9	JACKSO	1	f	h	c	b	2	0	1.39	2.98	5.31	0.0168
Subtotal	JACKSO								1.38	6.76	5.32	
*10	SANDLE	1	m	h	c	f	2	0	0.14	90.22	0.71	0.1881
*10	SANDLE	3	f	h	c	f	2	0	-0.35	262.43	42.58	0.0000
Subtotal	SANDLE								-0.31	352.64	43.29	
*11	HUMBLE	1	f	s	c	f	8	4	0.46	16.88	2.89	0.0567
12	DOBSON	3	m	h	c	b	2	0	0.04	11.77	0.00	0.8905
12	DOBSON	1	f	h	c	b	2	0	0.47	22.62	4.08	0.0240
Subtotal	DOBSON								0.42	34.39	4.08	
13	LAVECC	5	m	s	c	n	8	0	0.05	4.41	0.00	0.9214
13	LAVECC	3	f	s	c	n	8	0	0.27	3.87	0.19	0.5916
Subtotal	LAVECC								0.22	8.27	0.19	
14	LAYARD	1	m	s	e	f	2	0	-0.07	52.96	0.73	0.6223
14	LAYARD	9	f	s	e	f	2	0	-0.00	155.06	0.39	0.9954
Subtotal	LAYARD								-0.17	208.02	1.12	
*15	LEVOIS	2	m	s	c	f	8	2	-0.02	660.03	3.24	0.6037
*15	LEVOIS	7	f	s	c	f	8	2	0.04	1659.41	0.19	0.1101
Subtotal	LEVOIS								-0.08	2319.43	3.42	
17	MUSCAT	1	m	s	e	n	2	0	0.32	8.14	0.61	0.3546
17	MUSCAT	2	f	s	e	n	2	0	0.28	5.82	0.31	0.4970
Subtotal	MUSCAT								0.51	13.96	0.93	
18	TUNSTA	1	c	t	c	n	2	0	0.28	62.37	3.24	0.0283
*19	STEENL	1	m	s	c	f	8	12	0.20	212.64	4.72	0.0037
*19	STEENL	2	f	s	c	f	8	13	0.10	196.22	0.41	0.1818
Subtotal	STEENL								0.19	408.86	5.13	
20	JANGHO	1	f	s	e	n	2	0	0.32	27.39	2.03	0.0922
*21	KAWACH	11	f	h	c	b	2	15	0.43	9.45	1.33	0.1912
22	CIRUZZ	5	m	s	c	n	2	0	-0.00	8.06	0.02	0.9912
22	CIRUZZ	6	f	s	c	n	2	0	0.39	11.59	1.37	0.1800
Subtotal	CIRUZZ								0.29	19.65	1.39	
23	MCELDU	3	m	t	c	b	2	0	-0.23	29.19	2.32	0.2093
23	MCELDU	1	f	t	c	b	2	0	0.63	16.76	5.57	0.0104
Subtotal	MCELDU								0.29	45.95	7.89	
25	HE	1	f	s	e	n	2	0	0.84	17.19	10.75	0.0005
26	IRIBAR	4	m	h	c	n	2	11	0.12	268.97	1.41	0.0450
26	IRIBAR	19	f	h	c	n	2	11	0.18	495.01	8.69	0.0000
Subtotal	IRIBAR								0.20	763.97	10.10	
27	ROSENL	3	m	s	c	n	8	0	0.07	14.87	0.00	0.7939
27	ROSENL	15	f	s	c	n	8	0	0.76	8.84	4.44	0.0241
Subtotal	ROSENL								0.73	23.71	4.45	
28	PITSAV	9	c	h	c	n	a	6	0.29	23.73	1.31	0.1648
29	CHEN	10	c	h	c	n	2	20	0.18	11.72	0.21	0.5326
*30	ENSTRO	7	m	s	c	f	8	1	-0.06	238.19	2.97	0.3396
*30	ENSTRO	23	f	s	c	f	8	1	0.01	609.73	0.97	0.8059
Subtotal	ENSTRO								-0.15	847.92	3.94	

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 1) EXP Exposure = spouse (s), household (h), total (t)  
 2) TIM Time of exposure = current (c), ever (e), during marriage (m)  
 3) TYP Disease type = both (b), fatal (f), non-fatal (n)  
 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 17  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 Overall - unadjusted

Relative risks

	N	42
	NS	27
	Wt	5379.37
Het	Chi	125.91
Het	df	41
Het	P	***
Fixed	RR	1.05
	RRl	1.02
	RRu	1.08
	P	+++
Random	RR	1.14
	RRl	1.06
	RRu	1.21
	P	+++
Asymm	P	**

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 Within each study, results are included (in the following order of preference) for:  
 1) EXP Exposure = spouse (s), household (h), total (t)  
 2) TIM Time of exposure = current (c), ever (e), during marriage (m)  
 3) TYP Disease type = both (b), fatal (f), non-fatal (n)  
 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)



Table 18  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 By sex - adjusted

combined

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
18	TUNSTA	2	c	t	c	n	2	4	-	-	-	-	1.34	( 1.07- 1.67)
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
29	CHEN	10	c	h	c	n	2	20	-	-	-	-	1.20	( 0.70- 2.20)
Partial Totals									0	0	0	0		

\*prospective study

male

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
3	LEE	2	m	s	m	n	2	2	-	-	-	-	1.24	( 0.59- 2.59)
*5	SVENDS	2	m	s	c	b	2	6	-	-	-	-	1.61	( 0.96- 2.71)
*8	HOLE	3	m	h	e	f	2	5	-	-	-	-	1.73	( 1.01- 2.96)
9	JACKSO	4	m	h	c	b	2	2	-	-	-	-	1.06	( 0.39- 2.91)
*10	SANDLE	2	m	h	c	f	2	4	-	-	-	-	1.31	( 1.05- 1.64)
12	DOBSON	4	m	h	c	b	2	2	-	-	-	-	0.97	( 0.50- 1.86)
13	LAVECC	6	m	s	c	n	8	8	-	-	-	-	1.09	( 0.39- 3.01)
14	LAYARD	2	m	s	e	f	2	2	-	-	-	-	0.97	( 0.73- 1.28)
*15	LEVOIS	2	m	s	c	f	8	2	-	-	-	-	0.98	( 0.91- 1.06)
17	MUSCAT	1	m	s	e	n	2	0	20	25	48	83	1.38	( 0.70- 2.75)
*19	STEENL	1	m	s	c	f	8	12	-	-	-	-	1.22	( 1.07- 1.40)
22	CIRUZZ	7	m	s	c	n	2	9	-	-	-	-	1.18	( 0.55- 2.52)
23	MCELDU	4	m	t	c	b	2	4	-	-	-	-	0.82	( 0.55- 1.22)
26	IRIBAR	4	m	h	c	n	2	11	-	-	-	-	1.13	( 1.00- 1.27)
27	ROSENL	4	m	s	c	n	8	8	-	-	-	-	0.98	( 0.57- 1.69)
*30	ENSTRO	15	m	s	c	f	8	8	-	-	-	-	0.92	( 0.80- 1.05)
Partial Totals									20	25	48	83		

\*prospective study

female

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*1	HIRAYA	6	f	s	e	f	2	1	-	-	-	-	1.16	( 0.94- 1.43)
*2	GARLAN	4	f	s	c	f	8	1	-	-	-	-	2.25	( 0.32- 15.74)
3	LEE	4	f	s	m	n	2	2	-	-	-	-	0.93	( 0.54- 1.61)
4	MARTIN	1	f	s	e	n	2	6	-	-	-	-	2.60	( 1.20- 5.70)
*6	BUTLER	4	f	s	c	f	8	1	-	-	-	-	1.40	( 0.51- 3.84)
*8	HOLE	2	f	h	e	f	2	5	-	-	-	-	1.65	( 0.79- 3.46)
9	JACKSO	2	f	h	c	b	2	2	-	-	-	-	3.74	( 1.15- 12.19)
*10	SANDLE	4	f	h	c	f	2	4	-	-	-	-	1.19	( 1.04- 1.36)
*11	HUMBLE	1	f	s	c	f	8	4	-	-	-	-	1.59	( 0.99- 2.57)
12	DOBSON	2	f	h	c	b	2	2	-	-	-	-	2.46	( 1.47- 4.13)
13	LAVECC	4	f	s	c	n	8	8	-	-	-	-	1.36	( 0.46- 4.05)
14	LAYARD	10	f	s	e	f	2	2	-	-	-	-	0.99	( 0.84- 1.16)
*15	LEVOIS	7	f	s	c	f	8	2	-	-	-	-	1.04	( 0.99- 1.09)
17	MUSCAT	2	f	s	e	n	2	0	28	27	18	23	1.33	( 0.59- 2.99)
*19	STEENL	2	f	s	c	f	8	13	-	-	-	-	1.10	( 0.96- 1.27)
20	JANGHO	1	f	s	e	n	2	0	63	100	137	300	1.38	( 0.95- 2.01)
*21	KAWACH	11	f	h	c	b	2	15	-	-	-	-	1.53	( 0.81- 2.90)
22	CIRUZZ	8	f	s	c	n	2	9	-	-	-	-	1.73	( 0.89- 3.36)
23	MCELDU	2	f	t	c	b	2	4	-	-	-	-	2.15	( 1.18- 3.92)
25	HE	2	f	s	e	n	2	6	-	-	-	-	1.60	( 0.94- 2.90)
26	IRIBAR	19	f	h	c	n	2	11	-	-	-	-	1.20	( 1.09- 1.30)
27	ROSENL	16	f	s	c	n	8	8	-	-	-	-	2.59	( 1.27- 5.29)
*30	ENSTRO	31	f	s	c	f	8	8	-	-	-	-	0.97	( 0.89- 1.06)
Partial Totals									91	127	155	323		

\*prospective study

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 18  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 By sex - adjusted

	combined	male	female	Total
Relative risks				
N	3	16	23	42
NS	3	16	23	42
Wt	112.99	1578.39	3451.81	5143.18
Het Chi	0.12	25.52	58.81	90.37
Het df	2	15	22	41
Het P	N.S.	*	***	***
Fixed RR	1.32	1.05	1.09	1.08
RRl	1.10	1.00	1.05	1.05
RRu	1.59	1.10	1.12	1.11
P	++	+	+++	+++
Random RR	1.32	1.09	1.21	1.16
RRl	1.10	1.00	1.11	1.09
RRu	1.59	1.19	1.33	1.23
P	++	(+)	+++	+++
Asymm P	N.S.	N.S.	***	***
Between Chi		5.58	4.27	5.91
Between df		1	1	2
Between P		-	-	(*)

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 19  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 By sex - unadjusted

combined

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
18	TUNSTA	1	c	t	c	n	2	0	329	1216	99	483	1.32	( 1.03- 1.69)
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
29	CHEN	10	c	h	c	n	2	20	-	-	-	-	1.20	( 0.70- 2.20)
Partial Totals									329	1216	99	483		

\*prospective study

male

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
3	LEE	1	m	s	m	n	2	0	15	40	26	93	1.34	( 0.64- 2.80)
*5	SVENDS	1	m	s	c	b	2	0	21	286	48	959	1.47	( 0.89- 2.41)
*8	HOLE	3	m	h	e	f	2	5	-	-	-	-	1.73	( 1.01- 2.96)
9	JACKSO	3	m	h	c	b	2	0	-	-	-	-	1.10	( 0.40- 3.00)
*10	SANDLE	1	m	h	c	f	2	0	122	1248	248	2914	1.15	( 0.93- 1.41)
12	DOBSON	3	m	h	c	b	2	0	22	34	161	259	1.04	( 0.59- 1.84)
13	LAVECC	5	m	s	c	n	8	0	7	17	55	140	1.05	( 0.41- 2.67)
14	LAYARD	1	m	s	e	f	2	0	97	215	378	783	0.93	( 0.71- 1.22)
*15	LEVOIS	2	m	s	c	f	8	2	-	-	-	-	0.98	( 0.91- 1.06)
17	MUSCAT	1	m	s	e	n	2	0	20	25	48	83	1.38	( 0.70- 2.75)
*19	STEENL	1	m	s	c	f	8	12	-	-	-	-	1.22	( 1.07- 1.40)
22	CIRUZZ	5	m	s	c	n	2	0	15	22	141	206	1.00	( 0.50- 1.99)
23	MCELDU	3	m	t	c	b	2	0	53	172	145	373	0.79	( 0.55- 1.14)
26	IRIBAR	4	m	h	c	n	2	11	-	-	-	-	1.13	( 1.00- 1.27)
27	ROSENL	3	m	s	c	n	8	0	27	51	141	285	1.07	( 0.64- 1.78)
*30	ENSTRO	7	m	s	c	f	8	1	-	-	-	-	0.94	( 0.83- 1.07)
Partial Totals									399	2110	1391	6095		

\*prospective study

female

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*1	HIRAYA	3	f	s	e	f	2	0	376	69645	118	21895	1.00	( 0.82- 1.23)
*2	GARLAN	2	f	s	c	f	8	0	2	97	2	203	2.09	( 0.30- 14.64)
3	LEE	3	f	s	m	n	2	0	55	229	22	89	0.97	( 0.56- 1.69)
4	MARTIN	1	f	s	e	n	2	6	-	-	-	-	2.60	( 1.20- 5.70)
*6	BUTLER	3	f	s	c	f	8	0	4	2487	60	43053	1.15	( 0.42- 3.17)
*8	HOLE	2	f	h	e	f	2	5	-	-	-	-	1.65	( 0.79- 3.46)
9	JACKSO	1	f	h	c	b	2	0	-	-	-	-	4.00	( 1.35- 13.10)
*10	SANDLE	3	f	h	c	f	2	0	551	9551	437	5322	0.70	( 0.62- 0.79)
*11	HUMBLE	1	f	s	c	f	8	4	-	-	-	-	1.59	( 0.99- 2.57)
12	DOBSON	1	f	h	c	b	2	0	43	99	117	433	1.61	( 1.06- 2.43)
13	LAVECC	3	f	s	c	n	8	0	17	20	11	17	1.31	( 0.48- 3.56)
14	LAYARD	9	f	s	e	f	2	0	455	961	459	969	1.00	( 0.85- 1.17)
*15	LEVOIS	7	f	s	c	f	8	2	-	-	-	-	1.04	( 0.99- 1.09)
17	MUSCAT	2	f	s	e	n	2	0	28	27	18	23	1.33	( 0.59- 2.99)
*19	STEENL	2	f	s	c	f	8	13	-	-	-	-	1.10	( 0.96- 1.27)
20	JANGHO	1	f	s	e	n	2	0	63	100	137	300	1.38	( 0.95- 2.01)
*21	KAWACH	11	f	h	c	b	2	15	-	-	-	-	1.53	( 0.81- 2.90)
22	CIRUZZ	6	f	s	c	n	2	0	29	25	151	193	1.48	( 0.83- 2.64)
23	MCELDU	1	f	t	c	b	2	0	31	147	54	479	1.87	( 1.16- 3.02)
25	HE	1	f	s	e	n	2	0	76	95	39	113	2.32	( 1.44- 3.72)
26	IRIBAR	19	f	h	c	n	2	11	-	-	-	-	1.20	( 1.09- 1.30)
27	ROSENL	15	f	s	c	n	8	0	21	24	59	144	2.14	( 1.10- 4.13)
*30	ENSTRO	23	f	s	c	f	8	1	-	-	-	-	1.01	( 0.93- 1.09)
Partial Totals									1751	83507	1684	73233		

\*prospective study

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 19  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 By sex - unadjusted

	combined	male	female	Total
Relative risks				
N	3	16	23	42
NS	3	16	23	42
Wt	97.82	1639.26	3642.29	5379.37
Het Chi	0.10	22.12	98.91	125.91
Het df	2	15	22	41
Het P	N.S.	N.S.	***	***
Fixed RR	1.31	1.04	1.05	1.05
RRl	1.07	0.99	1.01	1.02
RRu	1.59	1.09	1.08	1.08
P	++	(+)	++	+++
Random RR	1.31	1.07	1.20	1.14
RRl	1.07	0.99	1.07	1.06
RRu	1.59	1.15	1.33	1.21
P	++	N.S.	++	+++
Asymm P	N.S.	N.S.	*	**
Between Chi		4.71	4.64	4.77
Between df		1	1	2
Between P		-	-	(*)

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 20  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 By continent - adjusted

NAmerica

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*2	GARLAN 4		f	s	c	f	8	1	-	-	-	-	2.25 ( 0.32- 15.74)	
4	MARTIN 1		f	s	e	n	2	6	-	-	-	-	2.60 ( 1.20- 5.70)	
*5	SVENDS 2		m	s	c	b	2	6	-	-	-	-	1.61 ( 0.96- 2.71)	
*6	BUTLER 4		f	s	c	f	8	1	-	-	-	-	1.40 ( 0.51- 3.84)	
*10	SANDLE 2		m	h	c	f	2	4	-	-	-	-	1.31 ( 1.05- 1.64)	
*10	SANDLE 4		f	h	c	f	2	4	-	-	-	-	1.19 ( 1.04- 1.36)	
Subtotal SANDLE													1.22 ( 1.09- 1.37)	
*11	HUMBLE 1		f	s	c	f	8	4	-	-	-	-	1.59 ( 0.99- 2.57)	
14	LAYARD 2		m	s	e	f	2	2	-	-	-	-	0.97 ( 0.73- 1.28)	
14	LAYARD 10		f	s	e	f	2	2	-	-	-	-	0.99 ( 0.84- 1.16)	
Subtotal LAYARD													0.98 ( 0.86- 1.13)	
*15	LEVOIS 2		m	s	c	f	8	2	-	-	-	-	0.98 ( 0.91- 1.06)	
*15	LEVOIS 7		f	s	c	f	8	2	-	-	-	-	1.04 ( 0.99- 1.09)	
Subtotal LEVOIS													1.02 ( 0.98- 1.07)	
17	MUSCAT 1		m	s	e	n	2	0	20	25	48	83	1.38 ( 0.70- 2.75)	
17	MUSCAT 2		f	s	e	n	2	0	28	27	18	23	1.33 ( 0.59- 2.99)	
Subtotal MUSCAT													1.36 ( 0.80- 2.30)	
*19	STEENL 1		m	s	c	f	8	12	-	-	-	-	1.22 ( 1.07- 1.40)	
*19	STEENL 2		f	s	c	f	8	13	-	-	-	-	1.10 ( 0.96- 1.27)	
Subtotal STEENL													1.16 ( 1.05- 1.28)	
*21	KAWACH 11		f	h	c	b	2	15	-	-	-	-	1.53 ( 0.81- 2.90)	
26	IRIBAR 4		m	h	c	n	2	11	-	-	-	-	1.13 ( 1.00- 1.27)	
26	IRIBAR 19		f	h	c	n	2	11	-	-	-	-	1.20 ( 1.09- 1.30)	
Subtotal IRIBAR													1.17 ( 1.09- 1.26)	
*30	ENSTRO 15		m	s	c	f	8	8	-	-	-	-	0.92 ( 0.80- 1.05)	
*30	ENSTRO 31		f	s	c	f	8	8	-	-	-	-	0.97 ( 0.89- 1.06)	
Subtotal ENSTRO													0.96 ( 0.89- 1.03)	
Partial Totals									48	52	66	106		
*prospective study														

Europe

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
3	LEE 2		m	s	m	n	2	2	-	-	-	-	1.24 ( 0.59- 2.59)	
3	LEE 4		f	s	m	n	2	2	-	-	-	-	0.93 ( 0.54- 1.61)	
Subtotal LEE													1.03 ( 0.66- 1.60)	
*8	HOLE 3		m	h	e	f	2	5	-	-	-	-	1.73 ( 1.01- 2.96)	
*8	HOLE 2		f	h	e	f	2	5	-	-	-	-	1.65 ( 0.79- 3.46)	
Subtotal HOLE													1.70 ( 1.10- 2.63)	
13	LAVECC 6		m	s	c	n	8	8	-	-	-	-	1.09 ( 0.39- 3.01)	
13	LAVECC 4		f	s	c	n	8	8	-	-	-	-	1.36 ( 0.46- 4.05)	
Subtotal LAVECC													1.21 ( 0.57- 2.55)	
18	TUNSTA 2		c	t	c	n	2	4	-	-	-	-	1.34 ( 1.07- 1.67)	
27	ROSENL 4		m	s	c	n	8	8	-	-	-	-	0.98 ( 0.57- 1.69)	
27	ROSENL 16		f	s	c	n	8	8	-	-	-	-	2.59 ( 1.27- 5.29)	
Subtotal ROSENL													1.40 ( 0.91- 2.16)	
28	PITSAV 9		c	h	c	n	a	6	-	-	-	-	1.33 ( 0.89- 1.99)	
29	CHEN 10		c	h	c	n	2	20	-	-	-	-	1.20 ( 0.70- 2.20)	
Partial Totals									0	0	0	0		
*prospective study														

Asia

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*1	HIRAYA 6		f	s	e	f	2	1	-	-	-	-	1.16 ( 0.94- 1.43)	
20	JANGHO 1		f	s	e	n	2	0	63	100	137	300	1.38 ( 0.95- 2.01)	
25	HE 2		f	s	e	n	2	6	-	-	-	-	1.60 ( 0.94- 2.90)	
Partial Totals									63	100	137	300		
*prospective study														

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 20  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 By continent - adjusted

Other

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
9	JACKSO	4	m	h	c	b	2	2	-	-	-	-	1.06 ( 0.39-	2.91)
9	JACKSO	2	f	h	c	b	2	2	-	-	-	-	3.74 ( 1.15-	12.19)
Subtotal JACKSO														
12	DOBSON	4	m	h	c	b	2	2	-	-	-	-	0.97 ( 0.50-	1.86)
12	DOBSON	2	f	h	c	b	2	2	-	-	-	-	2.46 ( 1.47-	4.13)
Subtotal DOBSON														
22	CIRUZZ	7	m	s	c	n	2	9	-	-	-	-	1.18 ( 0.55-	2.52)
22	CIRUZZ	8	f	s	c	n	2	9	-	-	-	-	1.73 ( 0.89-	3.36)
Subtotal CIRUZZ														
23	MCELDU	4	m	t	c	b	2	4	-	-	-	-	0.82 ( 0.55-	1.22)
23	MCELDU	2	f	t	c	b	2	4	-	-	-	-	2.15 ( 1.18-	3.92)
Subtotal MCELDU														
Partial Totals									0	0	0	0	1.10 ( 0.79-	1.53)
*prospective study														

Relative risks	NAmerica		Europe	Asia	Other	Total
	N	NS				
	20	13	11	3	8	42
			7	3	4	27
	Wt	4755.61	180.70	126.79	80.07	5143.18
	Het Chi	46.72	7.77	1.49	18.19	90.37
	Het df	19	10	2	7	41
	Het P	***	N.S.	N.S.	*	***
	Fixed RR	1.06	1.33	1.24	1.38	1.08
	RRl	1.03	1.15	1.04	1.11	1.05
	RRu	1.09	1.54	1.48	1.72	1.11
	P	+++	+++	+	++	+++
	Random RR	1.10	1.33	1.24	1.48	1.16
	RRl	1.03	1.15	1.04	1.02	1.09
	RRu	1.16	1.54	1.48	2.16	1.23
	P	++	+++	+	+	+++
	Asymm P	*	N.S.	(*)	N.S.	***
	Between Chi		8.63	3.00	5.37	16.22
	Between df		1	1	1	3
	Between P		++	(+)	+	**

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 21  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 By continent - unadjusted

NAmerica

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*2	GARLAN	2	f	s	c	f	8	0	2	97	2	203	2.09	( 0.30- 14.64)
4	MARTIN	1	f	s	e	n	2	6	-	-	-	-	2.60	( 1.20- 5.70)
*5	SVENDS	1	m	s	c	b	2	0	21	286	48	959	1.47	( 0.89- 2.41)
*6	BUTLER	3	f	s	c	f	8	0	4	2487	60	43053	1.15	( 0.42- 3.17)
*10	SANDLE	1	m	h	c	f	2	0	122	1248	248	2914	1.15	( 0.93- 1.41)
*10	SANDLE	3	f	h	c	f	2	0	551	9551	437	5322	0.70	( 0.62- 0.79)
Subtotal	SANDLE												0.80	( 0.72- 0.88)
*11	HUMBLE	1	f	s	c	f	8	4	-	-	-	-	1.59	( 0.99- 2.57)
14	LAYARD	1	m	s	e	f	2	0	97	215	378	783	0.93	( 0.71- 1.22)
14	LAYARD	9	f	s	e	f	2	0	455	961	459	969	1.00	( 0.85- 1.17)
Subtotal	LAYARD												0.98	( 0.86- 1.13)
*15	LEVOIS	2	m	s	c	f	8	2	-	-	-	-	0.98	( 0.91- 1.06)
*15	LEVOIS	7	f	s	c	f	8	2	-	-	-	-	1.04	( 0.99- 1.09)
Subtotal	LEVOIS												1.02	( 0.98- 1.07)
17	MUSCAT	1	m	s	e	n	2	0	20	25	48	83	1.38	( 0.70- 2.75)
17	MUSCAT	2	f	s	e	n	2	0	28	27	18	23	1.33	( 0.59- 2.99)
Subtotal	MUSCAT												1.36	( 0.80- 2.30)
*19	STEENL	1	m	s	c	f	8	12	-	-	-	-	1.22	( 1.07- 1.40)
*19	STEENL	2	f	s	c	f	8	13	-	-	-	-	1.10	( 0.96- 1.27)
Subtotal	STEENL												1.16	( 1.05- 1.28)
*21	KAWACH	11	f	h	c	b	2	15	-	-	-	-	1.53	( 0.81- 2.90)
26	IRIBAR	4	m	h	c	n	2	11	-	-	-	-	1.13	( 1.00- 1.27)
26	IRIBAR	19	f	h	c	n	2	11	-	-	-	-	1.20	( 1.09- 1.30)
Subtotal	IRIBAR												1.17	( 1.09- 1.26)
*30	ENSTRO	7	m	s	c	f	8	1	-	-	-	-	0.94	( 0.83- 1.07)
*30	ENSTRO	23	f	s	c	f	8	1	-	-	-	-	1.01	( 0.93- 1.09)
Subtotal	ENSTRO												0.99	( 0.93- 1.06)
Partial Totals									1300	14897	1698	54309		
*prospective study														

Europe

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
3	LEE	1	m	s	m	n	2	0	15	40	26	93	1.34	( 0.64- 2.80)
3	LEE	3	f	s	m	n	2	0	55	229	22	89	0.97	( 0.56- 1.69)
Subtotal	LEE												1.09	( 0.70- 1.70)
*8	HOLE	3	m	h	e	f	2	5	-	-	-	-	1.73	( 1.01- 2.96)
*8	HOLE	2	f	h	e	f	2	5	-	-	-	-	1.65	( 0.79- 3.46)
Subtotal	HOLE												1.70	( 1.10- 2.63)
13	LAVECC	5	m	s	c	n	8	0	7	17	55	140	1.05	( 0.41- 2.67)
13	LAVECC	3	f	s	c	n	8	0	17	20	11	17	1.31	( 0.48- 3.56)
Subtotal	LAVECC												1.16	( 0.59- 2.30)
18	TUNSTA	1	c	t	c	n	2	0	329	1216	99	483	1.32	( 1.03- 1.69)
27	ROSENL	3	m	s	c	n	8	0	27	51	141	285	1.07	( 0.64- 1.78)
27	ROSENL	15	f	s	c	n	8	0	21	24	59	144	2.14	( 1.10- 4.13)
Subtotal	ROSENL												1.38	( 0.93- 2.07)
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
29	CHEN	10	c	h	c	n	2	20	-	-	-	-	1.20	( 0.70- 2.20)
Partial Totals									471	1597	413	1251		
*prospective study														

Asia

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*1	HIRAYA	3	f	s	e	f	2	0	376	69645	118	21895	1.00	( 0.82- 1.23)
20	JANGHO	1	f	s	e	n	2	0	63	100	137	300	1.38	( 0.95- 2.01)
25	HE	1	f	s	e	n	2	0	76	95	39	113	2.32	( 1.44- 3.72)
Totals									515	69840	294	22308		
*prospective study														

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 21  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 By continent - unadjusted

Other

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
9	JACKSO	3	m	h	c	b	2	0	-	-	-	-	1.10 ( 0.40- 3.00)	
9	JACKSO	1	f	h	c	b	2	0	-	-	-	-	4.00 ( 1.35- 13.10)	
Subtotal JACKSO														
12	DOBSON	3	m	h	c	b	2	0	22	34	161	259	1.04 ( 0.59- 1.84)	
12	DOBSON	1	f	h	c	b	2	0	43	99	117	433	1.61 ( 1.06- 2.43)	
Subtotal DOBSON														
22	CIRUZZ	5	m	s	c	n	2	0	15	22	141	206	1.00 ( 0.50- 1.99)	
22	CIRUZZ	6	f	s	c	n	2	0	29	25	151	193	1.48 ( 0.83- 2.64)	
Subtotal CIRUZZ														
23	MCELDU	3	m	t	c	b	2	0	53	172	145	373	0.79 ( 0.55- 1.14)	
23	MCELDU	1	f	t	c	b	2	0	31	147	54	479	1.87 ( 1.16- 3.02)	
Subtotal MCELDU														
Partial Totals									193	499	769	1943	1.08 ( 0.81- 1.45)	

\*prospective study

Relative risks		NAmerica	Europe	Asia	Other	Total
	N	20	11	3	8	42
	NS	13	7	3	4	27
	Wt	4967.89	169.85	134.88	106.75	5379.37
	Het Chi	78.48	5.55	10.92	15.45	125.91
	Het df	19	10	2	7	41
	Het P	***	N.S.	**	*	***
Fixed	RR	1.04	1.32	1.19	1.25	1.05
	RRl	1.01	1.14	1.00	1.04	1.02
	RRu	1.06	1.54	1.41	1.51	1.08
	P	+	+++	+	+	+++
Random	RR	1.06	1.32	1.42	1.31	1.14
	RRl	0.99	1.14	0.89	0.97	1.06
	RRu	1.14	1.54	2.25	1.78	1.21
	P	N.S.	+++	N.S.	(+)	+++
Asymm	P	N.S.	N.S.	N.S.	N.S.	**
Between	Chi		9.95	2.53	3.75	15.52
Between	df		1	1	1	3
Between	P		++	N.S.	(+)	**

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)



Table 22  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 By publication year (grouped) - adjusted

1984-88

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*1	HIRAYA 6		f	s	e	f	2	1	-	-	-	-	1.16 ( 0.94- 1.43)	
*2	GARLAN 4		f	s	c	f	8	1	-	-	-	-	2.25 ( 0.32- 15.74)	
3	LEE 2		m	s	m	n	2	2	-	-	-	-	1.24 ( 0.59- 2.59)	
3	LEE 4		f	s	m	n	2	2	-	-	-	-	0.93 ( 0.54- 1.61)	
Subtotal	LEE												1.03 ( 0.66- 1.60)	
4	MARTIN 1		f	s	e	n	2	6	-	-	-	-	2.60 ( 1.20- 5.70)	
*5	SVENDS 2		m	s	c	b	2	6	-	-	-	-	1.61 ( 0.96- 2.71)	
*6	BUTLER 4		f	s	c	f	8	1	-	-	-	-	1.40 ( 0.51- 3.84)	
Partial Totals									0	0	0	0		

\*prospective study

1989-92

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*8	HOLE 3		m	h	e	f	2	5	-	-	-	-	1.73 ( 1.01- 2.96)	
*8	HOLE 2		f	h	e	f	2	5	-	-	-	-	1.65 ( 0.79- 3.46)	
Subtotal	HOLE												1.70 ( 1.10- 2.63)	
9	JACKSO 4		m	h	c	b	2	2	-	-	-	-	1.06 ( 0.39- 2.91)	
9	JACKSO 2		f	h	c	b	2	2	-	-	-	-	3.74 ( 1.15- 12.19)	
Subtotal	JACKSO												1.80 ( 0.84- 3.87)	
*10	SANDLE 2		m	h	c	f	2	4	-	-	-	-	1.31 ( 1.05- 1.64)	
*10	SANDLE 4		f	h	c	f	2	4	-	-	-	-	1.19 ( 1.04- 1.36)	
Subtotal	SANDLE												1.22 ( 1.09- 1.37)	
*11	HUMBLE 1		f	s	c	f	8	4	-	-	-	-	1.59 ( 0.99- 2.57)	
12	DOBSON 4		m	h	c	b	2	2	-	-	-	-	0.97 ( 0.50- 1.86)	
12	DOBSON 2		f	h	c	b	2	2	-	-	-	-	2.46 ( 1.47- 4.13)	
Subtotal	DOBSON												1.72 ( 1.15- 2.59)	
13	LAVECC 6		m	s	c	n	8	8	-	-	-	-	1.09 ( 0.39- 3.01)	
13	LAVECC 4		f	s	c	n	8	8	-	-	-	-	1.36 ( 0.46- 4.05)	
Subtotal	LAVECC												1.21 ( 0.57- 2.55)	
Partial Totals									0	0	0	0		

\*prospective study

1993-96

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
14	LAYARD 2		m	s	e	f	2	2	-	-	-	-	0.97 ( 0.73- 1.28)	
14	LAYARD 10		f	s	e	f	2	2	-	-	-	-	0.99 ( 0.84- 1.16)	
Subtotal	LAYARD												0.98 ( 0.86- 1.13)	
*15	LEVOIS 2		m	s	c	f	8	2	-	-	-	-	0.98 ( 0.91- 1.06)	
*15	LEVOIS 7		f	s	c	f	8	2	-	-	-	-	1.04 ( 0.99- 1.09)	
Subtotal	LEVOIS												1.02 ( 0.98- 1.07)	
17	MUSCAT 1		m	s	e	n	2	0	20	25	48	83	1.38 ( 0.70- 2.75)	
17	MUSCAT 2		f	s	e	n	2	0	28	27	18	23	1.33 ( 0.59- 2.99)	
Subtotal	MUSCAT												1.36 ( 0.80- 2.30)	
18	TUNSTA 2		c	t	c	n	2	4	-	-	-	-	1.34 ( 1.07- 1.67)	
*19	STEENL 1		m	s	c	f	8	12	-	-	-	-	1.22 ( 1.07- 1.40)	
*19	STEENL 2		f	s	c	f	8	13	-	-	-	-	1.10 ( 0.96- 1.27)	
Subtotal	STEENL												1.16 ( 1.05- 1.28)	
Partial Totals									48	52	66	106		

\*prospective study

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 22  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 By publication year (grouped) - adjusted

1997-

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
20	JANGHO	1	f	s	e	n	2	0	63	100	137	300	1.38	( 0.95- 2.01)
*21	KAWACH	11	f	h	c	b	2	15	-	-	-	-	1.53	( 0.81- 2.90)
22	CIRUZZ	7	m	s	c	n	2	9	-	-	-	-	1.18	( 0.55- 2.52)
22	CIRUZZ	8	f	s	c	n	2	9	-	-	-	-	1.73	( 0.89- 3.36)
Subtotal CIRUZZ													1.47	( 0.89- 2.42)
23	MCELDU	4	m	t	c	b	2	4	-	-	-	-	0.82	( 0.55- 1.22)
23	MCELDU	2	f	t	c	b	2	4	-	-	-	-	2.15	( 1.18- 3.92)
Subtotal MCELDU													1.10	( 0.79- 1.53)
25	HE	2	f	s	e	n	2	6	-	-	-	-	1.60	( 0.94- 2.90)
26	IRIBAR	4	m	h	c	n	2	11	-	-	-	-	1.13	( 1.00- 1.27)
26	IRIBAR	19	f	h	c	n	2	11	-	-	-	-	1.20	( 1.09- 1.30)
Subtotal IRIBAR													1.17	( 1.09- 1.26)
27	ROSENL	4	m	s	c	n	8	8	-	-	-	-	0.98	( 0.57- 1.69)
27	ROSENL	16	f	s	c	n	8	8	-	-	-	-	2.59	( 1.27- 5.29)
Subtotal ROSENL													1.40	( 0.91- 2.16)
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
29	CHEN	10	c	h	c	n	2	20	-	-	-	-	1.20	( 0.70- 2.20)
*30	ENSTRO	15	m	s	c	f	8	8	-	-	-	-	0.92	( 0.80- 1.05)
*30	ENSTRO	31	f	s	c	f	8	8	-	-	-	-	0.97	( 0.89- 1.06)
Subtotal ENSTRO													0.96	( 0.89- 1.03)
Partial Totals									63	100	137	300		
*prospective study														

Relative risks	1984-88		1989-92		1993-96		1997-		Total	
	N	NS								
	7	6	11	6	9	5	15	10	42	27
	Wt	132.57	364.81	3016.01	1629.80	5143.18				
	Het Chi	6.31	13.82	14.83	37.73	90.37				
	Het df	6	10	8	14	41				
	Het P	N.S.	N.S.	(*)	***	***				
	Fixed RR	1.24	1.30	1.05	1.09	1.08				
	RRl	1.05	1.17	1.01	1.03	1.05				
	RRu	1.47	1.44	1.08	1.14	1.11				
	P	+	+++	+	+++	+++				
	Random RR	1.26	1.40	1.07	1.16	1.16				
	RRl	1.04	1.18	1.00	1.03	1.09				
	RRu	1.52	1.65	1.14	1.30	1.23				
	P	+	+++	+	+	+++				
	Asymm P	N.S.	N.S.	N.S.	(*)	***				
	Between Chi		0.19	3.64	2.15	17.68				
	Between df		1	1	1	3				
	Between P		N.S.	(-)	N.S.	***				

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 23  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 By publication year (grouped) - unadjusted

1984-88

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*1	HIRAYA 3		f	s	e	f	2	0	376	69645	118	21895	1.00	( 0.82- 1.23)
*2	GARLAN 2		f	s	c	f	8	0	2	97	2	203	2.09	( 0.30- 14.64)
3	LEE 1		m	s	m	n	2	0	15	40	26	93	1.34	( 0.64- 2.80)
3	LEE 3		f	s	m	n	2	0	55	229	22	89	0.97	( 0.56- 1.69)
Subtotal LEE													1.09	( 0.70- 1.70)
4	MARTIN 1		f	s	e	n	2	6	-	-	-	-	2.60	( 1.20- 5.70)
*5	SVENDS 1		m	s	c	b	2	0	21	286	48	959	1.47	( 0.89- 2.41)
*6	BUTLER 3		f	s	c	f	8	0	4	2487	60	43053	1.15	( 0.42- 3.17)
Partial Totals									473	72784	276	66292		
*prospective study														

1989-92

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*8	HOLE 3		m	h	e	f	2	5	-	-	-	-	1.73	( 1.01- 2.96)
*8	HOLE 2		f	h	e	f	2	5	-	-	-	-	1.65	( 0.79- 3.46)
Subtotal HOLE													1.70	( 1.10- 2.63)
9	JACKSO 3		m	h	c	b	2	0	-	-	-	-	1.10	( 0.40- 3.00)
9	JACKSO 1		f	h	c	b	2	0	-	-	-	-	4.00	( 1.35- 13.10)
Subtotal JACKSO													1.94	( 0.91- 4.13)
*10	SANDLE 1		m	h	c	f	2	0	122	1248	248	2914	1.15	( 0.93- 1.41)
*10	SANDLE 3		f	h	c	f	2	0	551	9551	437	5322	0.70	( 0.62- 0.79)
Subtotal SANDLE													0.80	( 0.72- 0.88)
*11	HUMBLE 1		f	s	c	f	8	4	-	-	-	-	1.59	( 0.99- 2.57)
12	DOBSON 3		m	h	c	b	2	0	22	34	161	259	1.04	( 0.59- 1.84)
12	DOBSON 1		f	h	c	b	2	0	43	99	117	433	1.61	( 1.06- 2.43)
Subtotal DOBSON													1.39	( 0.99- 1.93)
13	LAVECC 5		m	s	c	n	8	0	7	17	55	140	1.05	( 0.41- 2.67)
13	LAVECC 3		f	s	c	n	8	0	17	20	11	17	1.31	( 0.48- 3.56)
Subtotal LAVECC													1.16	( 0.59- 2.30)
Partial Totals									762	10969	1029	9085		
*prospective study														

1993-96

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
14	LAYARD 1		m	s	e	f	2	0	97	215	378	783	0.93	( 0.71- 1.22)
14	LAYARD 9		f	s	e	f	2	0	455	961	459	969	1.00	( 0.85- 1.17)
Subtotal LAYARD													0.98	( 0.86- 1.13)
*15	LEVOIS 2		m	s	c	f	8	2	-	-	-	-	0.98	( 0.91- 1.06)
*15	LEVOIS 7		f	s	c	f	8	2	-	-	-	-	1.04	( 0.99- 1.09)
Subtotal LEVOIS													1.02	( 0.98- 1.07)
17	MUSCAT 1		m	s	e	n	2	0	20	25	48	83	1.38	( 0.70- 2.75)
17	MUSCAT 2		f	s	e	n	2	0	28	27	18	23	1.33	( 0.59- 2.99)
Subtotal MUSCAT													1.36	( 0.80- 2.30)
18	TUNSTA 1		c	t	c	n	2	0	329	1216	99	483	1.32	( 1.03- 1.69)
*19	STEENL 1		m	s	c	f	8	12	-	-	-	-	1.22	( 1.07- 1.40)
*19	STEENL 2		f	s	c	f	8	13	-	-	-	-	1.10	( 0.96- 1.27)
Subtotal STEENL													1.16	( 1.05- 1.28)
Partial Totals									929	2444	1002	2341		
*prospective study														

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 23  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 By publication year (grouped) - unadjusted

1997-

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
20	JANGHO	1	f	s	e	n	2	0	63	100	137	300	1.38	( 0.95- 2.01)
*21	KAWACH	11	f	h	c	b	2	15	-	-	-	-	1.53	( 0.81- 2.90)
22	CIRUZZ	5	m	s	c	n	2	0	15	22	141	206	1.00	( 0.50- 1.99)
22	CIRUZZ	6	f	s	c	n	2	0	29	25	151	193	1.48	( 0.83- 2.64)
Subtotal CIRUZZ													1.26	( 0.81- 1.96)
23	MCELDU	3	m	t	c	b	2	0	53	172	145	373	0.79	( 0.55- 1.14)
23	MCELDU	1	f	t	c	b	2	0	31	147	54	479	1.87	( 1.16- 3.02)
Subtotal MCELDU													1.08	( 0.81- 1.45)
25	HE	1	f	s	e	n	2	0	76	95	39	113	2.32	( 1.44- 3.72)
26	IRIBAR	4	m	h	c	n	2	11	-	-	-	-	1.13	( 1.00- 1.27)
26	IRIBAR	19	f	h	c	n	2	11	-	-	-	-	1.20	( 1.09- 1.30)
Subtotal IRIBAR													1.17	( 1.09- 1.26)
27	ROSENL	3	m	s	c	n	8	0	27	51	141	285	1.07	( 0.64- 1.78)
27	ROSENL	15	f	s	c	n	8	0	21	24	59	144	2.14	( 1.10- 4.13)
Subtotal ROSENL													1.38	( 0.93- 2.07)
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
29	CHEN	10	c	h	c	n	2	20	-	-	-	-	1.20	( 0.70- 2.20)
*30	ENSTRO	7	m	s	c	f	8	1	-	-	-	-	0.94	( 0.83- 1.07)
*30	ENSTRO	23	f	s	c	f	8	1	-	-	-	-	1.01	( 0.93- 1.09)
Subtotal ENSTRO													0.99	( 0.93- 1.06)
Partial Totals									315	636	867	2093		
*prospective study														

Relative risks	1984-88		1989-92		1993-96		1997-		Total	
	N	NS	N	NS	N	NS	N	NS	N	NS
	7	6	11	6	9	5	15	10	42	27
Wt	136.77		439.28		3012.65		1790.68		5379.37	
Het Chi	7.64		50.47		13.71		40.06		125.91	
Het df	6		10		8		14		41	
Het P	N.S.		***		(*)		***		***	
Fixed RR	1.12		0.90		1.04		1.10		1.05	
RRl	0.95		0.82		1.01		1.05		1.02	
RRu	1.32		0.99		1.08		1.15		1.08	
P	N.S.		-		+		+++		+++	
Random RR	1.20		1.30		1.06		1.18		1.14	
RRl	0.95		0.96		1.00		1.06		1.06	
RRu	1.53		1.74		1.13		1.32		1.21	
P	N.S.		(+)		(+)		++		+++	
Asymm P	N.S.		**		N.S.		(*)		**	
Between Chi			4.71		0.60		0.04		14.03	
Between df			1		1		1		3	
Between P			-		N.S.		N.S.		**	

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 24  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 By number of heart disease cases (grouped) - adjusted

1-99

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*2	GARLAN	4	f	s	c	f	8	1	-	-	-	-	2.25	( 0.32- 15.74)
4	MARTIN	1	f	s	e	n	2	6	-	-	-	-	2.60	( 1.20- 5.70)
*5	SVENDS	2	m	s	c	b	2	6	-	-	-	-	1.61	( 0.96- 2.71)
*6	BUTLER	4	f	s	c	f	8	1	-	-	-	-	1.40	( 0.51- 3.84)
*11	HUMBLE	1	f	s	c	f	8	4	-	-	-	-	1.59	( 0.99- 2.57)
Partial Totals									0	0	0	0		
*prospective study														

100-199

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
3	LEE	2	m	s	m	n	2	2	-	-	-	-	1.24	( 0.59- 2.59)
3	LEE	4	f	s	m	n	2	2	-	-	-	-	0.93	( 0.54- 1.61)
Subtotal LEE													1.03	( 0.66- 1.60)
*8	HOLE	3	m	h	e	f	2	5	-	-	-	-	1.73	( 1.01- 2.96)
*8	HOLE	2	f	h	e	f	2	5	-	-	-	-	1.65	( 0.79- 3.46)
Subtotal HOLE													1.70	( 1.10- 2.63)
13	LAVECC	6	m	s	c	n	8	8	-	-	-	-	1.09	( 0.39- 3.01)
13	LAVECC	4	f	s	c	n	8	8	-	-	-	-	1.36	( 0.46- 4.05)
Subtotal LAVECC													1.21	( 0.57- 2.55)
17	MUSCAT	1	m	s	e	n	2	0	20	25	48	83	1.38	( 0.70- 2.75)
17	MUSCAT	2	f	s	e	n	2	0	28	27	18	23	1.33	( 0.59- 2.99)
Subtotal MUSCAT													1.36	( 0.80- 2.30)
*21	KAWACH	11	f	h	c	b	2	15	-	-	-	-	1.53	( 0.81- 2.90)
25	HE	2	f	s	e	n	2	6	-	-	-	-	1.60	( 0.94- 2.90)
Partial Totals									48	52	66	106		
*prospective study														

200-999

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*1	HIRAYA	6	f	s	e	f	2	1	-	-	-	-	1.16	( 0.94- 1.43)
9	JACKSO	4	m	h	c	b	2	2	-	-	-	-	1.06	( 0.39- 2.91)
9	JACKSO	2	f	h	c	b	2	2	-	-	-	-	3.74	( 1.15- 12.19)
Subtotal JACKSO													1.80	( 0.84- 3.87)
12	DOBSON	4	m	h	c	b	2	2	-	-	-	-	0.97	( 0.50- 1.86)
12	DOBSON	2	f	h	c	b	2	2	-	-	-	-	2.46	( 1.47- 4.13)
Subtotal DOBSON													1.72	( 1.15- 2.59)
18	TUNSTA	2	c	t	c	n	2	4	-	-	-	-	1.34	( 1.07- 1.67)
20	JANGHO	1	f	s	e	n	2	0	63	100	137	300	1.38	( 0.95- 2.01)
22	CIRUZZ	7	m	s	c	n	2	9	-	-	-	-	1.18	( 0.55- 2.52)
22	CIRUZZ	8	f	s	c	n	2	9	-	-	-	-	1.73	( 0.89- 3.36)
Subtotal CIRUZZ													1.47	( 0.89- 2.42)
23	MCELDU	4	m	t	c	b	2	4	-	-	-	-	0.82	( 0.55- 1.22)
23	MCELDU	2	f	t	c	b	2	4	-	-	-	-	2.15	( 1.18- 3.92)
Subtotal MCELDU													1.10	( 0.79- 1.53)
27	ROSENL	4	m	s	c	n	8	8	-	-	-	-	0.98	( 0.57- 1.69)
27	ROSENL	16	f	s	c	n	8	8	-	-	-	-	2.59	( 1.27- 5.29)
Subtotal ROSENL													1.40	( 0.91- 2.16)
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
Partial Totals									63	100	137	300		
*prospective study														

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 24  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 By number of heart disease cases (grouped) - adjusted

1000+

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI	
									Case	Cont	Case	Cont			
*10	SANDLE	2	m	h	c	f	2	4	-	-	-	-	1.31	( 1.05-	1.64)
*10	SANDLE	4	f	h	c	f	2	4	-	-	-	-	1.19	( 1.04-	1.36)
Subtotal SANDLE													1.22	( 1.09-	1.37)
14	LAYARD	2	m	s	e	f	2	2	-	-	-	-	0.97	( 0.73-	1.28)
14	LAYARD	10	f	s	e	f	2	2	-	-	-	-	0.99	( 0.84-	1.16)
Subtotal LAYARD													0.98	( 0.86-	1.13)
*15	LEVOIS	2	m	s	c	f	8	2	-	-	-	-	0.98	( 0.91-	1.06)
*15	LEVOIS	7	f	s	c	f	8	2	-	-	-	-	1.04	( 0.99-	1.09)
Subtotal LEVOIS													1.02	( 0.98-	1.07)
*19	STEENL	1	m	s	c	f	8	12	-	-	-	-	1.22	( 1.07-	1.40)
*19	STEENL	2	f	s	c	f	8	13	-	-	-	-	1.10	( 0.96-	1.27)
Subtotal STEENL													1.16	( 1.05-	1.28)
26	IRIBAR	4	m	h	c	n	2	11	-	-	-	-	1.13	( 1.00-	1.27)
26	IRIBAR	19	f	h	c	n	2	11	-	-	-	-	1.20	( 1.09-	1.30)
Subtotal IRIBAR													1.17	( 1.09-	1.26)
*30	ENSTRO	15	m	s	c	f	8	8	-	-	-	-	0.92	( 0.80-	1.05)
*30	ENSTRO	31	f	s	c	f	8	8	-	-	-	-	0.97	( 0.89-	1.06)
Subtotal ENSTRO													0.96	( 0.89-	1.03)
Partial Totals									0	0	0	0			
*prospective study															

Relative risks		1-99	100-199	200-999	1000+	Total
	N	5	10	14	12	41
	NS	5	6	9	6	26
	Wt	42.26	82.67	316.59	4689.95	5131.47
	Het Chi	1.48	3.57	24.41	33.33	90.24
	Het df	4	9	13	11	40
	Het P	N.S.	N.S.	*	***	***
Fixed	RR	1.71	1.38	1.30	1.06	1.08
	RRl	1.27	1.11	1.17	1.03	1.05
	RRu	2.32	1.71	1.46	1.09	1.11
	P	+++	++	+++	+++	+++
Random	RR	1.71	1.38	1.37	1.07	1.16
	RRl	1.27	1.11	1.15	1.01	1.09
	RRu	2.32	1.71	1.63	1.14	1.23
	P	+++	++	+++	+	+++
Asymm	P	N.S.	N.S.	N.S.	N.S.	***
Between	Chi		1.30	2.79	9.79	27.46
Between	df		1	1	1	3
Between	P		N.S.	(-)	--	***

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 25  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 By study type - adjusted

case-control

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
3	LEE	2	m	s	m	n	2	2	-	-	-	-	1.24 ( 0.59- 2.59)	
3	LEE	4	f	s	m	n	2	2	-	-	-	-	0.93 ( 0.54- 1.61)	
Subtotal LEE													1.03 ( 0.66- 1.60)	
9	JACKSO	4	m	h	c	b	2	2	-	-	-	-	1.06 ( 0.39- 2.91)	
9	JACKSO	2	f	h	c	b	2	2	-	-	-	-	3.74 ( 1.15- 12.19)	
Subtotal JACKSO													1.80 ( 0.84- 3.87)	
12	DOBSON	4	m	h	c	b	2	2	-	-	-	-	0.97 ( 0.50- 1.86)	
12	DOBSON	2	f	h	c	b	2	2	-	-	-	-	2.46 ( 1.47- 4.13)	
Subtotal DOBSON													1.72 ( 1.15- 2.59)	
13	LAVECC	6	m	s	c	n	8	8	-	-	-	-	1.09 ( 0.39- 3.01)	
13	LAVECC	4	f	s	c	n	8	8	-	-	-	-	1.36 ( 0.46- 4.05)	
Subtotal LAVECC													1.21 ( 0.57- 2.55)	
14	LAYARD	2	m	s	e	f	2	2	-	-	-	-	0.97 ( 0.73- 1.28)	
14	LAYARD	10	f	s	e	f	2	2	-	-	-	-	0.99 ( 0.84- 1.16)	
Subtotal LAYARD													0.98 ( 0.86- 1.13)	
17	MUSCAT	1	m	s	e	n	2	0	20	25	48	83	1.38 ( 0.70- 2.75)	
17	MUSCAT	2	f	s	e	n	2	0	28	27	18	23	1.33 ( 0.59- 2.99)	
Subtotal MUSCAT													1.36 ( 0.80- 2.30)	
20	JANGHO	1	f	s	e	n	2	0	63	100	137	300	1.38 ( 0.95- 2.01)	
22	CIRUZZ	7	m	s	c	n	2	9	-	-	-	-	1.18 ( 0.55- 2.52)	
22	CIRUZZ	8	f	s	c	n	2	9	-	-	-	-	1.73 ( 0.89- 3.36)	
Subtotal CIRUZZ													1.47 ( 0.89- 2.42)	
23	MCELDU	4	m	t	c	b	2	4	-	-	-	-	0.82 ( 0.55- 1.22)	
23	MCELDU	2	f	t	c	b	2	4	-	-	-	-	2.15 ( 1.18- 3.92)	
Subtotal MCELDU													1.10 ( 0.79- 1.53)	
25	HE	2	f	s	e	n	2	6	-	-	-	-	1.60 ( 0.94- 2.90)	
27	ROSENL	4	m	s	c	n	8	8	-	-	-	-	0.98 ( 0.57- 1.69)	
27	ROSENL	16	f	s	c	n	8	8	-	-	-	-	2.59 ( 1.27- 5.29)	
Subtotal ROSENL													1.40 ( 0.91- 2.16)	
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33 ( 0.89- 1.99)	
Partial Totals									111	152	203	406		

\*prospective study

prospective

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*1	HIRAYA	6	f	s	e	f	2	1	-	-	-	-	1.16 ( 0.94- 1.43)	
*2	GARLAN	4	f	s	c	f	8	1	-	-	-	-	2.25 ( 0.32- 15.74)	
*5	SVENDS	2	m	s	c	b	2	6	-	-	-	-	1.61 ( 0.96- 2.71)	
*6	BUTLER	4	f	s	c	f	8	1	-	-	-	-	1.40 ( 0.51- 3.84)	
*8	HOLE	3	m	h	e	f	2	5	-	-	-	-	1.73 ( 1.01- 2.96)	
*8	HOLE	2	f	h	e	f	2	5	-	-	-	-	1.65 ( 0.79- 3.46)	
Subtotal HOLE													1.70 ( 1.10- 2.63)	
*10	SANDLE	2	m	h	c	f	2	4	-	-	-	-	1.31 ( 1.05- 1.64)	
*10	SANDLE	4	f	h	c	f	2	4	-	-	-	-	1.19 ( 1.04- 1.36)	
Subtotal SANDLE													1.22 ( 1.09- 1.37)	
*11	HUMBLE	1	f	s	c	f	8	4	-	-	-	-	1.59 ( 0.99- 2.57)	
*15	LEVOIS	2	m	s	c	f	8	2	-	-	-	-	0.98 ( 0.91- 1.06)	
*15	LEVOIS	7	f	s	c	f	8	2	-	-	-	-	1.04 ( 0.99- 1.09)	
Subtotal LEVOIS													1.02 ( 0.98- 1.07)	
*19	STEENL	1	m	s	c	f	8	12	-	-	-	-	1.22 ( 1.07- 1.40)	
*19	STEENL	2	f	s	c	f	8	13	-	-	-	-	1.10 ( 0.96- 1.27)	
Subtotal STEENL													1.16 ( 1.05- 1.28)	
*21	KAWACH	11	f	h	c	b	2	15	-	-	-	-	1.53 ( 0.81- 2.90)	
*30	ENSTRO	15	m	s	c	f	8	8	-	-	-	-	0.92 ( 0.80- 1.05)	
*30	ENSTRO	31	f	s	c	f	8	8	-	-	-	-	0.97 ( 0.89- 1.06)	
Subtotal ENSTRO													0.96 ( 0.89- 1.03)	
Partial Totals									0	0	0	0		

\*prospective study

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 25

ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
By study type - adjusted

crosssectional

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
4	MARTIN	1	f	s	e	n	2	6	-	-	-	-	2.60	( 1.20- 5.70)
18	TUNSTA	2	c	t	c	n	2	4	-	-	-	-	1.34	( 1.07- 1.67)
26	IRIBAR	4	m	h	c	n	2	11	-	-	-	-	1.13	( 1.00- 1.27)
26	IRIBAR	19	f	h	c	n	2	11	-	-	-	-	1.20	( 1.09- 1.30)
Subtotal		IRIBAR											1.17	( 1.09- 1.26)
29	CHEN	10	c	h	c	n	2	20	-	-	-	-	1.20	( 0.70- 2.20)
Partial Totals									0	0	0	0		

\*prospective study

Relative risks	case-con		prospect	crosssec	Total
		N	21	16	5
	NS	12	11	4	27
	Wt	400.86	3882.77	859.56	5143.18
	Het Chi	34.72	35.78	5.69	90.37
	Het df	20	15	4	41
	Het P	*	**	N.S.	***
Fixed	RR	1.15	1.05	1.20	1.08
	RR1	1.05	1.02	1.12	1.05
	RRu	1.27	1.08	1.28	1.11
	P	++	++	+++	+++
Random	RR	1.27	1.10	1.21	1.16
	RR1	1.09	1.03	1.10	1.09
	RRu	1.48	1.18	1.33	1.23
	P	++	++	+++	+++
Asymm	P	*	**	N.S.	***
Between	Chi		3.32	0.36	14.18
Between	df		1	1	2
Between	P		(-)	N.S.	***

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Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)



Table 26  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 By number of confounders considered (grouped) - adjusted

										Numbers Exposed		Non-exposed			
StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Case	Cont	Case	Cont	RR	95.00%CI	
0-2															
*1	HIRAYA	6	f	s	e	f	2	1	-	-	-	-	1.16	( 0.94-	1.43)
3	LEE	2	m	s	m	n	2	2	-	-	-	-	1.24	( 0.59-	2.59)
3	LEE	4	f	s	m	n	2	2	-	-	-	-	0.93	( 0.54-	1.61)
Subtotal	LEE												1.03	( 0.66-	1.60)
*6	BUTLER	4	f	s	c	f	8	1	-	-	-	-	1.40	( 0.51-	3.84)
14	LAYARD	2	m	s	e	f	2	2	-	-	-	-	0.97	( 0.73-	1.28)
14	LAYARD	10	f	s	e	f	2	2	-	-	-	-	0.99	( 0.84-	1.16)
Subtotal	LAYARD												0.98	( 0.86-	1.13)
*15	LEVOIS	2	m	s	c	f	8	2	-	-	-	-	0.98	( 0.91-	1.06)
*15	LEVOIS	7	f	s	c	f	8	2	-	-	-	-	1.04	( 0.99-	1.09)
Subtotal	LEVOIS												1.02	( 0.98-	1.07)
20	JANGHO	1	f	s	e	n	2	0	63	100	137	300	1.38	( 0.95-	2.01)
Partial Totals									63	100	137	300			
*prospective study															
3-4															
StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Case	Cont	Case	Cont	RR	95.00%CI	
*10	SANDLE	2	m	h	c	f	2	4	-	-	-	-	1.31	( 1.05-	1.64)
*10	SANDLE	4	f	h	c	f	2	4	-	-	-	-	1.19	( 1.04-	1.36)
Subtotal	SANDLE												1.22	( 1.09-	1.37)
*11	HUMBLE	1	f	s	c	f	8	4	-	-	-	-	1.59	( 0.99-	2.57)
12	DOBSON	4	m	h	c	b	2	2	-	-	-	-	0.97	( 0.50-	1.86)
12	DOBSON	2	f	h	c	b	2	2	-	-	-	-	2.46	( 1.47-	4.13)
Subtotal	DOBSON												1.72	( 1.15-	2.59)
17	MUSCAT	1	m	s	e	n	2	0	20	25	48	83	1.38	( 0.70-	2.75)
17	MUSCAT	2	f	s	e	n	2	0	28	27	18	23	1.33	( 0.59-	2.99)
Subtotal	MUSCAT												1.36	( 0.80-	2.30)
18	TUNSTA	2	c	t	c	n	2	4	-	-	-	-	1.34	( 1.07-	1.67)
23	MCELDU	4	m	t	c	b	2	4	-	-	-	-	0.82	( 0.55-	1.22)
23	MCELDU	2	f	t	c	b	2	4	-	-	-	-	2.15	( 1.18-	3.92)
Subtotal	MCELDU												1.10	( 0.79-	1.53)
Partial Totals									48	52	66	106			
*prospective study															
5+															
StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Case	Cont	Case	Cont	RR	95.00%CI	
*2	GARLAN	4	f	s	c	f	8	1	-	-	-	-	2.25	( 0.32-	15.74)
4	MARTIN	1	f	s	e	n	2	6	-	-	-	-	2.60	( 1.20-	5.70)
*5	SVENDS	2	m	s	c	b	2	6	-	-	-	-	1.61	( 0.96-	2.71)
*8	HOLE	3	m	h	e	f	2	5	-	-	-	-	1.73	( 1.01-	2.96)
*8	HOLE	2	f	h	e	f	2	5	-	-	-	-	1.65	( 0.79-	3.46)
Subtotal	HOLE												1.70	( 1.10-	2.63)
9	JACKSO	4	m	h	c	b	2	2	-	-	-	-	1.06	( 0.39-	2.91)
9	JACKSO	2	f	h	c	b	2	2	-	-	-	-	3.74	( 1.15-	12.19)
Subtotal	JACKSO												1.80	( 0.84-	3.87)
13	LAVECC	6	m	s	c	n	8	8	-	-	-	-	1.09	( 0.39-	3.01)
13	LAVECC	4	f	s	c	n	8	8	-	-	-	-	1.36	( 0.46-	4.05)
Subtotal	LAVECC												1.21	( 0.57-	2.55)
*19	STEENL	1	m	s	c	f	8	12	-	-	-	-	1.22	( 1.07-	1.40)
*19	STEENL	2	f	s	c	f	8	13	-	-	-	-	1.10	( 0.96-	1.27)
Subtotal	STEENL												1.16	( 1.05-	1.28)
*21	KAWACH	11	f	h	c	b	2	15	-	-	-	-	1.53	( 0.81-	2.90)
22	CIRUZZ	7	m	s	c	n	2	9	-	-	-	-	1.18	( 0.55-	2.52)
22	CIRUZZ	8	f	s	c	n	2	9	-	-	-	-	1.73	( 0.89-	3.36)
Subtotal	CIRUZZ												1.47	( 0.89-	2.42)
25	HE	2	f	s	e	n	2	6	-	-	-	-	1.60	( 0.94-	2.90)
26	IRIBAR	4	m	h	c	n	2	11	-	-	-	-	1.13	( 1.00-	1.27)
26	IRIBAR	19	f	h	c	n	2	11	-	-	-	-	1.20	( 1.09-	1.30)

Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 26  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 By number of confounders considered (grouped) - adjusted

5+										Numbers Exposed		Non-exposed		RR	95.00%CI
StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Case	Cont	Case	Cont			
Subtotal	IRIBAR													1.17 ( 1.09- 1.26)	
27	ROSENL 4		m	s	c	n	8	8	-	-	-	-		0.98 ( 0.57- 1.69)	
27	ROSENL 16		f	s	c	n	8	8	-	-	-	-		2.59 ( 1.27- 5.29)	
Subtotal	ROSENL													1.40 ( 0.91- 2.16)	
28	PITSAV 9		c	h	c	n	a	6	-	-	-	-		1.33 ( 0.89- 1.99)	
*30	ENSTRO 15		m	s	c	f	8	8	-	-	-	-		0.92 ( 0.80- 1.05)	
*30	ENSTRO 31		f	s	c	f	8	8	-	-	-	-		0.97 ( 0.89- 1.06)	
Subtotal	ENSTRO								0	0	0	0		0.96 ( 0.89- 1.03)	
Partial Totals										0	0	0	0		
*prospective study															

  

Relative risks		0-2	3-4	5+	Total
	N	9	10	22	41
	NS	6	6	14	26
	Wt	2654.00	457.35	2020.11	5131.47
	Het Chi	6.49	16.65	47.20	90.24
	Het df	8	9	21	40
	Het P	N.S.	(*)	***	***
Fixed	RR	1.03	1.27	1.11	1.08
	RRl	0.99	1.16	1.06	1.05
	RRu	1.07	1.39	1.16	1.11
	P	N.S.	+++	+++	+++
Random	RR	1.03	1.32	1.19	1.16
	RRl	0.99	1.13	1.09	1.09
	RRu	1.07	1.55	1.31	1.23
	P	N.S.	+++	+++	+++
Asymm	P	N.S.	N.S.	**	***
Between	Chi		17.33	6.78	19.91
Between	df		1	1	2
Between	P		+++	++	***

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 Within each study, results are included (in the following order of preference) for:  
 1) EXP Exposure = spouse (s), household (h), total (t)  
 2) TIM Time of exposure = current (c), ever (e), during marriage (m)  
 3) TYP Disease type = both (b), fatal (f), non-fatal (n)  
 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 27  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 By results available on dose-response - adjusted

none

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*2	GARLAN	4	f	s	c	f	8	1	-	-	-	-	2.25	( 0.32- 15.74)
4	MARTIN	1	f	s	e	n	2	6	-	-	-	-	2.60	( 1.20- 5.70)
*6	BUTLER	4	f	s	c	f	8	1	-	-	-	-	1.40	( 0.51- 3.84)
*10	SANDLE	2	m	h	c	f	2	4	-	-	-	-	1.31	( 1.05- 1.64)
*10	SANDLE	4	f	h	c	f	2	4	-	-	-	-	1.19	( 1.04- 1.36)
Subtotal SANDLE													1.22	( 1.09- 1.37)
*11	HUMBLE	1	f	s	c	f	8	4	-	-	-	-	1.59	( 0.99- 2.57)
12	DOBSON	4	m	h	c	b	2	2	-	-	-	-	0.97	( 0.50- 1.86)
12	DOBSON	2	f	h	c	b	2	2	-	-	-	-	2.46	( 1.47- 4.13)
Subtotal DOBSON													1.72	( 1.15- 2.59)
23	MCELDU	4	m	t	c	b	2	4	-	-	-	-	0.82	( 0.55- 1.22)
23	MCELDU	2	f	t	c	b	2	4	-	-	-	-	2.15	( 1.18- 3.92)
Subtotal MCELDU													1.10	( 0.79- 1.53)
Partial Totals									0	0	0	0		
*prospective study														

results given

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*1	HIRAYA	6	f	s	e	f	2	1	-	-	-	-	1.16	( 0.94- 1.43)
3	LEE	2	m	s	m	n	2	2	-	-	-	-	1.24	( 0.59- 2.59)
3	LEE	4	f	s	m	n	2	2	-	-	-	-	0.93	( 0.54- 1.61)
Subtotal LEE													1.03	( 0.66- 1.60)
*5	SVENDS	2	m	s	c	b	2	6	-	-	-	-	1.61	( 0.96- 2.71)
*8	HOLE	3	m	h	e	f	2	5	-	-	-	-	1.73	( 1.01- 2.96)
*8	HOLE	2	f	h	e	f	2	5	-	-	-	-	1.65	( 0.79- 3.46)
Subtotal HOLE													1.70	( 1.10- 2.63)
9	JACKSO	4	m	h	c	b	2	2	-	-	-	-	1.06	( 0.39- 2.91)
9	JACKSO	2	f	h	c	b	2	2	-	-	-	-	3.74	( 1.15- 12.19)
Subtotal JACKSO													1.80	( 0.84- 3.87)
13	LAVECC	6	m	s	c	n	8	8	-	-	-	-	1.09	( 0.39- 3.01)
13	LAVECC	4	f	s	c	n	8	8	-	-	-	-	1.36	( 0.46- 4.05)
Subtotal LAVECC													1.21	( 0.57- 2.55)
14	LAYARD	2	m	s	e	f	2	2	-	-	-	-	0.97	( 0.73- 1.28)
14	LAYARD	10	f	s	e	f	2	2	-	-	-	-	0.99	( 0.84- 1.16)
Subtotal LAYARD													0.98	( 0.86- 1.13)
*15	LEVOIS	2	m	s	c	f	8	2	-	-	-	-	0.98	( 0.91- 1.06)
*15	LEVOIS	7	f	s	c	f	8	2	-	-	-	-	1.04	( 0.99- 1.09)
Subtotal LEVOIS													1.02	( 0.98- 1.07)
17	MUSCAT	1	m	s	e	n	2	0	20	25	48	83	1.38	( 0.70- 2.75)
17	MUSCAT	2	f	s	e	n	2	0	28	27	18	23	1.33	( 0.59- 2.99)
Subtotal MUSCAT													1.36	( 0.80- 2.30)
18	TUNSTA	2	c	t	c	n	2	4	-	-	-	-	1.34	( 1.07- 1.67)
*19	STEENL	1	m	s	c	f	8	12	-	-	-	-	1.22	( 1.07- 1.40)
*19	STEENL	2	f	s	c	f	8	13	-	-	-	-	1.10	( 0.96- 1.27)
Subtotal STEENL													1.16	( 1.05- 1.28)
20	JANGHO	1	f	s	e	n	2	0	63	100	137	300	1.38	( 0.95- 2.01)
*21	KAWACH	11	f	h	c	b	2	15	-	-	-	-	1.53	( 0.81- 2.90)
22	CIRUZZ	7	m	s	c	n	2	9	-	-	-	-	1.18	( 0.55- 2.52)
22	CIRUZZ	8	f	s	c	n	2	9	-	-	-	-	1.73	( 0.89- 3.36)
Subtotal CIRUZZ													1.47	( 0.89- 2.42)
25	HE	2	f	s	e	n	2	6	-	-	-	-	1.60	( 0.94- 2.90)
26	IRIBAR	4	m	h	c	n	2	11	-	-	-	-	1.13	( 1.00- 1.27)
26	IRIBAR	19	f	h	c	n	2	11	-	-	-	-	1.20	( 1.09- 1.30)
Subtotal IRIBAR													1.17	( 1.09- 1.26)
27	ROSENL	4	m	s	c	n	8	8	-	-	-	-	0.98	( 0.57- 1.69)
27	ROSENL	16	f	s	c	n	8	8	-	-	-	-	2.59	( 1.27- 5.29)
Subtotal ROSENL													1.40	( 0.91- 2.16)
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
29	CHEN	10	c	h	c	n	2	20	-	-	-	-	1.20	( 0.70- 2.20)
*30	ENSTRO	15	m	s	c	f	8	8	-	-	-	-	0.92	( 0.80- 1.05)
*30	ENSTRO	31	f	s	c	f	8	8	-	-	-	-	0.97	( 0.89- 1.06)

Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 27

ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
By results available on dose-response - adjusted

results given

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI	
									Case	Cont	Case	Cont			
Subtotal	ENSTRO								111	152	203	406	0.96 (	0.89-	1.03)
Partial Totals															
*prospective study															

Relative risks		none	no assoc	sig assc	results	Total
	N		10		32	42
	NS		7		20	27
	Wt	376.97			4766.22	5143.18
Het	Chi	19.98			59.69	90.37
Het	df	9			31	41
Het	P	*			**	***
Fixed	RR	1.27			1.07	1.08
	RRl	1.15			1.04	1.05
	RRu	1.40			1.10	1.11
	P	+++			+++	+++
Random	RR	1.40			1.12	1.16
	RRl	1.14			1.05	1.09
	RRu	1.72			1.18	1.23
	P	++			+++	+++
Asymm	P	N.S.			**	***
Between	Chi				10.71	10.71
Between	df				1	1
Between	P		N.S.	N.S.	--	**

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Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 28

ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
By spouse the index or not - adjusted

Yes										Numbers Exposed		Non-exposed		RR	95.00%CI
StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Case	Cont	Case	Cont			
*1	HIRAYA	6	f	s	e	f	2	1	-	-	-	-	1.16 ( 0.94- 1.43)		
*2	GARLAN	4	f	s	c	f	8	1	-	-	-	-	2.25 ( 0.32- 15.74)		
3	LEE	2	m	s	m	n	2	2	-	-	-	-	1.24 ( 0.59- 2.59)		
3	LEE	4	f	s	m	n	2	2	-	-	-	-	0.93 ( 0.54- 1.61)		
Subtotal	LEE												1.03 ( 0.66- 1.60)		
4	MARTIN	1	f	s	e	n	2	6	-	-	-	-	2.60 ( 1.20- 5.70)		
*5	SVENDS	2	m	s	c	b	2	6	-	-	-	-	1.61 ( 0.96- 2.71)		
*6	BUTLER	4	f	s	c	f	8	1	-	-	-	-	1.40 ( 0.51- 3.84)		
*11	HUMBLE	1	f	s	c	f	8	4	-	-	-	-	1.59 ( 0.99- 2.57)		
13	LAVECC	6	m	s	c	n	8	8	-	-	-	-	1.09 ( 0.39- 3.01)		
13	LAVECC	4	f	s	c	n	8	8	-	-	-	-	1.36 ( 0.46- 4.05)		
Subtotal	LAVECC												1.21 ( 0.57- 2.55)		
14	LAYARD	2	m	s	e	f	2	2	-	-	-	-	0.97 ( 0.73- 1.28)		
14	LAYARD	10	f	s	e	f	2	2	-	-	-	-	0.99 ( 0.84- 1.16)		
Subtotal	LAYARD												0.98 ( 0.86- 1.13)		
*15	LEVOIS	2	m	s	c	f	8	2	-	-	-	-	0.98 ( 0.91- 1.06)		
*15	LEVOIS	7	f	s	c	f	8	2	-	-	-	-	1.04 ( 0.99- 1.09)		
Subtotal	LEVOIS												1.02 ( 0.98- 1.07)		
17	MUSCAT	1	m	s	e	n	2	0	20	25	48	83	1.38 ( 0.70- 2.75)		
17	MUSCAT	2	f	s	e	n	2	0	28	27	18	23	1.33 ( 0.59- 2.99)		
Subtotal	MUSCAT												1.36 ( 0.80- 2.30)		
*19	STEENL	1	m	s	c	f	8	12	-	-	-	-	1.22 ( 1.07- 1.40)		
*19	STEENL	2	f	s	c	f	8	13	-	-	-	-	1.10 ( 0.96- 1.27)		
Subtotal	STEENL												1.16 ( 1.05- 1.28)		
20	JANGHO	1	f	s	e	n	2	0	63	100	137	300	1.38 ( 0.95- 2.01)		
22	CIRUZZ	7	m	s	c	n	2	9	-	-	-	-	1.18 ( 0.55- 2.52)		
22	CIRUZZ	8	f	s	c	n	2	9	-	-	-	-	1.73 ( 0.89- 3.36)		
Subtotal	CIRUZZ												1.47 ( 0.89- 2.42)		
25	HE	2	f	s	e	n	2	6	-	-	-	-	1.60 ( 0.94- 2.90)		
27	ROSENL	4	m	s	c	n	8	8	-	-	-	-	0.98 ( 0.57- 1.69)		
27	ROSENL	16	f	s	c	n	8	8	-	-	-	-	2.59 ( 1.27- 5.29)		
Subtotal	ROSENL												1.40 ( 0.91- 2.16)		
*30	ENSTRO	15	m	s	c	f	8	8	-	-	-	-	0.92 ( 0.80- 1.05)		
*30	ENSTRO	31	f	s	c	f	8	8	-	-	-	-	0.97 ( 0.89- 1.06)		
Subtotal	ENSTRO												0.96 ( 0.89- 1.03)		
Partial Totals									111	152	203	406			
*prospective study															
No															
StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI	
Case	Cont	Case	Cont												
*8	HOLE	3	m	h	e	f	2	5	-	-	-	-	1.73 ( 1.01- 2.96)		
*8	HOLE	2	f	h	e	f	2	5	-	-	-	-	1.65 ( 0.79- 3.46)		
Subtotal	HOLE												1.70 ( 1.10- 2.63)		
9	JACKSO	4	m	h	c	b	2	2	-	-	-	-	1.06 ( 0.39- 2.91)		
9	JACKSO	2	f	h	c	b	2	2	-	-	-	-	3.74 ( 1.15- 12.19)		
Subtotal	JACKSO												1.80 ( 0.84- 3.87)		
*10	SANDLE	2	m	h	c	f	2	4	-	-	-	-	1.31 ( 1.05- 1.64)		
*10	SANDLE	4	f	h	c	f	2	4	-	-	-	-	1.19 ( 1.04- 1.36)		
Subtotal	SANDLE												1.22 ( 1.09- 1.37)		
12	DOBSON	4	m	h	c	b	2	2	-	-	-	-	0.97 ( 0.50- 1.86)		
12	DOBSON	2	f	h	c	b	2	2	-	-	-	-	2.46 ( 1.47- 4.13)		
Subtotal	DOBSON												1.72 ( 1.15- 2.59)		
18	TUNSTA	2	c	t	c	n	2	4	-	-	-	-	1.34 ( 1.07- 1.67)		
*21	KAWACH	11	f	h	c	b	2	15	-	-	-	-	1.53 ( 0.81- 2.90)		
23	MCELDU	4	m	t	c	b	2	4	-	-	-	-	0.82 ( 0.55- 1.22)		
23	MCELDU	2	f	t	c	b	2	4	-	-	-	-	2.15 ( 1.18- 3.92)		
Subtotal	MCELDU												1.10 ( 0.79- 1.53)		
26	IRIBAR	4	m	h	c	n	2	11	-	-	-	-	1.13 ( 1.00- 1.27)		
26	IRIBAR	19	f	h	c	n	2	11	-	-	-	-	1.20 ( 1.09- 1.30)		
Subtotal	IRIBAR												1.17 ( 1.09- 1.26)		
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33 ( 0.89- 1.99)		

Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 28

ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
By spouse the index or not - adjusted

No										Numbers Exposed		Non-exposed		RR	95.00%CI	
StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Case	Cont	Case	Cont				
29	CHEN	10	c	h	c	n	2	20	-	-	-	-	1.20 ( 0.70- 2.20)			
Partial Totals									0	0	0	0				
*prospective study																
Relative risks										Yes	No	Total				
										N	26	42				
										NS	17	27				
										Wt	3880.91	1262.27	5143.18			
										Het Chi	42.32	24.17	90.37			
										Het df	25	15	41			
										Het P	*	(*)	***			
Fixed										RR	1.04	1.22	1.08			
										RRl	1.01	1.15	1.05			
										RRu	1.07	1.29	1.11			
										P	+	+++	+++			
Random										RR	1.08	1.26	1.16			
										RRl	1.02	1.15	1.09			
										RRu	1.15	1.39	1.23			
										P	+	+++	+++			
Asymm										P	**	(*)	***			
Between										Chi		23.88	23.88			
Between										df		1	1			
Between										P		+++	***			

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Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 29  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 By heart disease type 1 - adjusted

Fatal

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*1	HIRAYA 6		f	s	e	f	2	1	-	-	-	-	1.16 ( 0.94- 1.43)	
*2	GARLAN 4		f	s	c	f	8	1	-	-	-	-	2.25 ( 0.32- 15.74)	
*6	BUTLER 4		f	s	c	f	8	1	-	-	-	-	1.40 ( 0.51- 3.84)	
*8	HOLE 3		m	h	e	f	2	5	-	-	-	-	1.73 ( 1.01- 2.96)	
*8	HOLE 2		f	h	e	f	2	5	-	-	-	-	1.65 ( 0.79- 3.46)	
Subtotal HOLE														
*10	SANDLE 2		m	h	c	f	2	4	-	-	-	-	1.31 ( 1.05- 1.64)	
*10	SANDLE 4		f	h	c	f	2	4	-	-	-	-	1.19 ( 1.04- 1.36)	
Subtotal SANDLE														
*11	HUMBLE 1		f	s	c	f	8	4	-	-	-	-	1.59 ( 0.99- 2.57)	
14	LAYARD 2		m	s	e	f	2	2	-	-	-	-	0.97 ( 0.73- 1.28)	
14	LAYARD 10		f	s	e	f	2	2	-	-	-	-	0.99 ( 0.84- 1.16)	
Subtotal LAYARD														
*15	LEVOIS 2		m	s	c	f	8	2	-	-	-	-	0.98 ( 0.91- 1.06)	
*15	LEVOIS 7		f	s	c	f	8	2	-	-	-	-	1.04 ( 0.99- 1.09)	
Subtotal LEVOIS														
*19	STEENL 1		m	s	c	f	8	12	-	-	-	-	1.22 ( 1.07- 1.40)	
*19	STEENL 2		f	s	c	f	8	13	-	-	-	-	1.10 ( 0.96- 1.27)	
Subtotal STEENL														
*30	ENSTRO 15		m	s	c	f	8	8	-	-	-	-	0.92 ( 0.80- 1.05)	
*30	ENSTRO 31		f	s	c	f	8	8	-	-	-	-	0.97 ( 0.89- 1.06)	
Subtotal ENSTRO														
Partial Totals									0	0	0	0	0.96 ( 0.89- 1.03)	
*prospective study														

Nonfatal

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
3	LEE 2		m	s	m	n	2	2	-	-	-	-	1.24 ( 0.59- 2.59)	
3	LEE 4		f	s	m	n	2	2	-	-	-	-	0.93 ( 0.54- 1.61)	
Subtotal LEE														
4	MARTIN 1		f	s	e	n	2	6	-	-	-	-	2.60 ( 1.20- 5.70)	
13	LAVECC 6		m	s	c	n	8	8	-	-	-	-	1.09 ( 0.39- 3.01)	
13	LAVECC 4		f	s	c	n	8	8	-	-	-	-	1.36 ( 0.46- 4.05)	
Subtotal LAVECC														
17	MUSCAT 1		m	s	e	n	2	0	20	25	48	83	1.38 ( 0.70- 2.75)	
17	MUSCAT 2		f	s	e	n	2	0	28	27	18	23	1.33 ( 0.59- 2.99)	
Subtotal MUSCAT														
18	TUNSTA 2		c	t	c	n	2	4	-	-	-	-	1.34 ( 1.07- 1.67)	
20	JANGHO 1		f	s	e	n	2	0	63	100	137	300	1.38 ( 0.95- 2.01)	
22	CIRUZZ 7		m	s	c	n	2	9	-	-	-	-	1.18 ( 0.55- 2.52)	
22	CIRUZZ 8		f	s	c	n	2	9	-	-	-	-	1.73 ( 0.89- 3.36)	
Subtotal CIRUZZ														
25	HE 2		f	s	e	n	2	6	-	-	-	-	1.60 ( 0.94- 2.90)	
26	IRIBAR 4		m	h	c	n	2	11	-	-	-	-	1.13 ( 1.00- 1.27)	
26	IRIBAR 19		f	h	c	n	2	11	-	-	-	-	1.20 ( 1.09- 1.30)	
Subtotal IRIBAR														
27	ROSENL 4		m	s	c	n	8	8	-	-	-	-	0.98 ( 0.57- 1.69)	
27	ROSENL 16		f	s	c	n	8	8	-	-	-	-	2.59 ( 1.27- 5.29)	
Subtotal ROSENL														
28	PITSAV 9		c	h	c	n	a	6	-	-	-	-	1.33 ( 0.89- 1.99)	
29	CHEN 10		c	h	c	n	2	20	-	-	-	-	1.20 ( 0.70- 2.20)	
Partial Totals									111	152	203	406		
*prospective study														

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 29  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 By heart disease type 1 - adjusted

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*5	SVENDS	2	m	s	c	b	2	6	-	-	-	-	1.61 ( 0.96- 2.71)	
9	JACKSO	4	m	h	c	b	2	2	-	-	-	-	1.06 ( 0.39- 2.91)	
9	JACKSO	2	f	h	c	b	2	2	-	-	-	-	3.74 ( 1.15- 12.19)	
Subtotal	JACKSO												1.80 ( 0.84- 3.87)	
12	DOBSON	4	m	h	c	b	2	2	-	-	-	-	0.97 ( 0.50- 1.86)	
12	DOBSON	2	f	h	c	b	2	2	-	-	-	-	2.46 ( 1.47- 4.13)	
Subtotal	DOBSON												1.72 ( 1.15- 2.59)	
*21	KAWACH	11	f	h	c	b	2	15	-	-	-	-	1.53 ( 0.81- 2.90)	
23	MCELDU	4	m	t	c	b	2	4	-	-	-	-	0.82 ( 0.55- 1.22)	
23	MCELDU	2	f	t	c	b	2	4	-	-	-	-	2.15 ( 1.18- 3.92)	
Subtotal	MCELDU												1.10 ( 0.79- 1.53)	
Partial Totals									0	0	0	0		
*prospective study														

Relative risks	Fatal		Nonfatal		Both		Total	
	N	NS	N	NS	N	NS	N	NS
	16	10	18	12	8	5	42	27
	Wt	4055.27	999.47	88.45	5143.18			
	Het Chi	32.46	14.66	17.96	90.37			
	Het df	15	17	7	41			
	Het P	**	N.S.	*	***			
Fixed	RR	1.04	1.21	1.42	1.08			
	RRl	1.01	1.14	1.15	1.05			
	RRu	1.08	1.29	1.74	1.11			
	P	++	+++	++	+++			
Random	RR	1.07	1.21	1.51	1.16			
	RRl	1.01	1.14	1.06	1.09			
	RRu	1.14	1.29	2.15	1.23			
	P	+	+++	+	+++			
Asymm	P	*	(*)	N.S.	***			
Between	Chi		18.70	8.09	25.29			
Between	df		1	1	2			
Between	P		+++	++	***			

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 Within each study, results are included (in the following order of preference) for:  
 1) EXP Exposure = spouse (s), household (h), total (t)  
 2) TIM Time of exposure = current (c), ever (e), during marriage (m)  
 3) TYP Disease type = both (b), fatal (f), non-fatal (n)  
 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)



Table 30  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 By heart disease type 2 - adjusted

IHD										Numbers Exposed		Non-exposed		RR	95.00%CI
StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Case	Cont	Case	Cont			
*1	HIRAYA	6	f	s	e	f	2	1	-	-	-	-	1.16 ( 0.94- 1.43)		
*2	GARLAN	4	f	s	c	f	8	1	-	-	-	-	2.25 ( 0.32- 15.74)		
3	LEE	2	m	s	m	n	2	2	-	-	-	-	1.24 ( 0.59- 2.59)		
3	LEE	4	f	s	m	n	2	2	-	-	-	-	0.93 ( 0.54- 1.61)		
Subtotal	LEE												1.03 ( 0.66- 1.60)		
*5	SVENDS	2	m	s	c	b	2	6	-	-	-	-	1.61 ( 0.96- 2.71)		
*6	BUTLER	4	f	s	c	f	8	1	-	-	-	-	1.40 ( 0.51- 3.84)		
14	LAYARD	2	m	s	e	f	2	2	-	-	-	-	0.97 ( 0.73- 1.28)		
14	LAYARD	10	f	s	e	f	2	2	-	-	-	-	0.99 ( 0.84- 1.16)		
Subtotal	LAYARD												0.98 ( 0.86- 1.13)		
18	TUNSTA	2	c	t	c	n	2	4	-	-	-	-	1.34 ( 1.07- 1.67)		
*19	STEENL	1	m	s	c	f	8	12	-	-	-	-	1.22 ( 1.07- 1.40)		
*19	STEENL	2	f	s	c	f	8	13	-	-	-	-	1.10 ( 0.96- 1.27)		
Subtotal	STEENL												1.16 ( 1.05- 1.28)		
20	JANGHO	1	f	s	e	n	2	0	63	100	137	300	1.38 ( 0.95- 2.01)		
29	CHEN	10	c	h	c	n	2	20	-	-	-	-	1.20 ( 0.70- 2.20)		
*30	ENSTRO	15	m	s	c	f	8	8	-	-	-	-	0.92 ( 0.80- 1.05)		
*30	ENSTRO	31	f	s	c	f	8	8	-	-	-	-	0.97 ( 0.89- 1.06)		
Subtotal	ENSTRO												0.96 ( 0.89- 1.03)		
Partial Totals									63	100	137	300			
*prospective study															
MI										Numbers Exposed		Non-exposed		RR	95.00%CI
StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Case	Cont	Case	Cont			
4	MARTIN	1	f	s	e	n	2	6	-	-	-	-	2.60 ( 1.20- 5.70)		
13	LAVECC	6	m	s	c	n	8	8	-	-	-	-	1.09 ( 0.39- 3.01)		
13	LAVECC	4	f	s	c	n	8	8	-	-	-	-	1.36 ( 0.46- 4.05)		
Subtotal	LAVECC												1.21 ( 0.57- 2.55)		
17	MUSCAT	1	m	s	e	n	2	0	20	25	48	83	1.38 ( 0.70- 2.75)		
17	MUSCAT	2	f	s	e	n	2	0	28	27	18	23	1.33 ( 0.59- 2.99)		
Subtotal	MUSCAT												1.36 ( 0.80- 2.30)		
22	CIRUZZ	7	m	s	c	n	2	9	-	-	-	-	1.18 ( 0.55- 2.52)		
22	CIRUZZ	8	f	s	c	n	2	9	-	-	-	-	1.73 ( 0.89- 3.36)		
Subtotal	CIRUZZ												1.47 ( 0.89- 2.42)		
23	MCELDU	4	m	t	c	b	2	4	-	-	-	-	0.82 ( 0.55- 1.22)		
23	MCELDU	2	f	t	c	b	2	4	-	-	-	-	2.15 ( 1.18- 3.92)		
Subtotal	MCELDU												1.10 ( 0.79- 1.53)		
27	ROSENL	4	m	s	c	n	8	8	-	-	-	-	0.98 ( 0.57- 1.69)		
27	ROSENL	16	f	s	c	n	8	8	-	-	-	-	2.59 ( 1.27- 5.29)		
Subtotal	ROSENL												1.40 ( 0.91- 2.16)		
Partial Totals									48	52	66	106			
*prospective study															
other										Numbers Exposed		Non-exposed		RR	95.00%CI
StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Case	Cont	Case	Cont			
*10	SANDLE	2	m	h	c	f	2	4	-	-	-	-	1.31 ( 1.05- 1.64)		
*10	SANDLE	4	f	h	c	f	2	4	-	-	-	-	1.19 ( 1.04- 1.36)		
Subtotal	SANDLE												1.22 ( 1.09- 1.37)		
*11	HUMBLE	1	f	s	c	f	8	4	-	-	-	-	1.59 ( 0.99- 2.57)		
*15	LEVOIS	2	m	s	c	f	8	2	-	-	-	-	0.98 ( 0.91- 1.06)		
*15	LEVOIS	7	f	s	c	f	8	2	-	-	-	-	1.04 ( 0.99- 1.09)		
Subtotal	LEVOIS												1.02 ( 0.98- 1.07)		
25	HE	2	f	s	e	n	2	6	-	-	-	-	1.60 ( 0.94- 2.90)		
26	IRIBAR	4	m	h	c	n	2	11	-	-	-	-	1.13 ( 1.00- 1.27)		
26	IRIBAR	19	f	h	c	n	2	11	-	-	-	-	1.20 ( 1.09- 1.30)		
Subtotal	IRIBAR												1.17 ( 1.09- 1.26)		
Partial Totals									0	0	0	0			
*prospective study															

Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 30  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 By heart disease type 2 - adjusted

mixed

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*8	HOLE	3	m	h	e	f	2	5	-	-	-	-	1.73 (	1.01- 2.96)
*8	HOLE	2	f	h	e	f	2	5	-	-	-	-	1.65 (	0.79- 3.46)
Subtotal HOLE														
9	JACKSO	4	m	h	c	b	2	2	-	-	-	-	1.06 (	0.39- 2.91)
9	JACKSO	2	f	h	c	b	2	2	-	-	-	-	3.74 (	1.15- 12.19)
Subtotal JACKSO														
12	DOBSON	4	m	h	c	b	2	2	-	-	-	-	0.97 (	0.50- 1.86)
12	DOBSON	2	f	h	c	b	2	2	-	-	-	-	2.46 (	1.47- 4.13)
Subtotal DOBSON														
*21	KAWACH	11	f	h	c	b	2	15	-	-	-	-	1.53 (	0.81- 2.90)
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33 (	0.89- 1.99)
Partial Totals									0	0	0	0		
*prospective study														

Relative risks		N	IHD	MI	other	mixed	Total
			NS	15	11	8	8
			11	6	5	5	27
	Wt	1558.63	97.98	3403.19	83.38	5143.18	
	Het Chi	24.42	16.39	23.86	8.43	90.37	
	Het df	14	10	7	7	41	
	Het P	*	(*)	**	N.S.	***	
	Fixed RR	1.05	1.33	1.08	1.58	1.08	
	RRl	1.00	1.09	1.04	1.27	1.05	
	RRu	1.11	1.62	1.11	1.96	1.11	
	P	+	++	+++	+++	+++	
	Random RR	1.09	1.41	1.13	1.59	1.16	
	RRl	1.00	1.08	1.04	1.25	1.09	
	RRu	1.18	1.84	1.22	2.02	1.23	
	P	+	+	++	+++	+++	
	Asymm P	(*)	N.S.	*	N.S.	***	
	Between Chi		4.93	0.43	13.00	17.28	
	Between df		1	1	1	3	
	Between P		+	N.S.	+++	***	

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 31  
ETS and Heart Disease - Meta-Analysis of Workplace Exposure, 16-FEB-04  
 Workers only if available  
 Overall - adjusted

Overall

StN	Ref	NRR	SEX	WKS	TIM	ADJ	Numbers		Non-exposed		RR	95.00%CI
							Exposed Case	Cont	Case	Cont		
3	LEE	6	m	w	e	1	-	-	-	-	0.66 ( 0.26-	1.66)
3	LEE	8	f	w	e	1	-	-	-	-	0.69 ( 0.26-	1.87)
Subtotal LEE											0.67 ( 0.34-	1.32)
*5	SVENDS	3	m	a	c	2	-	-	-	-	1.40 ( 0.80-	2.50)
9	JACKSO	8	m	a	c	2	-	-	-	-	1.80 ( 0.94-	3.46)
9	JACKSO	6	f	a	c	2	-	-	-	-	1.55 ( 0.48-	5.03)
Subtotal JACKSO											1.74 ( 0.98-	3.07)
12	DOBSON	8	m	w	c	2	-	-	-	-	0.95 ( 0.51-	1.78)
12	DOBSON	6	f	w	c	2	-	-	-	-	0.66 ( 0.17-	2.62)
Subtotal DOBSON											0.89 ( 0.51-	1.57)
17	MUSCAT	4	m	a	e	3	-	-	-	-	1.20 ( 0.60-	2.20)
17	MUSCAT	6	f	w	e	3	-	-	-	-	1.00 ( 0.40-	2.50)
Subtotal MUSCAT											1.13 ( 0.66-	1.92)
*19	STEENL	28	m	w	c	12	-	-	-	-	1.03 ( 0.89-	1.19)
*19	STEENL	29	f	w	c	13	-	-	-	-	1.06 ( 0.84-	1.34)
Subtotal STEENL											1.04 ( 0.92-	1.17)
*21	KAWACH	8	f	w	c	15	-	-	-	-	1.68 ( 0.81-	3.47)
25	HE	22	f	w	e	6	-	-	-	-	1.85 ( 0.86-	4.00)
27	ROSENL	8	m	a	e	8	-	-	-	-	1.14 ( 0.78-	1.67)
27	ROSENL	20	f	a	e	8	-	-	-	-	0.94 ( 0.59-	1.50)
Subtotal ROSENL											1.06 ( 0.79-	1.42)
28	PITSAV	8	c	a	c	6	-	-	-	-	1.97 ( 1.16-	3.34)
29	CHEN	9	c	w	c	20	-	-	-	-	1.70 ( 0.90-	3.20)
Partial Totals							0	0	0	0		
*prospective study												

StN	Ref	NRR	SEX	WKS	TIM	ADJ	Ys	Ws	Qs	Ps
3	LEE	6	m	w	e	1	-0.42	4.47	1.22	0.3796
3	LEE	8	f	w	e	1	-0.37	3.95	0.90	0.4610
Subtotal LEE							-1.00	8.42	2.11	
*5	SVENDS	3	m	a	c	2	0.34	11.84	0.63	0.2470
9	JACKSO	8	m	a	c	2	0.59	9.05	2.10	0.0770
9	JACKSO	6	f	a	c	2	0.44	2.78	0.31	0.4646
Subtotal JACKSO							0.81	11.83	2.41	
12	DOBSON	8	m	w	c	2	-0.05	9.83	0.24	0.8722
12	DOBSON	6	f	w	c	2	-0.42	2.05	0.56	0.5515
Subtotal DOBSON							-0.68	11.89	0.80	
17	MUSCAT	4	m	a	e	3	0.18	9.10	0.05	0.5823
17	MUSCAT	6	f	w	e	3	0.00	4.58	0.05	1.0000
Subtotal MUSCAT							-0.03	13.68	0.10	
*19	STEENL	28	m	w	c	12	0.03	182.10	1.07	0.6900
*19	STEENL	29	f	w	c	13	0.06	70.45	0.16	0.6248
Subtotal STEENL							-0.12	252.55	1.23	
*21	KAWACH	8	f	w	c	15	0.52	7.26	1.24	0.1622
25	HE	22	f	w	e	6	0.62	6.50	1.69	0.1167
27	ROSENL	8	m	a	e	8	0.13	26.51	0.02	0.4999
27	ROSENL	20	f	a	e	8	-0.06	17.65	0.50	0.7949
Subtotal ROSENL							-0.14	44.16	0.51	
28	PITSAV	8	c	a	c	6	0.68	13.74	4.49	0.0120
29	CHEN	9	c	w	c	20	0.53	9.55	1.72	0.1011

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 Within each study, results are included (in the following order of preference) for:  
 1) WKS Working status = workers only (w), all persons (a)  
 2) TIM Time of exposure = ever (e), current (c)

Table 31  
ETS and Heart Disease - Meta-Analysis of Workplace Exposure, 16-FEB-04  
 Workers only if available  
 Overall - adjusted

Relative risks

	N	17
	NS	11
	Wt	391.41
Het	Chi	16.94
Het	df	16
Het	P	N.S.
Fixed	RR	1.11
	RRl	1.01
	RRu	1.23
	P	+
Random	RR	1.13
	RRl	1.01
	RRu	1.27
	P	+
Asymm	P	N.S.

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 Within each study, results are included (in the following order of preference) for:  
 1) WKS Working status = workers only (w), all persons (a)  
 2) TIM Time of exposure = ever (e), current (c)

Table 32  
ETS and Heart Disease - Meta-Analysis of Workplace Exposure, 16-FEB-04  
 Workers only if available  
 Overall - unadjusted

Overall

StN	Ref	NRR	SEX	WKS	TIM	ADJ	Numbers		Non-exposed		RR	95.00%CI
							Exposed Case	Cont	Case	Cont		
3	LEE	5	m	w	e	0	13	58	17	40	0.53	( 0.23- 1.21)
3	LEE	7	f	w	e	0	6	45	30	113	0.50	( 0.20- 1.29)
Subtotal LEE											0.52	( 0.28- 0.96)
*5	SVENDS	3	m	a	c	2	-	-	-	-	1.40	( 0.80- 2.50)
9	JACKSO	7	m	a	c	0	-	-	-	-	1.50	( 0.80- 3.00)
9	JACKSO	5	f	a	c	0	-	-	-	-	2.20	( 0.70- 7.40)
Subtotal JACKSO											1.64	( 0.92- 2.93)
12	DOBSON	7	m	w	c	0	27	79	48	126	0.90	( 0.52- 1.55)
12	DOBSON	5	f	w	c	0	5	73	12	124	0.71	( 0.24- 2.09)
Subtotal DOBSON											0.85	( 0.52- 1.39)
17	MUSCAT	3	m	a	e	0	44	66	24	42	1.17	( 0.62- 2.19)
17	MUSCAT	5	f	w	e	0	20	22	15	16	0.97	( 0.38- 2.46)
Subtotal MUSCAT											1.10	( 0.65- 1.85)
*19	STEENL	28	m	w	c	12	-	-	-	-	1.03	( 0.89- 1.19)
*19	STEENL	29	f	w	c	13	-	-	-	-	1.06	( 0.84- 1.34)
Subtotal STEENL											1.04	( 0.92- 1.17)
*21	KAWACH	8	f	w	c	15	-	-	-	-	1.68	( 0.81- 3.47)
25	HE	21	f	w	e	0	33	43	26	83	2.45	( 1.30- 4.61)
27	ROSENL	7	m	a	e	0	126	254	68	145	1.06	( 0.74- 1.51)
27	ROSENL	19	f	a	e	0	68	143	57	120	1.00	( 0.65- 1.54)
Subtotal ROSENL											1.03	( 0.79- 1.36)
28	PITSAV	8	c	a	c	6	-	-	-	-	1.97	( 1.16- 3.34)
29	CHEN	9	c	w	c	20	-	-	-	-	1.70	( 0.90- 3.20)
Partial Totals							342	783	297	809		

\*prospective study

StN	Ref	NRR	SEX	WKS	TIM	ADJ	Ys	Ws	Qs	Ps
3	LEE	5	m	w	e	0	-0.64	5.62	3.06	0.1294
3	LEE	7	f	w	e	0	-0.69	4.33	2.68	0.1519
Subtotal LEE							-1.52	9.95	5.74	
*5	SVENDS	3	m	a	c	2	0.34	11.84	0.67	0.2470
9	JACKSO	7	m	a	c	0	0.41	8.80	0.83	0.2292
9	JACKSO	5	f	a	c	0	0.79	2.76	1.32	0.1900
Subtotal JACKSO							1.00	11.56	2.15	
12	DOBSON	7	m	w	c	0	-0.11	12.74	0.54	0.6984
12	DOBSON	5	f	w	c	0	-0.35	3.28	0.65	0.5315
Subtotal DOBSON							-0.65	16.02	1.19	
17	MUSCAT	3	m	a	e	0	0.15	9.68	0.03	0.6316
17	MUSCAT	5	f	w	e	0	-0.03	4.45	0.07	0.9482
Subtotal MUSCAT							-0.07	14.13	0.10	
*19	STEENL	28	m	w	c	12	0.03	182.10	0.86	0.6900
*19	STEENL	29	f	w	c	13	0.06	70.45	0.11	0.6248
Subtotal STEENL							-0.11	252.55	0.97	
*21	KAWACH	8	f	w	c	15	0.52	7.26	1.28	0.1622
25	HE	21	f	w	e	0	0.90	9.61	6.12	0.0055
27	ROSENL	7	m	a	e	0	0.06	29.87	0.05	0.7588
27	ROSENL	19	f	a	e	0	0.00	21.02	0.20	0.9960
Subtotal ROSENL							-0.14	50.89	0.25	
28	PITSAV	8	c	a	c	6	0.68	13.74	4.62	0.0120
29	CHEN	9	c	w	c	20	0.53	9.55	1.79	0.1011

-----  
 Within each study, results are included (in the following order of preference) for:  
 1) WKS Working status = workers only (w), all persons (a)  
 2) TIM Time of exposure = ever (e), current (c)

Table 32  
ETS and Heart Disease - Meta-Analysis of Workplace Exposure, 16-FEB-04  
 Workers only if available  
 Overall - unadjusted

Relative risks

	N	17
	NS	11
	Wt	407.08
Het	Chi	24.88
Het	df	16
Het	P	(*)
Fixed	RR	1.10
	RRl	1.00
	RRu	1.22
	P	+
Random	RR	1.16
	RRl	1.00
	RRu	1.36
	P	(+)
Asymm	P	N.S.

-----  
 Within each study, results are included (in the following order of preference) for:  
 1) WKS Working status = workers only (w), all persons (a)  
 2) TIM Time of exposure = ever (e), current (c)

Table 33  
ETS and Heart Disease - Meta-Analysis of Workplace Exposure, 16-FEB-04  
 Workers only if available  
 By sex - adjusted

combined

StN	Ref	NRR	SEX	WKS	TIM	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
							Case	Cont	Case	Cont		
28	PITSAV	8	c	a	c	6	-	-	-	-	1.97 ( 1.16-	3.34)
29	CHEN	9	c	w	c	20	-	-	-	-	1.70 ( 0.90-	3.20)
Partial Totals							0	0	0	0		

\*prospective study

male

StN	Ref	NRR	SEX	WKS	TIM	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
							Case	Cont	Case	Cont		
3	LEE	6	m	w	e	1	-	-	-	-	0.66 ( 0.26-	1.66)
*5	SVENDS	3	m	a	c	2	-	-	-	-	1.40 ( 0.80-	2.50)
9	JACKSO	8	m	a	c	2	-	-	-	-	1.80 ( 0.94-	3.46)
12	DOBSON	8	m	w	c	2	-	-	-	-	0.95 ( 0.51-	1.78)
17	MUSCAT	4	m	a	e	3	-	-	-	-	1.20 ( 0.60-	2.20)
*19	STEENL	28	m	w	c	12	-	-	-	-	1.03 ( 0.89-	1.19)
27	ROSENL	8	m	a	e	8	-	-	-	-	1.14 ( 0.78-	1.67)
Partial Totals							0	0	0	0		

\*prospective study

female

StN	Ref	NRR	SEX	WKS	TIM	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
							Case	Cont	Case	Cont		
3	LEE	8	f	w	e	1	-	-	-	-	0.69 ( 0.26-	1.87)
9	JACKSO	6	f	a	c	2	-	-	-	-	1.55 ( 0.48-	5.03)
12	DOBSON	6	f	w	c	2	-	-	-	-	0.66 ( 0.17-	2.62)
17	MUSCAT	6	f	w	e	3	-	-	-	-	1.00 ( 0.40-	2.50)
*19	STEENL	29	f	w	c	13	-	-	-	-	1.06 ( 0.84-	1.34)
*21	KAWACH	8	f	w	c	15	-	-	-	-	1.68 ( 0.81-	3.47)
25	HE	22	f	w	e	6	-	-	-	-	1.85 ( 0.86-	4.00)
27	ROSENL	20	f	a	e	8	-	-	-	-	0.94 ( 0.59-	1.50)
Partial Totals							0	0	0	0		

\*prospective study

			combined	male	female	Total
Relative risks						
	N	2		7	8	17
	NS	2		7	8	17
	Wt	23.29		252.90	115.22	391.41
	Het Chi	0.12		4.98	5.34	16.94
	Het df	1		6	7	16
	Het P	N.S.		N.S.	N.S.	N.S.
	Fixed RR	1.85		1.07	1.09	1.11
	RRl	1.24		0.95	0.91	1.01
	RRu	2.78		1.21	1.31	1.23
	P	++		N.S.	N.S.	+
	Random RR	1.85		1.07	1.09	1.13
	RRl	1.24		0.95	0.91	1.01
	RRu	2.78		1.21	1.31	1.27
	P	++		N.S.	N.S.	+
	Asymm P			N.S.	N.S.	N.S.
	Between Chi			6.42	5.52	6.50
	Between df			1	1	2
	Between P			-	-	*

-----  
 Within each study, results are included (in the following order of preference) for:  
 1) WKS Working status = workers only (w), all persons (a)  
 2) TIM Time of exposure = ever (e), current (c)

Table 34  
ETS and Heart Disease - Meta-Analysis of Workplace Exposure, 16-FEB-04  
 Workers only if available  
 By sex - unadjusted

combined

StN	Ref	NRR	SEX	WKS	TIM	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
							Case	Cont	Case	Cont		
28	PITSAV	8	c	a	c	6	-	-	-	-	1.97 ( 1.16-	3.34)
29	CHEN	9	c	w	c	20	-	-	-	-	1.70 ( 0.90-	3.20)
Partial Totals							0	0	0	0		

\*prospective study

male

StN	Ref	NRR	SEX	WKS	TIM	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
							Case	Cont	Case	Cont		
3	LEE	5	m	w	e	0	13	58	17	40	0.53 ( 0.23-	1.21)
*5	SVENDS	3	m	a	c	2	-	-	-	-	1.40 ( 0.80-	2.50)
9	JACKSO	7	m	a	c	0	-	-	-	-	1.50 ( 0.80-	3.00)
12	DOBSON	7	m	w	c	0	27	79	48	126	0.90 ( 0.52-	1.55)
17	MUSCAT	3	m	a	e	0	44	66	24	42	1.17 ( 0.62-	2.19)
*19	STEENL	28	m	w	c	12	-	-	-	-	1.03 ( 0.89-	1.19)
27	ROSENL	7	m	a	e	0	126	254	68	145	1.06 ( 0.74-	1.51)
Partial Totals							210	457	157	353		

\*prospective study

female

StN	Ref	NRR	SEX	WKS	TIM	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
							Case	Cont	Case	Cont		
3	LEE	7	f	w	e	0	6	45	30	113	0.50 ( 0.20-	1.29)
9	JACKSO	5	f	a	c	0	-	-	-	-	2.20 ( 0.70-	7.40)
12	DOBSON	5	f	w	c	0	5	73	12	124	0.71 ( 0.24-	2.09)
17	MUSCAT	5	f	w	e	0	20	22	15	16	0.97 ( 0.38-	2.46)
*19	STEENL	29	f	w	c	13	-	-	-	-	1.06 ( 0.84-	1.34)
*21	KAWACH	8	f	w	c	15	-	-	-	-	1.68 ( 0.81-	3.47)
25	HE	21	f	w	e	0	33	43	26	83	2.45 ( 1.30-	4.61)
27	ROSENL	19	f	a	e	0	68	143	57	120	1.00 ( 0.65-	1.54)
Partial Totals							132	326	140	456		

\*prospective study

						combined	male	female	Total	
Relative risks										
						N	2	7	8	17
						NS	2	7	8	17
						Wt	23.29	260.64	123.16	407.08
						Het Chi	0.12	5.24	12.38	24.88
						Het df	1	6	7	16
						Het P	N.S.	N.S.	(*)	(*)
						Fixed RR	1.85	1.04	1.12	1.10
						RRl	1.24	0.92	0.94	1.00
						RRu	2.78	1.18	1.34	1.22
						P	++	N.S.	N.S.	+
						Random RR	1.85	1.04	1.17	1.16
						RRl	1.24	0.92	0.87	1.00
						RRu	2.78	1.18	1.58	1.36
						P	++	N.S.	N.S.	(+)
						Asymm P		N.S.	N.S.	N.S.
						Between Chi		7.07	4.90	7.13
						Between df		1	1	2
						Between P		--	-	*

-----  
 Within each study, results are included (in the following order of preference) for:  
 1) WKS Working status = workers only (w), all persons (a)  
 2) TIM Time of exposure = ever (e), current (c)



Table 35  
ETS and Heart Disease - Meta-Analysis of Workplace Exposure, 16-FEB-04  
 Workers only if available  
 By continent - adjusted

NAmerica

StN	Ref	NRR	SEX	WKS	TIM	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI	
							Case	Cont	Case	Cont			
*5	SVENDS	3	m	a	c	2	-	-	-	-	1.40	( 0.80- 2.50)	
17	MUSCAT	4	m	a	e	3	-	-	-	-	1.20	( 0.60- 2.20)	
17	MUSCAT	6	f	w	e	3	-	-	-	-	1.00	( 0.40- 2.50)	
Subtotal MUSCAT											1.13	( 0.66- 1.92)	
*19	STEENL	28	m	w	c	12	-	-	-	-	1.03	( 0.89- 1.19)	
*19	STEENL	29	f	w	c	13	-	-	-	-	1.06	( 0.84- 1.34)	
Subtotal STEENL											1.04	( 0.92- 1.17)	
*21	KAWACH	8	f	w	c	15	-	-	-	-	1.68	( 0.81- 3.47)	
Partial Totals							0	0	0	0			

\*prospective study

Europe

StN	Ref	NRR	SEX	WKS	TIM	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI	
							Case	Cont	Case	Cont			
3	LEE	6	m	w	e	1	-	-	-	-	0.66	( 0.26- 1.66)	
3	LEE	8	f	w	e	1	-	-	-	-	0.69	( 0.26- 1.87)	
Subtotal LEE											0.67	( 0.34- 1.32)	
27	ROSENL	8	m	a	e	8	-	-	-	-	1.14	( 0.78- 1.67)	
27	ROSENL	20	f	a	e	8	-	-	-	-	0.94	( 0.59- 1.50)	
Subtotal ROSENL											1.06	( 0.79- 1.42)	
28	PITSAV	8	c	a	c	6	-	-	-	-	1.97	( 1.16- 3.34)	
29	CHEN	9	c	w	c	20	-	-	-	-	1.70	( 0.90- 3.20)	
Partial Totals							0	0	0	0			

\*prospective study

Asia

StN	Ref	NRR	SEX	WKS	TIM	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI	
							Case	Cont	Case	Cont			
25	HE	22	f	w	e	6	-	-	-	-	1.85	( 0.86- 4.00)	
Partial Totals							0	0	0	0			

\*prospective study

Other

StN	Ref	NRR	SEX	WKS	TIM	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI	
							Case	Cont	Case	Cont			
9	JACKSO	8	m	a	c	2	-	-	-	-	1.80	( 0.94- 3.46)	
9	JACKSO	6	f	a	c	2	-	-	-	-	1.55	( 0.48- 5.03)	
Subtotal JACKSO											1.74	( 0.98- 3.07)	
12	DOBSON	8	m	w	c	2	-	-	-	-	0.95	( 0.51- 1.78)	
12	DOBSON	6	f	w	c	2	-	-	-	-	0.66	( 0.17- 2.62)	
Subtotal DOBSON											0.89	( 0.51- 1.57)	
Partial Totals							0	0	0	0			

\*prospective study

-----  
 Within each study, results are included (in the following order of preference) for:  
 1) WKS Working status = workers only (w), all persons (a)  
 2) TIM Time of exposure = ever (e), current (c)

Table 35  
ETS and Heart Disease - Meta-Analysis of Workplace Exposure, 16-FEB-04  
 Workers only if available  
 By continent - adjusted

		NAmerica	Europe	Asia	Other	Total
Relative risks						
	N	6	6	1	4	17
	NS	4	4	1	2	11
	Wt	285.32	75.87	6.50	23.72	391.41
	Het Chi	2.74	8.46	0.00	2.91	16.94
	Het df	5	5	0	3	16
	Het P	N.S.	N.S.	N.S.	N.S.	N.S.
Fixed	RR	1.07	1.19	1.85	1.24	1.11
	RRl	0.95	0.95	0.86	0.83	1.01
	RRu	1.20	1.50	3.99	1.86	1.23
	P	N.S.	N.S.	N.S.	N.S.	+
Random	RR	1.07	1.18	1.85	1.24	1.13
	RRl	0.95	0.86	0.86	0.83	1.01
	RRu	1.20	1.61	3.99	1.86	1.27
	P	N.S.	N.S.	N.S.	N.S.	+
Asymm	P	(*)	N.S.	N.S.	N.S.	N.S.
Between	Chi		0.74	1.92	0.51	2.82
Between	df		1	1	1	3
Between	P		N.S.	N.S.	N.S.	N.S.

-----  
 Within each study, results are included (in the following order of preference) for:  
 1) WKS Working status = workers only (w), all persons (a)  
 2) TIM Time of exposure = ever (e), current (c)

Table 36  
ETS and Heart Disease - Meta-Analysis of Workplace Exposure, 16-FEB-04  
 Workers only if available  
 By continent - unadjusted

NAmerica

StN	Ref	NRR	SEX	WKS	TIM	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI	
							Case	Cont	Case	Cont			
*5	SVENDS	3	m	a	c	2	-	-	-	-	1.40	( 0.80- 2.50)	
17	MUSCAT	3	m	a	e	0	44	66	24	42	1.17	( 0.62- 2.19)	
17	MUSCAT	5	f	w	e	0	20	22	15	16	0.97	( 0.38- 2.46)	
Subtotal MUSCAT											1.10	( 0.65- 1.85)	
*19	STEENL	28	m	w	c	12	-	-	-	-	1.03	( 0.89- 1.19)	
*19	STEENL	29	f	w	c	13	-	-	-	-	1.06	( 0.84- 1.34)	
Subtotal STEENL											1.04	( 0.92- 1.17)	
*21	KAWACH	8	f	w	c	15	-	-	-	-	1.68	( 0.81- 3.47)	
Partial Totals							64	88	39	58			

\*prospective study

Europe

StN	Ref	NRR	SEX	WKS	TIM	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI	
							Case	Cont	Case	Cont			
3	LEE	5	m	w	e	0	13	58	17	40	0.53	( 0.23- 1.21)	
3	LEE	7	f	w	e	0	6	45	30	113	0.50	( 0.20- 1.29)	
Subtotal LEE											0.52	( 0.28- 0.96)	
27	ROSENL	7	m	a	e	0	126	254	68	145	1.06	( 0.74- 1.51)	
27	ROSENL	19	f	a	e	0	68	143	57	120	1.00	( 0.65- 1.54)	
Subtotal ROSENL											1.03	( 0.79- 1.36)	
28	PITSAV	8	c	a	c	6	-	-	-	-	1.97	( 1.16- 3.34)	
29	CHEN	9	c	w	c	20	-	-	-	-	1.70	( 0.90- 3.20)	
Partial Totals							213	500	172	418			

\*prospective study

Asia

StN	Ref	NRR	SEX	WKS	TIM	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI	
							Case	Cont	Case	Cont			
25	HE	21	f	w	e	0	33	43	26	83	2.45	( 1.30- 4.61)	
Totals							33	43	26	83			

\*prospective study

Other

StN	Ref	NRR	SEX	WKS	TIM	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI	
							Case	Cont	Case	Cont			
9	JACKSO	7	m	a	c	0	-	-	-	-	1.50	( 0.80- 3.00)	
9	JACKSO	5	f	a	c	0	-	-	-	-	2.20	( 0.70- 7.40)	
Subtotal JACKSO											1.64	( 0.92- 2.93)	
12	DOBSON	7	m	w	c	0	27	79	48	126	0.90	( 0.52- 1.55)	
12	DOBSON	5	f	w	c	0	5	73	12	124	0.71	( 0.24- 2.09)	
Subtotal DOBSON											0.85	( 0.52- 1.39)	
Partial Totals							32	152	60	250			

\*prospective study

-----  
 Within each study, results are included (in the following order of preference) for:  
 1) WKS Working status = workers only (w), all persons (a)  
 2) TIM Time of exposure = ever (e), current (c)

Table 36  
ETS and Heart Disease - Meta-Analysis of Workplace Exposure, 16-FEB-04  
 Workers only if available  
 By continent - unadjusted

		NAmerica	Europe	Asia	Other	Total
Relative risks						
	N	6	6	1	4	17
	NS	4	4	1	2	11
	Wt	285.77	84.13	9.61	27.58	407.08
	Het Chi	2.72	12.38	0.00	3.33	24.88
	Het df	5	5	0	3	16
	Het P	N.S.	*	N.S.	N.S.	(*)
Fixed	RR	1.07	1.12	2.45	1.12	1.10
	RRl	0.95	0.90	1.30	0.77	1.00
	RRu	1.20	1.39	4.61	1.63	1.22
	P	N.S.	N.S.	++	N.S.	+
Random	RR	1.07	1.08	2.45	1.13	1.16
	RRl	0.95	0.75	1.30	0.76	1.00
	RRu	1.20	1.55	4.61	1.69	1.36
	P	N.S.	N.S.	++	N.S.	(+)
Asymm	P	N.S.	N.S.		N.S.	N.S.
Between	Chi		0.15	6.42	0.07	6.46
Between	df		1	1	1	3
Between	P		N.S.	+	N.S.	(*)

-----  
 Within each study, results are included (in the following order of preference) for:  
 1) WKS Working status = workers only (w), all persons (a)  
 2) TIM Time of exposure = ever (e), current (c)

Table 37  
ETS and Heart Disease - Meta-Analysis of Workplace Exposure, 16-FEB-04  
 Workers only if available  
 By publication year (grouped) - adjusted

1984-88

StN	Ref	NRR	SEX	WKS	TIM	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI	
							Case	Cont	Case	Cont			
3	LEE	6	m	w	e	1	-	-	-	-	0.66	( 0.26- 1.66)	
3	LEE	8	f	w	e	1	-	-	-	-	0.69	( 0.26- 1.87)	
Subtotal LEE											0.67	( 0.34- 1.32)	
*5	SVENDS	3	m	a	c	2	-	-	-	-	1.40	( 0.80- 2.50)	
Partial Totals							0	0	0	0			

\*prospective study

1989-92

StN	Ref	NRR	SEX	WKS	TIM	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI	
							Case	Cont	Case	Cont			
9	JACKSO	8	m	a	c	2	-	-	-	-	1.80	( 0.94- 3.46)	
9	JACKSO	6	f	a	c	2	-	-	-	-	1.55	( 0.48- 5.03)	
Subtotal JACKSO											1.74	( 0.98- 3.07)	
12	DOBSON	8	m	w	c	2	-	-	-	-	0.95	( 0.51- 1.78)	
12	DOBSON	6	f	w	c	2	-	-	-	-	0.66	( 0.17- 2.62)	
Subtotal DOBSON											0.89	( 0.51- 1.57)	
Partial Totals							0	0	0	0			

\*prospective study

1993-96

StN	Ref	NRR	SEX	WKS	TIM	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI	
							Case	Cont	Case	Cont			
17	MUSCAT	4	m	a	e	3	-	-	-	-	1.20	( 0.60- 2.20)	
17	MUSCAT	6	f	w	e	3	-	-	-	-	1.00	( 0.40- 2.50)	
Subtotal MUSCAT											1.13	( 0.66- 1.92)	
*19	STEENL	28	m	w	c	12	-	-	-	-	1.03	( 0.89- 1.19)	
*19	STEENL	29	f	w	c	13	-	-	-	-	1.06	( 0.84- 1.34)	
Subtotal STEENL											1.04	( 0.92- 1.17)	
Partial Totals							0	0	0	0			

\*prospective study

1997-

StN	Ref	NRR	SEX	WKS	TIM	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI	
							Case	Cont	Case	Cont			
*21	KAWACH	8	f	w	c	15	-	-	-	-	1.68	( 0.81- 3.47)	
25	HE	22	f	w	e	6	-	-	-	-	1.85	( 0.86- 4.00)	
27	ROSENL	8	m	a	e	8	-	-	-	-	1.14	( 0.78- 1.67)	
27	ROSENL	20	f	a	e	8	-	-	-	-	0.94	( 0.59- 1.50)	
Subtotal ROSENL											1.06	( 0.79- 1.42)	
28	PITSAV	8	c	a	c	6	-	-	-	-	1.97	( 1.16- 3.34)	
29	CHEN	9	c	w	c	20	-	-	-	-	1.70	( 0.90- 3.20)	
Partial Totals							0	0	0	0			

\*prospective study

-----  
 Within each study, results are included (in the following order of preference) for:  
 1) WKS Working status = workers only (w), all persons (a)  
 2) TIM Time of exposure = ever (e), current (c)

Table 37  
ETS and Heart Disease - Meta-Analysis of Workplace Exposure, 16-FEB-04  
 Workers only if available  
 By publication year (grouped) - adjusted

	1984-88	1989-92	1993-96	1997-	Total
Relative risks					
N	3	4	4	6	17
NS	2	2	2	5	11
Wt	20.25	23.72	266.22	81.21	391.41
Het Chi	2.63	2.91	0.23	6.53	16.94
Het df	2	3	3	5	16
Het P	N.S.	N.S.	N.S.	N.S.	N.S.
Fixed RR	1.03	1.24	1.04	1.35	1.11
RRl	0.67	0.83	0.92	1.09	1.01
RRu	1.60	1.86	1.18	1.68	1.23
P	N.S.	N.S.	N.S.	++	+
Random RR	0.98	1.24	1.04	1.39	1.13
RRl	0.58	0.83	0.92	1.07	1.01
RRu	1.65	1.86	1.18	1.79	1.27
P	N.S.	N.S.	N.S.	+	+
Asymm P	(*)	N.S.	N.S.	N.S.	N.S.
Between Chi		0.38	0.00	1.18	4.63
Between df		1	1	1	3
Between P		N.S.	N.S.	N.S.	N.S.

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 Within each study, results are included (in the following order of preference) for:  
 1) WKS Working status = workers only (w), all persons (a)  
 2) TIM Time of exposure = ever (e), current (c)

Table 38  
ETS and Heart Disease - Meta-Analysis of Workplace Exposure, 16-FEB-04  
 Workers only if available  
 By publication year (grouped) - unadjusted

1984-88

StN	Ref	NRR	SEX	WKS	TIM	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
							Case	Cont	Case	Cont		
3	LEE	5	m	w	e	0	13	58	17	40	0.53	( 0.23- 1.21)
3	LEE	7	f	w	e	0	6	45	30	113	0.50	( 0.20- 1.29)
Subtotal LEE											0.52	( 0.28- 0.96)
*5	SVENDS	3	m	a	c	2	-	-	-	-	1.40	( 0.80- 2.50)
Partial Totals							19	103	47	153		

\*prospective study

1989-92

StN	Ref	NRR	SEX	WKS	TIM	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
							Case	Cont	Case	Cont		
9	JACKSO	7	m	a	c	0	-	-	-	-	1.50	( 0.80- 3.00)
9	JACKSO	5	f	a	c	0	-	-	-	-	2.20	( 0.70- 7.40)
Subtotal JACKSO											1.64	( 0.92- 2.93)
12	DOBSON	7	m	w	c	0	27	79	48	126	0.90	( 0.52- 1.55)
12	DOBSON	5	f	w	c	0	5	73	12	124	0.71	( 0.24- 2.09)
Subtotal DOBSON											0.85	( 0.52- 1.39)
Partial Totals							32	152	60	250		

\*prospective study

1993-96

StN	Ref	NRR	SEX	WKS	TIM	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
							Case	Cont	Case	Cont		
17	MUSCAT	3	m	a	e	0	44	66	24	42	1.17	( 0.62- 2.19)
17	MUSCAT	5	f	w	e	0	20	22	15	16	0.97	( 0.38- 2.46)
Subtotal MUSCAT											1.10	( 0.65- 1.85)
*19	STEENL	28	m	w	c	12	-	-	-	-	1.03	( 0.89- 1.19)
*19	STEENL	29	f	w	c	13	-	-	-	-	1.06	( 0.84- 1.34)
Subtotal STEENL											1.04	( 0.92- 1.17)
Partial Totals							64	88	39	58		

\*prospective study

1997-

StN	Ref	NRR	SEX	WKS	TIM	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
							Case	Cont	Case	Cont		
*21	KAWACH	8	f	w	c	15	-	-	-	-	1.68	( 0.81- 3.47)
25	HE	21	f	w	e	0	33	43	26	83	2.45	( 1.30- 4.61)
27	ROSENL	7	m	a	e	0	126	254	68	145	1.06	( 0.74- 1.51)
27	ROSENL	19	f	a	e	0	68	143	57	120	1.00	( 0.65- 1.54)
Subtotal ROSENL											1.03	( 0.79- 1.36)
28	PITSAV	8	c	a	c	6	-	-	-	-	1.97	( 1.16- 3.34)
29	CHEN	9	c	w	c	20	-	-	-	-	1.70	( 0.90- 3.20)
Partial Totals							227	440	151	348		

\*prospective study

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 Within each study, results are included (in the following order of preference) for:  
 1) WKS Working status = workers only (w), all persons (a)  
 2) TIM Time of exposure = ever (e), current (c)

Table 38  
ETS and Heart Disease - Meta-Analysis of Workplace Exposure, 16-FEB-04  
 Workers only if available  
 By publication year (grouped) - unadjusted

	1984-88	1989-92	1993-96	1997-	Total
Relative risks					
N	3	4	4	6	17
NS	2	2	2	5	11
Wt	21.78	27.58	266.67	91.05	407.08
Het Chi	5.38	3.33	0.19	9.87	24.88
Het df	2	3	3	5	16
Het P	(*)	N.S.	N.S.	(*)	(*)
Fixed RR	0.89	1.12	1.04	1.37	1.10
RRl	0.58	0.77	0.92	1.11	1.00
RRu	1.35	1.63	1.17	1.68	1.22
P	N.S.	N.S.	N.S.	++	+
Random RR	0.77	1.13	1.04	1.47	1.16
RRl	0.37	0.76	0.92	1.09	1.00
RRu	1.60	1.69	1.17	1.99	1.36
P	N.S.	N.S.	N.S.	+	(+)
Asymm P	N.S.	N.S.	N.S.	*	N.S.
Between Chi		0.68	0.51	3.27	6.11
Between df		1	1	1	3
Between P		N.S.	N.S.	(+)	N.S.

-----  
 Within each study, results are included (in the following order of preference) for:  
 1) WKS Working status = workers only (w), all persons (a)  
 2) TIM Time of exposure = ever (e), current (c)



Table 39  
ETS and Heart Disease - Meta-Analysis of Total Exposure, 16-FEB-04  
 Overall - adjusted

Overall

StN	Ref	NRR	SEX	TIM	TOT	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI	
							Case	Cont	Case	Cont			
3	LEE	9	m	c	3	0	15	70	15	27	0.39	( 0.17- 0.90)	
3	LEE	10	f	c	3	0	13	82	23	75	0.52	( 0.24- 1.09)	
Subtotal LEE											0.45	( 0.26- 0.79)	
*5	SVENDS	4	m	c	2	1	-	-	-	-	1.17	( 0.62- 1.19)	
9	JACKSO	16	m	c	4	4	-	-	-	-	1.14	( 0.76- 1.70)	
9	JACKSO	14	f	c	4	4	-	-	-	-	1.56	( 0.76- 3.20)	
Subtotal JACKSO											1.23	( 0.86- 1.75)	
12	DOBSON	12	m	c	4	4	-	-	-	-	1.09	( 0.72- 1.63)	
12	DOBSON	10	f	c	4	4	-	-	-	-	2.24	( 1.28- 3.91)	
Subtotal DOBSON											1.40	( 1.01- 1.95)	
18	TUNSTA	2	c	c	a	4	-	-	-	-	1.34	( 1.07- 1.67)	
*21	KAWACH	1	f	c	4	15	-	-	-	-	1.71	( 1.03- 2.84)	
23	MCELDU	4	m	c	4	4	-	-	-	-	0.82	( 0.55- 1.22)	
23	MCELDU	2	f	c	4	4	-	-	-	-	2.15	( 1.18- 3.92)	
Subtotal MCELDU											1.10	( 0.79- 1.53)	
25	HE	51	f	e	2	0	48	76	11	50	2.87	( 1.36- 6.05)	
26	IRIBAR	14	m	c	5	11	-	-	-	-	1.07	( 0.96- 1.19)	
26	IRIBAR	29	f	c	5	11	-	-	-	-	1.10	( 1.01- 1.20)	
Subtotal IRIBAR											1.09	( 1.02- 1.16)	
27	ROSENL	46	c	e	2	8	-	-	-	-	1.18	( 0.87- 1.60)	
28	PITSAV	4	m	c	4	10	-	-	-	-	1.33	( 0.94- 1.88)	
28	PITSAV	7	f	c	4	10	-	-	-	-	1.39	( 0.87- 2.23)	
Subtotal PITSAV											1.35	( 1.02- 1.79)	
29	CHEN	4	c	c	a	20	-	-	-	-	1.49	( 1.03- 2.14)	
Partial Totals							76	228	49	152			

\*prospective study

StN	Ref	NRR	SEX	TIM	TOT	ADJ	Ys	Ws	Qs	Ps
3	LEE	9	m	c	3	0	-0.95	5.42	6.37	0.0266
3	LEE	10	f	c	3	0	-0.66	6.85	4.29	0.0841
Subtotal LEE							-1.88	12.27	10.66	
*5	SVENDS	4	m	c	2	1	0.16	36.15	0.02	0.3452
9	JACKSO	16	m	c	4	4	0.13	23.71	0.00	0.5235
9	JACKSO	14	f	c	4	4	0.44	7.44	0.73	0.2253
Subtotal JACKSO							0.31	31.14	0.73	
12	DOBSON	12	m	c	4	4	0.09	23.02	0.05	0.6793
12	DOBSON	10	f	c	4	4	0.81	12.32	5.61	0.0046
Subtotal DOBSON							0.63	35.34	5.66	
18	TUNSTA	2	c	c	a	4	0.29	77.54	2.01	0.0100
*21	KAWACH	1	f	c	4	15	0.54	14.94	2.45	0.0381
23	MCELDU	4	m	c	4	4	-0.20	24.21	2.64	0.3288
23	MCELDU	2	f	c	4	4	0.77	10.66	4.28	0.0124
Subtotal MCELDU							0.30	34.87	6.92	
25	HE	51	f	e	2	0	1.05	6.90	5.88	0.0056
26	IRIBAR	14	m	c	5	11	0.07	333.11	1.37	0.2169
26	IRIBAR	29	f	c	5	11	0.10	517.16	0.69	0.0302
Subtotal IRIBAR							-0.10	850.27	2.06	
27	ROSENL	46	c	e	2	8	0.17	41.39	0.05	0.2869
28	PITSAV	4	m	c	4	10	0.29	31.98	0.75	0.1068
28	PITSAV	7	f	c	4	10	0.33	17.34	0.68	0.1703
Subtotal PITSAV							0.35	49.33	1.43	
29	CHEN	4	c	c	a	20	0.40	28.74	2.05	0.0325

-----  
 No further selection of estimates was made within studies.

Values are also shown for:

1) TIM Time of exposure = ever (e), current (c)

2) TOT Total exposure = any (a), sp/wk (2), home/wk/travel/leisure (3), home/wk (4), home/oth (5)

Table 39  
ETS and Heart Disease - Meta-Analysis of Total Exposure, 16-FEB-04  
 Overall - adjusted

Relative risks

	N	18
	NS	12
	Wt	1218.87
Het	Chi	39.90
Het	df	17
Het	P	**
Fixed	RR	1.14
	RRl	1.08
	RRu	1.21
	P	+++
Random	RR	1.22
	RRl	1.09
	RRu	1.38
	P	+++
Asymm	P	N.S.

-----  
 No further selection of estimates was made within studies.  
 Values are also shown for:  
 1) TIM Time of exposure = ever (e), current (c)  
 2) TOT Total exposure = any (a), sp/wk (2), home/wk/travel/leisure (3), home/wk (4), home/oth (5)

Table 40  
ETS and Heart Disease - Meta-Analysis of Total Exposure, 16-FEB-04  
 Overall - unadjusted

Overall

StN	Ref	NRR	SEX	TIM	TOT	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
							Case	Cont	Case	Cont		
3	LEE	9	m	c	3	0	15	70	15	27	0.39	( 0.17- 0.90)
3	LEE	10	f	c	3	0	13	82	23	75	0.52	( 0.24- 1.09)
Subtotal LEE											0.45	( 0.26- 0.79)
*5	SVENDS	4	m	c	2	1	-	-	-	-	1.17	( 0.62- 1.19)
9	JACKSO	15	m	c	4	0	69	138	161	397	1.23	( 0.88- 1.74)
9	JACKSO	13	f	c	4	0	15	66	58	336	1.32	( 0.70- 2.46)
Subtotal JACKSO											1.25	( 0.93- 1.69)
12	DOBSON	11	m	c	4	0	69	153	189	326	0.78	( 0.56- 1.09)
12	DOBSON	9	f	c	4	0	33	168	76	434	1.12	( 0.72- 1.75)
Subtotal DOBSON											0.89	( 0.68- 1.16)
18	TUNSTA	1	c	c	a	0	329	1216	99	483	1.32	( 1.03- 1.69)
*21	KAWACH	1	f	c	4	15	-	-	-	-	1.71	( 1.03- 2.84)
23	MCELDU	3	m	c	4	0	53	172	145	373	0.79	( 0.55- 1.14)
23	MCELDU	1	f	c	4	0	31	147	54	479	1.87	( 1.16- 3.02)
Subtotal MCELDU											1.08	( 0.81- 1.45)
25	HE	51	f	e	2	0	48	76	11	50	2.87	( 1.36- 6.05)
26	IRIBAR	14	m	c	5	11	-	-	-	-	1.07	( 0.96- 1.19)
26	IRIBAR	29	f	c	5	11	-	-	-	-	1.10	( 1.01- 1.20)
Subtotal IRIBAR											1.09	( 1.02- 1.16)
27	ROSENL	45	c	e	2	0	240	474	77	177	1.16	( 0.85- 1.59)
28	PITSAV	1	c	c	4	0	197	167	82	400	5.75	( 4.20- 7.88)
29	CHEN	4	c	c	a	20	-	-	-	-	1.49	( 1.03- 2.14)
Partial Totals							1112	2929	990	3557		

\*prospective study

StN	Ref	NRR	SEX	TIM	TOT	ADJ	Ys	Ws	Qs	Ps
3	LEE	9	m	c	3	0	-0.95	5.42	6.66	0.0266
3	LEE	10	f	c	3	0	-0.66	6.85	4.57	0.0841
Subtotal LEE							-1.93	12.27	11.23	
*5	SVENDS	4	m	c	2	1	0.16	36.15	0.00	0.3452
9	JACKSO	15	m	c	4	0	0.21	32.82	0.09	0.2303
9	JACKSO	13	f	c	4	0	0.28	9.80	0.14	0.3892
Subtotal JACKSO							0.17	42.62	0.23	
12	DOBSON	11	m	c	4	0	-0.25	34.03	5.66	0.1429
12	DOBSON	9	f	c	4	0	0.11	19.34	0.03	0.6135
Subtotal DOBSON							-0.45	53.36	5.69	
18	TUNSTA	1	c	c	a	0	0.28	62.37	0.92	0.0283
*21	KAWACH	1	f	c	4	15	0.54	14.94	2.16	0.0381
23	MCELDU	3	m	c	4	0	-0.23	29.19	4.41	0.2093
23	MCELDU	1	f	c	4	0	0.63	16.76	3.70	0.0104
Subtotal MCELDU							0.08	45.95	8.11	
25	HE	51	f	e	2	0	1.05	6.90	5.57	0.0056
26	IRIBAR	14	m	c	5	11	0.07	333.11	2.63	0.2169
26	IRIBAR	29	f	c	5	11	0.10	517.16	1.94	0.0302
Subtotal IRIBAR							-0.15	850.27	4.56	
27	ROSENL	45	c	e	2	0	0.15	40.14	0.00	0.3363
28	PITSAV	1	c	c	4	0	1.75	38.82	98.57	0.0000
29	CHEN	4	c	c	a	20	0.40	28.74	1.69	0.0325

-----  
 No further selection of estimates was made within studies.

Values are also shown for:

1) TIM Time of exposure = ever (e), current (c)

2) TOT Total exposure = any (a), sp/wk (2), home/wk/travel/leisure (3), home/wk (4), home/oth (5)

Table 40  
ETS and Heart Disease - Meta-Analysis of Total Exposure, 16-FEB-04  
 Overall - unadjusted

Relative risks

	N	17
	NS	12
	Wt	1232.53
Het	Chi	138.72
Het	df	16
Het	P	***
Fixed	RR	1.17
	RRl	1.11
	RRu	1.24
	P	+++
Random	RR	1.27
	RRl	1.04
	RRu	1.56
	P	+
Asymm	P	N.S.

-----  
 No further selection of estimates was made within studies.  
 Values are also shown for:  
 1) TIM Time of exposure = ever (e), current (c)  
 2) TOT Total exposure = any (a), sp/wk (2), home/wk/travel/leisure (3), home/wk (4), home/oth (5)

Table 41  
ETS and Heart Disease - Meta-Analysis of ETS Exposure assessed by Cotinine, 16-FEB-04  
 Overall - adjusted

Overall

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
18	TUNSTA	10	c	4	-	-	-	-	1.13	( 0.93- 1.38)
29	CHEN	8	c	20	-	-	-	-	0.85	( 0.63- 1.14)
Partial Totals					0	0	0	0		

\*prospective study

StN	Ref	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
18	TUNSTA	10	c	4	0.12	98.66	0.75	0.2248
29	CHEN	8	c	20	-0.16	43.69	1.70	0.2827

Relative risks

N	2
NS	2
Wt	142.34
Het Chi	2.45
Het df	1
Het P	N.S.
Fixed RR	1.04
RR1	0.88
RRu	1.22
P	N.S.
Random RR	1.00
RR1	0.76
RRu	1.32
P	N.S.
Asymm P	

-----  
 No further selection of estimates was made within studies.

Table 42  
ETS and Heart Disease - Meta-Analysis of ETS Exposure assessed by Cotinine, 16-FEB-04  
 Overall - unadjusted

Overall

StN	Ref	NRR	SEX	ADJ	Numbers		Non-exposed		RR	95.00%CI
					Exposed Case	Cont	Case	Cont		
18	TUNSTA	9	c	0	299	1120	129	580	1.20	( 0.95- 1.51)
29	CHEN	8	c	20	-	-	-	-	0.85	( 0.63- 1.14)
Partial Totals					299	1120	129	580		

\*prospective study

StN	Ref	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
18	TUNSTA	9	c	0	0.18	72.92	1.22	0.1190
29	CHEN	8	c	20	-0.16	43.69	2.03	0.2827

Relative risks

N	2
NS	2
Wt	116.61
Het Chi	3.25
Het df	1
Het P	(*)
Fixed RR	1.05
RR1	0.88
RRu	1.26
P	N.S.
Random RR	1.02
RR1	0.73
RRu	1.43
P	N.S.
Asymm P	

-----  
 No further selection of estimates was made within studies.

Table 43  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 Excluding Enstrom  
 Overall - adjusted

Overall

StN	Ref	NRR	SEX	ADJ	Numbers		Non-exposed		RR	95.00%CI
					Exposed Case	Cont	Case	Cont		
*1	HIRAYA	6	f	1	-	-	-	-	1.16	( 0.94- 1.43)
*2	GARLAN	5	f	5	-	-	-	-	2.70	( 0.63- 11.58)
3	LEE	2	m	2	-	-	-	-	1.24	( 0.59- 2.59)
3	LEE	4	f	2	-	-	-	-	0.93	( 0.54- 1.61)
Subtotal	LEE								1.03	( 0.66- 1.60)
4	MARTIN	1	f	6	-	-	-	-	2.60	( 1.20- 5.70)
*5	SVENDS	2	m	6	-	-	-	-	1.61	( 0.96- 2.71)
*6	BUTLER	2	f	1	-	-	-	-	1.07	( 0.65- 1.75)
*8	HOLE	3	m	5	-	-	-	-	1.73	( 1.01- 2.96)
*8	HOLE	2	f	5	-	-	-	-	1.65	( 0.79- 3.46)
Subtotal	HOLE								1.70	( 1.10- 2.63)
9	JACKSO	4	m	2	-	-	-	-	1.06	( 0.39- 2.91)
9	JACKSO	2	f	2	-	-	-	-	3.74	( 1.15- 12.19)
Subtotal	JACKSO								1.80	( 0.84- 3.87)
*10	SANDLE	2	m	4	-	-	-	-	1.31	( 1.05- 1.64)
*10	SANDLE	4	f	4	-	-	-	-	1.19	( 1.04- 1.36)
Subtotal	SANDLE								1.22	( 1.09- 1.37)
*11	HUMBLE	1	f	4	-	-	-	-	1.59	( 0.99- 2.57)
12	DOBSON	4	m	2	-	-	-	-	0.97	( 0.50- 1.86)
12	DOBSON	2	f	2	-	-	-	-	2.46	( 1.47- 4.13)
Subtotal	DOBSON								1.72	( 1.15- 2.59)
13	LAVECC	2	m	0	9	21	55	140	1.09	( 0.47- 2.53)
13	LAVECC	1	f	0	32	39	11	17	1.27	( 0.52- 3.09)
Subtotal	LAVECC								1.17	( 0.64- 2.16)
14	LAYARD	2	m	2	-	-	-	-	0.97	( 0.73- 1.28)
14	LAYARD	10	f	2	-	-	-	-	0.99	( 0.84- 1.16)
Subtotal	LAYARD								0.98	( 0.86- 1.13)
*15	LEVOIS	1	m	2	-	-	-	-	0.97	( 0.90- 1.05)
*15	LEVOIS	6	f	2	-	-	-	-	1.03	( 0.98- 1.08)
Subtotal	LEVOIS								1.01	( 0.97- 1.06)
17	MUSCAT	1	m	0	20	25	48	83	1.38	( 0.70- 2.75)
17	MUSCAT	2	f	0	28	27	18	23	1.33	( 0.59- 2.99)
Subtotal	MUSCAT								1.36	( 0.80- 2.30)
18	TUNSTA	2	c	4	-	-	-	-	1.34	( 1.07- 1.67)
*19	STEENL	3	m	12	-	-	-	-	1.09	( 0.98- 1.21)
*19	STEENL	4	f	13	-	-	-	-	1.04	( 0.93- 1.16)
Subtotal	STEENL								1.07	( 0.99- 1.15)
20	JANGHO	1	f	0	63	100	137	300	1.38	( 0.95- 2.01)
*21	KAWACH	11	f	15	-	-	-	-	1.53	( 0.81- 2.90)
22	CIRUZZ	7	m	9	-	-	-	-	1.18	( 0.55- 2.52)
22	CIRUZZ	8	f	9	-	-	-	-	1.73	( 0.89- 3.36)
Subtotal	CIRUZZ								1.47	( 0.89- 2.42)
23	MCELDU	4	m	4	-	-	-	-	0.82	( 0.55- 1.22)
23	MCELDU	2	f	4	-	-	-	-	2.15	( 1.18- 3.92)
Subtotal	MCELDU								1.10	( 0.79- 1.53)
25	HE	2	f	6	-	-	-	-	1.60	( 0.94- 2.90)
26	IRIBAR	4	m	11	-	-	-	-	1.13	( 1.00- 1.27)
26	IRIBAR	19	f	11	-	-	-	-	1.20	( 1.09- 1.30)
Subtotal	IRIBAR								1.17	( 1.09- 1.26)
27	ROSENL	2	m	8	-	-	-	-	0.96	( 0.64- 1.44)
27	ROSENL	14	f	8	-	-	-	-	1.53	( 0.95- 2.44)
Subtotal	ROSENL								1.17	( 0.86- 1.59)
28	PITSAV	9	c	6	-	-	-	-	1.33	( 0.89- 1.99)
29	CHEN	10	c	20	-	-	-	-	1.20	( 0.70- 2.20)
Partial Totals					152	212	269	563		

\*prospective study

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 43  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 Excluding Enstrom  
 Overall - adjusted

Overall

StN	Ref	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
*1	HIRAYA	6	f	1	0.15	87.29	0.38	0.1655
*2	GARLAN	5	f	5	0.99	1.81	1.50	0.1811
3	LEE	2	m	2	0.22	7.02	0.12	0.5687
3	LEE	4	f	2	-0.07	12.88	0.31	0.7946
Subtotal	LEE				-0.02	19.90	0.43	
4	MARTIN	1	f	6	0.96	6.33	4.83	0.0162
*5	SVENDS	2	m	6	0.48	14.27	2.21	0.0720
*6	BUTLER	2	f	1	0.07	15.67	0.00	0.7889
*8	HOLE	3	m	5	0.55	13.29	2.88	0.0457
*8	HOLE	2	f	5	0.50	7.04	1.23	0.1838
Subtotal	HOLE				0.88	20.33	4.12	
9	JACKSO	4	m	2	0.06	3.80	0.00	0.9095
9	JACKSO	2	f	2	1.32	2.76	4.22	0.0285
Subtotal	JACKSO				1.21	6.56	4.22	
*10	SANDLE	2	m	4	0.27	77.28	2.72	0.0176
*10	SANDLE	4	f	4	0.17	213.52	1.79	0.0110
Subtotal	SANDLE				0.28	290.80	4.52	
*11	HUMBLE	1	f	4	0.46	16.88	2.46	0.0567
12	DOBSON	4	m	2	-0.03	8.90	0.11	0.9276
12	DOBSON	2	f	2	0.90	14.40	9.63	0.0006
Subtotal	DOBSON				0.71	23.30	9.74	
13	LAVECC	2	m	0	0.09	5.43	0.00	0.8393
13	LAVECC	1	f	0	0.24	4.84	0.12	0.6013
Subtotal	LAVECC				0.16	10.27	0.12	
14	LAYARD	2	m	2	-0.03	48.72	0.62	0.8316
14	LAYARD	10	f	2	-0.01	147.49	1.26	0.9029
Subtotal	LAYARD				-0.21	196.21	1.88	
*15	LEVOIS	1	m	2	-0.03	646.64	8.22	0.4386
*15	LEVOIS	6	f	2	0.03	1627.60	4.53	0.2331
Subtotal	LEVOIS				-0.17	2274.24	12.75	
17	MUSCAT	1	m	0	0.32	8.14	0.48	0.3546
17	MUSCAT	2	f	0	0.28	5.82	0.23	0.4970
Subtotal	MUSCAT				0.44	13.96	0.71	
18	TUNSTA	2	c	4	0.29	77.54	3.43	0.0100
*19	STEENL	3	m	12	0.09	345.72	0.01	0.1091
*19	STEENL	4	f	13	0.04	314.64	0.58	0.4866
Subtotal	STEENL				-0.04	660.35	0.59	
20	JANGHO	1	f	0	0.32	27.39	1.57	0.0922
*21	KAWACH	11	f	15	0.43	9.45	1.11	0.1912
22	CIRUZZ	7	m	9	0.17	6.63	0.05	0.6699
22	CIRUZZ	8	f	9	0.55	8.71	1.89	0.1058
Subtotal	CIRUZZ				0.55	15.34	1.94	
23	MCELDU	4	m	4	-0.20	24.21	1.91	0.3288
23	MCELDU	2	f	4	0.77	10.66	4.98	0.0124
Subtotal	MCELDU				0.40	34.87	6.88	
25	HE	2	f	6	0.47	12.11	1.82	0.1020
26	IRIBAR	4	m	11	0.12	268.97	0.43	0.0450
26	IRIBAR	19	f	11	0.18	495.01	4.95	0.0000
Subtotal	IRIBAR				0.14	763.97	5.38	
27	ROSENL	2	m	8	-0.04	23.37	0.35	0.8436
27	ROSENL	14	f	8	0.43	17.27	2.03	0.0772
Subtotal	ROSENL				0.22	40.64	2.39	
28	PITSAV	9	c	6	0.29	23.73	0.98	0.1648
29	CHEN	10	c	20	0.18	11.72	0.12	0.5326

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)



Table 43  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 Excluding Enstrom  
 Overall - adjusted

Relative risks

	N	40
	NS	26
	Wt	4674.93
Het	Chi	76.07
Het	df	39
Het	P	***
Fixed	RR	1.09
	RRl	1.06
	RRu	1.12
	P	+++
Random	RR	1.17
	RRl	1.10
	RRu	1.24
	P	+++
Asymm	P	***

-----  
 Within each study, results are included (in the following order of preference) for:  
 1) EXP Exposure = spouse (s), household (h), total (t)  
 2) TIM Time of exposure = ever (e), during marriage (m), current (c)  
 3) TYP Disease type = both (b), fatal (f), non-fatal (n)  
 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 44  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 Excluding Enstrom  
 Overall - unadjusted

Overall

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
*1	HIRAYA	3	f	0	376	69645	118	21895	1.00	( 0.82- 1.23)
*2	GARLAN	1	f	0	17	492	2	203	3.51	( 0.82- 15.04)
3	LEE	1	m	0	15	40	26	93	1.34	( 0.64- 2.80)
3	LEE	3	f	0	55	229	22	89	0.97	( 0.56- 1.69)
Subtotal LEE									1.09	( 0.70- 1.70)
4	MARTIN	1	f	6	-	-	-	-	2.60	( 1.20- 5.70)
*5	SVENDS	1	m	0	21	286	48	959	1.47	( 0.89- 2.41)
*6	BUTLER	1	f	0	20	10579	60	43052	1.36	( 0.82- 2.25)
*8	HOLE	3	m	5	-	-	-	-	1.73	( 1.01- 2.96)
*8	HOLE	2	f	5	-	-	-	-	1.65	( 0.79- 3.46)
Subtotal HOLE									1.70	( 1.10- 2.63)
9	JACKSO	3	m	0	-	-	-	-	1.10	( 0.40- 3.00)
9	JACKSO	1	f	0	-	-	-	-	4.00	( 1.35- 13.10)
Subtotal JACKSO									1.94	( 0.91- 4.13)
*10	SANDLE	1	m	0	122	1248	248	2914	1.15	( 0.93- 1.41)
*10	SANDLE	3	f	0	551	9551	437	5322	0.70	( 0.62- 0.79)
Subtotal SANDLE									0.80	( 0.72- 0.88)
*11	HUMBLE	1	f	4	-	-	-	-	1.59	( 0.99- 2.57)
12	DOBSON	3	m	0	22	34	161	259	1.04	( 0.59- 1.84)
12	DOBSON	1	f	0	43	99	117	433	1.61	( 1.06- 2.43)
Subtotal DOBSON									1.39	( 0.99- 1.93)
13	LAVECC	2	m	0	9	21	55	140	1.09	( 0.47- 2.53)
13	LAVECC	1	f	0	32	39	11	17	1.27	( 0.52- 3.09)
Subtotal LAVECC									1.17	( 0.64- 2.16)
14	LAYARD	1	m	0	97	215	378	783	0.93	( 0.71- 1.22)
14	LAYARD	9	f	0	455	961	459	969	1.00	( 0.85- 1.17)
Subtotal LAYARD									0.98	( 0.86- 1.13)
*15	LEVOIS	1	m	2	-	-	-	-	0.97	( 0.90- 1.05)
*15	LEVOIS	6	f	2	-	-	-	-	1.03	( 0.98- 1.08)
Subtotal LEVOIS									1.01	( 0.97- 1.06)
17	MUSCAT	1	m	0	20	25	48	83	1.38	( 0.70- 2.75)
17	MUSCAT	2	f	0	28	27	18	23	1.33	( 0.59- 2.99)
Subtotal MUSCAT									1.36	( 0.80- 2.30)
18	TUNSTA	1	c	0	329	1216	99	483	1.32	( 1.03- 1.69)
*19	STEENL	3	m	12	-	-	-	-	1.09	( 0.98- 1.21)
*19	STEENL	4	f	13	-	-	-	-	1.04	( 0.93- 1.16)
Subtotal STEENL									1.07	( 0.99- 1.15)
20	JANGHO	1	f	0	63	100	137	300	1.38	( 0.95- 2.01)
*21	KAWACH	11	f	15	-	-	-	-	1.53	( 0.81- 2.90)
22	CIRUZZ	5	m	0	15	22	141	206	1.00	( 0.50- 1.99)
22	CIRUZZ	6	f	0	29	25	151	193	1.48	( 0.83- 2.64)
Subtotal CIRUZZ									1.26	( 0.81- 1.96)
23	MCELDU	3	m	0	53	172	145	373	0.79	( 0.55- 1.14)
23	MCELDU	1	f	0	31	147	54	479	1.87	( 1.16- 3.02)
Subtotal MCELDU									1.08	( 0.81- 1.45)
25	HE	1	f	0	76	95	39	113	2.32	( 1.44- 3.72)
26	IRIBAR	4	m	11	-	-	-	-	1.13	( 1.00- 1.27)
26	IRIBAR	19	f	11	-	-	-	-	1.20	( 1.09- 1.30)
Subtotal IRIBAR									1.17	( 1.09- 1.26)
27	ROSENL	1	m	0	53	113	141	285	0.95	( 0.65- 1.39)
27	ROSENL	13	f	0	65	119	59	144	1.33	( 0.87- 2.05)
Subtotal ROSENL									1.10	( 0.83- 1.47)
28	PITSAV	9	c	6	-	-	-	-	1.33	( 0.89- 1.99)
29	CHEN	10	c	20	-	-	-	-	1.20	( 0.70- 2.20)
Partial Totals					2597	95500	3174	79810		

\*prospective study

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 44  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 Excluding Enstrom  
 Overall - unadjusted

Overall

StN	Ref	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
*1	HIRAYA	3	f	0	0.00	90.30	0.21	0.9867
*2	GARLAN	1	f	0	1.25	1.81	2.63	0.0912
3	LEE	1	m	0	0.29	7.10	0.42	0.4340
3	LEE	3	f	0	-0.03	12.62	0.08	0.9185
Subtotal	LEE				0.17	19.72	0.50	
4	MARTIN	1	f	6	0.96	6.33	5.19	0.0162
*5	SVENDS	1	m	0	0.38	15.65	1.74	0.1296
*6	BUTLER	1	f	0	0.30	15.03	0.98	0.2372
*8	HOLE	3	m	5	0.55	13.29	3.30	0.0457
*8	HOLE	2	f	5	0.50	7.04	1.43	0.1838
Subtotal	HOLE				0.95	20.33	4.74	
9	JACKSO	3	m	0	0.10	3.78	0.01	0.8529
9	JACKSO	1	f	0	1.39	2.98	5.32	0.0168
Subtotal	JACKSO				1.38	6.76	5.32	
*10	SANDLE	1	m	0	0.14	90.22	0.71	0.1881
*10	SANDLE	3	f	0	-0.35	262.43	42.55	0.0000
Subtotal	SANDLE				-0.31	352.64	43.27	
*11	HUMBLE	1	f	4	0.46	16.88	2.89	0.0567
12	DOBSON	3	m	0	0.04	11.77	0.00	0.8905
12	DOBSON	1	f	0	0.47	22.62	4.08	0.0240
Subtotal	DOBSON				0.42	34.39	4.09	
13	LAVECC	2	m	0	0.09	5.43	0.01	0.8393
13	LAVECC	1	f	0	0.24	4.84	0.17	0.6013
Subtotal	LAVECC				0.23	10.27	0.18	
14	LAYARD	1	m	0	-0.07	52.96	0.73	0.6223
14	LAYARD	9	f	0	-0.00	155.06	0.39	0.9954
Subtotal	LAYARD				-0.17	208.02	1.12	
*15	LEVOIS	1	m	2	-0.03	646.64	4.15	0.4386
*15	LEVOIS	6	f	2	0.03	1627.60	0.66	0.2331
Subtotal	LEVOIS				-0.10	2274.24	4.81	
17	MUSCAT	1	m	0	0.32	8.14	0.61	0.3546
17	MUSCAT	2	f	0	0.28	5.82	0.31	0.4970
Subtotal	MUSCAT				0.51	13.96	0.93	
18	TUNSTA	1	c	0	0.28	62.37	3.24	0.0283
*19	STEENL	3	m	12	0.09	345.72	0.46	0.1091
*19	STEENL	4	f	13	0.04	314.64	0.03	0.4866
Subtotal	STEENL				0.03	660.35	0.49	
20	JANGHO	1	f	0	0.32	27.39	2.03	0.0922
*21	KAWACH	11	f	15	0.43	9.45	1.33	0.1912
22	CIRUZZ	5	m	0	-0.00	8.06	0.02	0.9912
22	CIRUZZ	6	f	0	0.39	11.59	1.37	0.1800
Subtotal	CIRUZZ				0.29	19.65	1.40	
23	MCELDU	3	m	0	-0.23	29.19	2.32	0.2093
23	MCELDU	1	f	0	0.63	16.76	5.57	0.0104
Subtotal	MCELDU				0.29	45.95	7.89	
25	HE	1	f	0	0.84	17.19	10.75	0.0005
26	IRIBAR	4	m	11	0.12	268.97	1.41	0.0450
26	IRIBAR	19	f	11	0.18	495.01	8.71	0.0000
Subtotal	IRIBAR				0.21	763.97	10.12	
27	ROSENL	1	m	0	-0.05	26.10	0.28	0.7851
27	ROSENL	13	f	0	0.29	20.97	1.19	0.1879
Subtotal	ROSENL				0.13	47.07	1.46	
28	PITSAV	9	c	6	0.29	23.73	1.32	0.1648
29	CHEN	10	c	20	0.18	11.72	0.21	0.5326

-----  
 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 44  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 Excluding Enstrom  
 Overall - unadjusted

Relative risks

	N	40
	NS	26
	Wt	4775.18
Het	Chi	118.84
Het	df	39
Het	P	***
Fixed	RR	1.05
	RRl	1.02
	RRu	1.08
	P	+++
Random	RR	1.15
	RRl	1.07
	RRu	1.23
	P	+++
Asymm	P	**

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 45  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 Excluding Enstrom  
 By sex - adjusted

combined

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
18	TUNSTA	2	c	4	-	-	-	-	1.34	( 1.07- 1.67)
28	PITSAV	9	c	6	-	-	-	-	1.33	( 0.89- 1.99)
29	CHEN	10	c	20	-	-	-	-	1.20	( 0.70- 2.20)
Partial Totals					0	0	0	0		

\*prospective study

male

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
3	LEE	2	m	2	-	-	-	-	1.24	( 0.59- 2.59)
*5	SVENDS	2	m	6	-	-	-	-	1.61	( 0.96- 2.71)
*8	HOLE	3	m	5	-	-	-	-	1.73	( 1.01- 2.96)
9	JACKSO	4	m	2	-	-	-	-	1.06	( 0.39- 2.91)
*10	SANDLE	2	m	4	-	-	-	-	1.31	( 1.05- 1.64)
12	DOBSON	4	m	2	-	-	-	-	0.97	( 0.50- 1.86)
13	LAVECC	2	m	0	9	21	55	140	1.09	( 0.47- 2.53)
14	LAYARD	2	m	2	-	-	-	-	0.97	( 0.73- 1.28)
*15	LEVOIS	1	m	2	-	-	-	-	0.97	( 0.90- 1.05)
17	MUSCAT	1	m	0	20	25	48	83	1.38	( 0.70- 2.75)
*19	STEENL	3	m	12	-	-	-	-	1.09	( 0.98- 1.21)
22	CIRUZZ	7	m	9	-	-	-	-	1.18	( 0.55- 2.52)
23	MCELDU	4	m	4	-	-	-	-	0.82	( 0.55- 1.22)
26	IRIBAR	4	m	11	-	-	-	-	1.13	( 1.00- 1.27)
27	ROSENL	2	m	8	-	-	-	-	0.96	( 0.64- 1.44)
Partial Totals					29	46	103	223		

\*prospective study

female

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
*1	HIRAYA	6	f	1	-	-	-	-	1.16	( 0.94- 1.43)
*2	GARLAN	5	f	5	-	-	-	-	2.70	( 0.63- 11.58)
3	LEE	4	f	2	-	-	-	-	0.93	( 0.54- 1.61)
4	MARTIN	1	f	6	-	-	-	-	2.60	( 1.20- 5.70)
*6	BUTLER	2	f	1	-	-	-	-	1.07	( 0.65- 1.75)
*8	HOLE	2	f	5	-	-	-	-	1.65	( 0.79- 3.46)
9	JACKSO	2	f	2	-	-	-	-	3.74	( 1.15- 12.19)
*10	SANDLE	4	f	4	-	-	-	-	1.19	( 1.04- 1.36)
*11	HUMBLE	1	f	4	-	-	-	-	1.59	( 0.99- 2.57)
12	DOBSON	2	f	2	-	-	-	-	2.46	( 1.47- 4.13)
13	LAVECC	1	f	0	32	39	11	17	1.27	( 0.52- 3.09)
14	LAYARD	10	f	2	-	-	-	-	0.99	( 0.84- 1.16)
*15	LEVOIS	6	f	2	-	-	-	-	1.03	( 0.98- 1.08)
17	MUSCAT	2	f	0	28	27	18	23	1.33	( 0.59- 2.99)
*19	STEENL	4	f	13	-	-	-	-	1.04	( 0.93- 1.16)
20	JANGHO	1	f	0	63	100	137	300	1.38	( 0.95- 2.01)
*21	KAWACH	11	f	15	-	-	-	-	1.53	( 0.81- 2.90)
22	CIRUZZ	8	f	9	-	-	-	-	1.73	( 0.89- 3.36)
23	MCELDU	2	f	4	-	-	-	-	2.15	( 1.18- 3.92)
25	HE	2	f	6	-	-	-	-	1.60	( 0.94- 2.90)
26	IRIBAR	19	f	11	-	-	-	-	1.20	( 1.09- 1.30)
27	ROSENL	14	f	8	-	-	-	-	1.53	( 0.95- 2.44)
Partial Totals					123	166	166	340		

\*prospective study

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 45  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 Excluding Enstrom  
 By sex - adjusted

	combined	male	female	Total
Relative risks				
N	3	15	22	40
NS	3	15	22	40
Wt	112.99	1502.40	3059.55	4674.93
Het Chi	0.12	18.63	51.22	76.07
Het df	2	14	21	39
Het P	N.S.	N.S.	***	***
Fixed RR	1.32	1.05	1.09	1.09
RRl	1.10	1.00	1.06	1.06
RRu	1.59	1.11	1.13	1.12
P	++	+	+++	+++
Random RR	1.32	1.08	1.23	1.17
RRl	1.10	1.00	1.12	1.10
RRu	1.59	1.17	1.34	1.24
P	++	+	+++	+++
Asymm P	N.S.	N.S.	***	***
Between Chi		5.50	3.90	6.09
Between df		1	1	2
Between P		-	-	*

-----  
 Within each study, results are included (in the following order of preference) for:  
 1) EXP Exposure = spouse (s), household (h), total (t)  
 2) TIM Time of exposure = ever (e), during marriage (m), current (c)  
 3) TYP Disease type = both (b), fatal (f), non-fatal (n)  
 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 46  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 Excluding Enstrom  
 By sex - unadjusted

combined

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
18	TUNSTA	1	c	0	329	1216	99	483	1.32	( 1.03- 1.69)
28	PITSAV	9	c	6	-	-	-	-	1.33	( 0.89- 1.99)
29	CHEN	10	c	20	-	-	-	-	1.20	( 0.70- 2.20)
Partial Totals					329	1216	99	483		

\*prospective study

male

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
3	LEE	1	m	0	15	40	26	93	1.34	( 0.64- 2.80)
*5	SVENDS	1	m	0	21	286	48	959	1.47	( 0.89- 2.41)
*8	HOLE	3	m	5	-	-	-	-	1.73	( 1.01- 2.96)
9	JACKSO	3	m	0	-	-	-	-	1.10	( 0.40- 3.00)
*10	SANDLE	1	m	0	122	1248	248	2914	1.15	( 0.93- 1.41)
12	DOBSON	3	m	0	22	34	161	259	1.04	( 0.59- 1.84)
13	LAVECC	2	m	0	9	21	55	140	1.09	( 0.47- 2.53)
14	LAYARD	1	m	0	97	215	378	783	0.93	( 0.71- 1.22)
*15	LEVOIS	1	m	2	-	-	-	-	0.97	( 0.90- 1.05)
17	MUSCAT	1	m	0	20	25	48	83	1.38	( 0.70- 2.75)
*19	STEENL	3	m	12	-	-	-	-	1.09	( 0.98- 1.21)
22	CIRUZZ	5	m	0	15	22	141	206	1.00	( 0.50- 1.99)
23	MCELDU	3	m	0	53	172	145	373	0.79	( 0.55- 1.14)
26	IRIBAR	4	m	11	-	-	-	-	1.13	( 1.00- 1.27)
27	ROSENL	1	m	0	53	113	141	285	0.95	( 0.65- 1.39)
Partial Totals					427	2176	1391	6095		

\*prospective study

female

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
*1	HIRAYA	3	f	0	376	69645	118	21895	1.00	( 0.82- 1.23)
*2	GARLAN	1	f	0	17	492	2	203	3.51	( 0.82- 15.04)
3	LEE	3	f	0	55	229	22	89	0.97	( 0.56- 1.69)
4	MARTIN	1	f	6	-	-	-	-	2.60	( 1.20- 5.70)
*6	BUTLER	1	f	0	20	10579	60	43052	1.36	( 0.82- 2.25)
*8	HOLE	2	f	5	-	-	-	-	1.65	( 0.79- 3.46)
9	JACKSO	1	f	0	-	-	-	-	4.00	( 1.35- 13.10)
*10	SANDLE	3	f	0	551	9551	437	5322	0.70	( 0.62- 0.79)
*11	HUMBLE	1	f	4	-	-	-	-	1.59	( 0.99- 2.57)
12	DOBSON	1	f	0	43	99	117	433	1.61	( 1.06- 2.43)
13	LAVECC	1	f	0	32	39	11	17	1.27	( 0.52- 3.09)
14	LAYARD	9	f	0	455	961	459	969	1.00	( 0.85- 1.17)
*15	LEVOIS	6	f	2	-	-	-	-	1.03	( 0.98- 1.08)
17	MUSCAT	2	f	0	28	27	18	23	1.33	( 0.59- 2.99)
*19	STEENL	4	f	13	-	-	-	-	1.04	( 0.93- 1.16)
20	JANGHO	1	f	0	63	100	137	300	1.38	( 0.95- 2.01)
*21	KAWACH	11	f	15	-	-	-	-	1.53	( 0.81- 2.90)
22	CIRUZZ	6	f	0	29	25	151	193	1.48	( 0.83- 2.64)
23	MCELDU	1	f	0	31	147	54	479	1.87	( 1.16- 3.02)
25	HE	1	f	0	76	95	39	113	2.32	( 1.44- 3.72)
26	IRIBAR	19	f	11	-	-	-	-	1.20	( 1.09- 1.30)
27	ROSENL	13	f	0	65	119	59	144	1.33	( 0.87- 2.05)
Partial Totals					1841	92108	1684	73232		

\*prospective study

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 46  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 Excluding Enstrom  
 By sex - unadjusted

	combined	male	female	Total
Relative risks				
N	3	15	22	40
NS	3	15	22	40
Wt	97.82	1533.01	3144.35	4775.18
Het Chi	0.10	16.08	97.87	118.84
Het df	2	14	21	39
Het P	N.S.	N.S.	***	***
Fixed RR	1.31	1.04	1.05	1.05
RRl	1.07	0.99	1.01	1.02
RRu	1.59	1.10	1.09	1.08
P	++	N.S.	++	+++
Random RR	1.31	1.05	1.23	1.15
RRl	1.07	0.99	1.09	1.07
RRu	1.59	1.12	1.38	1.23
P	++	N.S.	+++	+++
Asymm P	N.S.	N.S.	*	**
Between Chi		4.74	4.63	4.80
Between df		1	1	2
Between P		-	-	(*)

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)



Table 47  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 Excluding Enstrom  
 By continent - adjusted

NAmerica

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
*2	GARLAN	5	f	5	-	-	-	-	2.70	( 0.63- 11.58)
4	MARTIN	1	f	6	-	-	-	-	2.60	( 1.20- 5.70)
*5	SVENDS	2	m	6	-	-	-	-	1.61	( 0.96- 2.71)
*6	BUTLER	2	f	1	-	-	-	-	1.07	( 0.65- 1.75)
*10	SANDLE	2	m	4	-	-	-	-	1.31	( 1.05- 1.64)
*10	SANDLE	4	f	4	-	-	-	-	1.19	( 1.04- 1.36)
Subtotal	SANDLE								1.22	( 1.09- 1.37)
*11	HUMBLE	1	f	4	-	-	-	-	1.59	( 0.99- 2.57)
14	LAYARD	2	m	2	-	-	-	-	0.97	( 0.73- 1.28)
14	LAYARD	10	f	2	-	-	-	-	0.99	( 0.84- 1.16)
Subtotal	LAYARD								0.98	( 0.86- 1.13)
*15	LEVOIS	1	m	2	-	-	-	-	0.97	( 0.90- 1.05)
*15	LEVOIS	6	f	2	-	-	-	-	1.03	( 0.98- 1.08)
Subtotal	LEVOIS								1.01	( 0.97- 1.06)
17	MUSCAT	1	m	0	20	25	48	83	1.38	( 0.70- 2.75)
17	MUSCAT	2	f	0	28	27	18	23	1.33	( 0.59- 2.99)
Subtotal	MUSCAT								1.36	( 0.80- 2.30)
*19	STEENL	3	m	12	-	-	-	-	1.09	( 0.98- 1.21)
*19	STEENL	4	f	13	-	-	-	-	1.04	( 0.93- 1.16)
Subtotal	STEENL								1.07	( 0.99- 1.15)
*21	KAWACH	11	f	15	-	-	-	-	1.53	( 0.81- 2.90)
26	IRIBAR	4	m	11	-	-	-	-	1.13	( 1.00- 1.27)
26	IRIBAR	19	f	11	-	-	-	-	1.20	( 1.09- 1.30)
Subtotal	IRIBAR								1.17	( 1.09- 1.26)
Partial Totals					48	52	66	106		

\*prospective study

Europe

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
3	LEE	2	m	2	-	-	-	-	1.24	( 0.59- 2.59)
3	LEE	4	f	2	-	-	-	-	0.93	( 0.54- 1.61)
Subtotal	LEE								1.03	( 0.66- 1.60)
*8	HOLE	3	m	5	-	-	-	-	1.73	( 1.01- 2.96)
*8	HOLE	2	f	5	-	-	-	-	1.65	( 0.79- 3.46)
Subtotal	HOLE								1.70	( 1.10- 2.63)
13	LAVECC	2	m	0	9	21	55	140	1.09	( 0.47- 2.53)
13	LAVECC	1	f	0	32	39	11	17	1.27	( 0.52- 3.09)
Subtotal	LAVECC								1.17	( 0.64- 2.16)
18	TUNSTA	2	c	4	-	-	-	-	1.34	( 1.07- 1.67)
27	ROSENL	2	m	8	-	-	-	-	0.96	( 0.64- 1.44)
27	ROSENL	14	f	8	-	-	-	-	1.53	( 0.95- 2.44)
Subtotal	ROSENL								1.17	( 0.86- 1.59)
28	PITSAV	9	c	6	-	-	-	-	1.33	( 0.89- 1.99)
29	CHEN	10	c	20	-	-	-	-	1.20	( 0.70- 2.20)
Partial Totals					41	60	66	157		

\*prospective study

Asia

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
*1	HIRAYA	6	f	1	-	-	-	-	1.16	( 0.94- 1.43)
20	JANGHO	1	f	0	63	100	137	300	1.38	( 0.95- 2.01)
25	HE	2	f	6	-	-	-	-	1.60	( 0.94- 2.90)
Partial Totals					63	100	137	300		

\*prospective study

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 47  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 Excluding Enstrom  
 By continent - adjusted

Other

StN	Ref	NRR	SEX	ADJ	Numbers		Non-exposed		RR	95.00%CI
					Exposed Case	Cont	Case	Cont		
9	JACKSO	4	m	2	-	-	-	-	1.06	( 0.39- 2.91)
9	JACKSO	2	f	2	-	-	-	-	3.74	( 1.15- 12.19)
Subtotal JACKSO									1.80	( 0.84- 3.87)
12	DOBSON	4	m	2	-	-	-	-	0.97	( 0.50- 1.86)
12	DOBSON	2	f	2	-	-	-	-	2.46	( 1.47- 4.13)
Subtotal DOBSON									1.72	( 1.15- 2.59)
22	CIRUZZ	7	m	9	-	-	-	-	1.18	( 0.55- 2.52)
22	CIRUZZ	8	f	9	-	-	-	-	1.73	( 0.89- 3.36)
Subtotal CIRUZZ									1.47	( 0.89- 2.42)
23	MCELDU	4	m	4	-	-	-	-	0.82	( 0.55- 1.22)
23	MCELDU	2	f	4	-	-	-	-	2.15	( 1.18- 3.92)
Subtotal MCELDU									1.10	( 0.79- 1.53)
Partial Totals					0	0	0	0		
*prospective study										

Relative risks	NAmerica		Europe		Asia		Other		Total	
	N	NS								
	18	12	11	7	3	3	8	4	40	26
	Wt	4263.94	204.13		126.79		80.07		4674.93	
	Het Chi	36.78	5.85		1.49		18.19		76.07	
	Het df	17	10		2		7		39	
	Het P	**	N.S.		N.S.		*		***	
	Fixed RR	1.07	1.28		1.24		1.38		1.09	
	RRl	1.04	1.12		1.04		1.11		1.06	
	RRu	1.10	1.47		1.48		1.72		1.12	
	P	+++	+++		+		++		+++	
	Random RR	1.11	1.28		1.24		1.48		1.17	
	RRl	1.04	1.12		1.04		1.02		1.10	
	RRu	1.17	1.47		1.48		2.16		1.24	
	P	+++	+++		+		+		+++	
	Asymm P	**	N.S.		(*)		N.S.		***	
	Between Chi		6.60		2.80		5.15		13.77	
	Between df		1		1		1		3	
	Between P		+		(+)		+		**	

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 48  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 Excluding Enstrom  
 By continent - unadjusted

NAmerica

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
*2	GARLAN	1	f	0	17	492	2	203	3.51	( 0.82- 15.04)
4	MARTIN	1	f	6	-	-	-	-	2.60	( 1.20- 5.70)
*5	SVENDS	1	m	0	21	286	48	959	1.47	( 0.89- 2.41)
*6	BUTLER	1	f	0	20	10579	60	43052	1.36	( 0.82- 2.25)
*10	SANDLE	1	m	0	122	1248	248	2914	1.15	( 0.93- 1.41)
*10	SANDLE	3	f	0	551	9551	437	5322	0.70	( 0.62- 0.79)
Subtotal	SANDLE								0.80	( 0.72- 0.88)
*11	HUMBLE	1	f	4	-	-	-	-	1.59	( 0.99- 2.57)
14	LAYARD	1	m	0	97	215	378	783	0.93	( 0.71- 1.22)
14	LAYARD	9	f	0	455	961	459	969	1.00	( 0.85- 1.17)
Subtotal	LAYARD								0.98	( 0.86- 1.13)
*15	LEVOIS	1	m	2	-	-	-	-	0.97	( 0.90- 1.05)
*15	LEVOIS	6	f	2	-	-	-	-	1.03	( 0.98- 1.08)
Subtotal	LEVOIS								1.01	( 0.97- 1.06)
17	MUSCAT	1	m	0	20	25	48	83	1.38	( 0.70- 2.75)
17	MUSCAT	2	f	0	28	27	18	23	1.33	( 0.59- 2.99)
Subtotal	MUSCAT								1.36	( 0.80- 2.30)
*19	STEENL	3	m	12	-	-	-	-	1.09	( 0.98- 1.21)
*19	STEENL	4	f	13	-	-	-	-	1.04	( 0.93- 1.16)
Subtotal	STEENL								1.07	( 0.99- 1.15)
*21	KAWACH	11	f	15	-	-	-	-	1.53	( 0.81- 2.90)
26	IRIBAR	4	m	11	-	-	-	-	1.13	( 1.00- 1.27)
26	IRIBAR	19	f	11	-	-	-	-	1.20	( 1.09- 1.30)
Subtotal	IRIBAR								1.17	( 1.09- 1.26)
Partial Totals					1331	23384	1698	54308		

\*prospective study

Europe

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
3	LEE	1	m	0	15	40	26	93	1.34	( 0.64- 2.80)
3	LEE	3	f	0	55	229	22	89	0.97	( 0.56- 1.69)
Subtotal	LEE								1.09	( 0.70- 1.70)
*8	HOLE	3	m	5	-	-	-	-	1.73	( 1.01- 2.96)
*8	HOLE	2	f	5	-	-	-	-	1.65	( 0.79- 3.46)
Subtotal	HOLE								1.70	( 1.10- 2.63)
13	LAVECC	2	m	0	9	21	55	140	1.09	( 0.47- 2.53)
13	LAVECC	1	f	0	32	39	11	17	1.27	( 0.52- 3.09)
Subtotal	LAVECC								1.17	( 0.64- 2.16)
18	TUNSTA	1	c	0	329	1216	99	483	1.32	( 1.03- 1.69)
27	ROSENL	1	m	0	53	113	141	285	0.95	( 0.65- 1.39)
27	ROSENL	13	f	0	65	119	59	144	1.33	( 0.87- 2.05)
Subtotal	ROSENL								1.10	( 0.83- 1.47)
28	PITSAV	9	c	6	-	-	-	-	1.33	( 0.89- 1.99)
29	CHEN	10	c	20	-	-	-	-	1.20	( 0.70- 2.20)
Partial Totals					558	1777	413	1251		

\*prospective study

Asia

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
*1	HIRAYA	3	f	0	376	69645	118	21895	1.00	( 0.82- 1.23)
20	JANGHO	1	f	0	63	100	137	300	1.38	( 0.95- 2.01)
25	HE	1	f	0	76	95	39	113	2.32	( 1.44- 3.72)
Totals					515	69840	294	22308		

\*prospective study

-----  
 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 48  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 Excluding Enstrom  
 By continent - unadjusted

Other

StN	Ref	NRR	SEX	ADJ	Numbers		Non-exposed		RR	95.00%CI
					Exposed Case	Cont	Case	Cont		
9	JACKSO	3	m	0	-	-	-	-	1.10	( 0.40- 3.00)
9	JACKSO	1	f	0	-	-	-	-	4.00	( 1.35- 13.10)
Subtotal JACKSO									1.94	( 0.91- 4.13)
12	DOBSON	3	m	0	22	34	161	259	1.04	( 0.59- 1.84)
12	DOBSON	1	f	0	43	99	117	433	1.61	( 1.06- 2.43)
Subtotal DOBSON									1.39	( 0.99- 1.93)
22	CIRUZZ	5	m	0	15	22	141	206	1.00	( 0.50- 1.99)
22	CIRUZZ	6	f	0	29	25	151	193	1.48	( 0.83- 2.64)
Subtotal CIRUZZ									1.26	( 0.81- 1.96)
23	MCELDU	3	m	0	53	172	145	373	0.79	( 0.55- 1.14)
23	MCELDU	1	f	0	31	147	54	479	1.87	( 1.16- 3.02)
Subtotal MCELDU									1.08	( 0.81- 1.45)
Partial Totals					193	499	769	1943		

\*prospective study

Relative risks	NAmerica		Europe		Asia		Other		Total	
	N	NS	N	NS	N	NS	N	NS	N	NS
	18	12	11	7	3	3	8	4	40	26
	Wt	4338.33	195.21		134.88		106.75		4775.18	
	Het Chi	74.36	5.25		10.92		15.45		118.84	
	Het df	17	10		2		7		39	
	Het P	***	N.S.		**		*		***	
	Fixed RR	1.03	1.26		1.19		1.25		1.05	
	RRl	1.00	1.09		1.00		1.04		1.02	
	RRu	1.07	1.45		1.41		1.51		1.08	
	P	+	++		+		+		+++	
	Random RR	1.07	1.26		1.42		1.31		1.15	
	RRl	0.99	1.09		0.89		0.97		1.07	
	RRu	1.17	1.45		2.25		1.78		1.23	
	P	N.S.	++		N.S.		(+)		+++	
	Asymm P	N.S.	N.S.		N.S.		N.S.		**	
	Between Chi		7.26		2.57		3.80		12.87	
	Between df		1		1		1		3	
	Between P		++		N.S.		(+)		**	

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 49  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 Excluding Enstrom  
 By publication year (grouped) - adjusted

1984-88

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
*1	HIRAYA 6		f	1	-	-	-	-	1.16 ( 0.94- 1.43)	
*2	GARLAN 5		f	5	-	-	-	-	2.70 ( 0.63- 11.58)	
3	LEE 2		m	2	-	-	-	-	1.24 ( 0.59- 2.59)	
3	LEE 4		f	2	-	-	-	-	0.93 ( 0.54- 1.61)	
Subtotal	LEE								1.03 ( 0.66- 1.60)	
4	MARTIN 1		f	6	-	-	-	-	2.60 ( 1.20- 5.70)	
*5	SVENDS 2		m	6	-	-	-	-	1.61 ( 0.96- 2.71)	
*6	BUTLER 2		f	1	-	-	-	-	1.07 ( 0.65- 1.75)	
Partial Totals					0	0	0	0		

\*prospective study

1989-92

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
*8	HOLE 3		m	5	-	-	-	-	1.73 ( 1.01- 2.96)	
*8	HOLE 2		f	5	-	-	-	-	1.65 ( 0.79- 3.46)	
Subtotal	HOLE								1.70 ( 1.10- 2.63)	
9	JACKSO 4		m	2	-	-	-	-	1.06 ( 0.39- 2.91)	
9	JACKSO 2		f	2	-	-	-	-	3.74 ( 1.15- 12.19)	
Subtotal	JACKSO								1.80 ( 0.84- 3.87)	
*10	SANDLE 2		m	4	-	-	-	-	1.31 ( 1.05- 1.64)	
*10	SANDLE 4		f	4	-	-	-	-	1.19 ( 1.04- 1.36)	
Subtotal	SANDLE								1.22 ( 1.09- 1.37)	
*11	HUMBLE 1		f	4	-	-	-	-	1.59 ( 0.99- 2.57)	
12	DOBSON 4		m	2	-	-	-	-	0.97 ( 0.50- 1.86)	
12	DOBSON 2		f	2	-	-	-	-	2.46 ( 1.47- 4.13)	
Subtotal	DOBSON								1.72 ( 1.15- 2.59)	
13	LAVECC 2		m	0	9	21	55	140	1.09 ( 0.47- 2.53)	
13	LAVECC 1		f	0	32	39	11	17	1.27 ( 0.52- 3.09)	
Subtotal	LAVECC								1.17 ( 0.64- 2.16)	
Partial Totals					41	60	66	157		

\*prospective study

1993-96

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
14	LAYARD 2		m	2	-	-	-	-	0.97 ( 0.73- 1.28)	
14	LAYARD 10		f	2	-	-	-	-	0.99 ( 0.84- 1.16)	
Subtotal	LAYARD								0.98 ( 0.86- 1.13)	
*15	LEVOIS 1		m	2	-	-	-	-	0.97 ( 0.90- 1.05)	
*15	LEVOIS 6		f	2	-	-	-	-	1.03 ( 0.98- 1.08)	
Subtotal	LEVOIS								1.01 ( 0.97- 1.06)	
17	MUSCAT 1		m	0	20	25	48	83	1.38 ( 0.70- 2.75)	
17	MUSCAT 2		f	0	28	27	18	23	1.33 ( 0.59- 2.99)	
Subtotal	MUSCAT								1.36 ( 0.80- 2.30)	
18	TUNSTA 2		c	4	-	-	-	-	1.34 ( 1.07- 1.67)	
*19	STEENL 3		m	12	-	-	-	-	1.09 ( 0.98- 1.21)	
*19	STEENL 4		f	13	-	-	-	-	1.04 ( 0.93- 1.16)	
Subtotal	STEENL								1.07 ( 0.99- 1.15)	
Partial Totals					48	52	66	106		

\*prospective study

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 49  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 Excluding Enstrom  
 By publication year (grouped) - adjusted

1997-

StN	Ref	NRR	SEX	ADJ	Numbers		Non-exposed		RR	95.00%CI
					Exposed Case	Cont	Case	Cont		
20	JANGHO	1	f	0	63	100	137	300	1.38	( 0.95- 2.01)
*21	KAWACH	11	f	15	-	-	-	-	1.53	( 0.81- 2.90)
22	CIRUZZ	7	m	9	-	-	-	-	1.18	( 0.55- 2.52)
22	CIRUZZ	8	f	9	-	-	-	-	1.73	( 0.89- 3.36)
Subtotal CIRUZZ									1.47	( 0.89- 2.42)
23	MCELDU	4	m	4	-	-	-	-	0.82	( 0.55- 1.22)
23	MCELDU	2	f	4	-	-	-	-	2.15	( 1.18- 3.92)
Subtotal MCELDU									1.10	( 0.79- 1.53)
25	HE	2	f	6	-	-	-	-	1.60	( 0.94- 2.90)
26	IRIBAR	4	m	11	-	-	-	-	1.13	( 1.00- 1.27)
26	IRIBAR	19	f	11	-	-	-	-	1.20	( 1.09- 1.30)
Subtotal IRIBAR									1.17	( 1.09- 1.26)
27	ROSENL	2	m	8	-	-	-	-	0.96	( 0.64- 1.44)
27	ROSENL	14	f	8	-	-	-	-	1.53	( 0.95- 2.44)
Subtotal ROSENL									1.17	( 0.86- 1.59)
28	PITSAV	9	c	6	-	-	-	-	1.33	( 0.89- 1.99)
29	CHEN	10	c	20	-	-	-	-	1.20	( 0.70- 2.20)
Partial Totals					63	100	137	300		

\*prospective study

Relative risks	1984-88		1989-92		1993-96		1997-		Total			
	N	7	11	9	13	40	NS	6	6	5	9	26
Wt	145.27	368.15	3222.30	939.21	4674.93							
Het Chi	7.31	13.86	10.32	13.77	76.07							
Het df	6	10	8	12	39							
Het P	N.S.	N.S.	N.S.	N.S.	***							
Fixed RR	1.22	1.29	1.03	1.19	1.09							
RRl	1.04	1.17	0.99	1.12	1.06							
RRu	1.44	1.43	1.07	1.27	1.12							
P	+	+++	(+)	+++	+++							
Random RR	1.26	1.39	1.04	1.20	1.17							
RRl	1.02	1.18	0.99	1.10	1.10							
RRu	1.55	1.64	1.08	1.31	1.24							
P	+	+++	N.S.	+++	+++							
Asymm P	N.S.	N.S.	N.S.	N.S.	***							
Between Chi		0.33	4.11	0.07	30.81							
Between df		1	1	1	3							
Between P		N.S.	-	N.S.	***							

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 50  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 Excluding Enstrom  
 By publication year (grouped) - unadjusted

1984-88

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
*1	HIRAYA 3		f	0	376	69645	118	21895	1.00	( 0.82- 1.23)
*2	GARLAN 1		f	0	17	492	2	203	3.51	( 0.82- 15.04)
3	LEE 1		m	0	15	40	26	93	1.34	( 0.64- 2.80)
3	LEE 3		f	0	55	229	22	89	0.97	( 0.56- 1.69)
Subtotal	LEE								1.09	( 0.70- 1.70)
4	MARTIN 1		f	6	-	-	-	-	2.60	( 1.20- 5.70)
*5	SVENDS 1		m	0	21	286	48	959	1.47	( 0.89- 2.41)
*6	BUTLER 1		f	0	20	10579	60	43052	1.36	( 0.82- 2.25)
Partial Totals					504	81271	276	66291		
*prospective study										

1989-92

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
*8	HOLE 3		m	5	-	-	-	-	1.73	( 1.01- 2.96)
*8	HOLE 2		f	5	-	-	-	-	1.65	( 0.79- 3.46)
Subtotal	HOLE								1.70	( 1.10- 2.63)
9	JACKSO 3		m	0	-	-	-	-	1.10	( 0.40- 3.00)
9	JACKSO 1		f	0	-	-	-	-	4.00	( 1.35- 13.10)
Subtotal	JACKSO								1.94	( 0.91- 4.13)
*10	SANDLE 1		m	0	122	1248	248	2914	1.15	( 0.93- 1.41)
*10	SANDLE 3		f	0	551	9551	437	5322	0.70	( 0.62- 0.79)
Subtotal	SANDLE								0.80	( 0.72- 0.88)
*11	HUMBLE 1		f	4	-	-	-	-	1.59	( 0.99- 2.57)
12	DOBSON 3		m	0	22	34	161	259	1.04	( 0.59- 1.84)
12	DOBSON 1		f	0	43	99	117	433	1.61	( 1.06- 2.43)
Subtotal	DOBSON								1.39	( 0.99- 1.93)
13	LAVECC 2		m	0	9	21	55	140	1.09	( 0.47- 2.53)
13	LAVECC 1		f	0	32	39	11	17	1.27	( 0.52- 3.09)
Subtotal	LAVECC								1.17	( 0.64- 2.16)
Partial Totals					779	10992	1029	9085		
*prospective study										

1993-96

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
14	LAYARD 1		m	0	97	215	378	783	0.93	( 0.71- 1.22)
14	LAYARD 9		f	0	455	961	459	969	1.00	( 0.85- 1.17)
Subtotal	LAYARD								0.98	( 0.86- 1.13)
*15	LEVOIS 1		m	2	-	-	-	-	0.97	( 0.90- 1.05)
*15	LEVOIS 6		f	2	-	-	-	-	1.03	( 0.98- 1.08)
Subtotal	LEVOIS								1.01	( 0.97- 1.06)
17	MUSCAT 1		m	0	20	25	48	83	1.38	( 0.70- 2.75)
17	MUSCAT 2		f	0	28	27	18	23	1.33	( 0.59- 2.99)
Subtotal	MUSCAT								1.36	( 0.80- 2.30)
18	TUNSTA 1		c	0	329	1216	99	483	1.32	( 1.03- 1.69)
*19	STEENL 3		m	12	-	-	-	-	1.09	( 0.98- 1.21)
*19	STEENL 4		f	13	-	-	-	-	1.04	( 0.93- 1.16)
Subtotal	STEENL								1.07	( 0.99- 1.15)
Partial Totals					929	2444	1002	2341		
*prospective study										

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 50  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 16-FEB-04  
 Excluding Enstrom  
 By publication year (grouped) - unadjusted

1997-

StN	Ref	NRR	SEX	ADJ	Numbers		Non-exposed		RR	95.00%CI
					Exposed Case	Cont	Case	Cont		
20	JANGHO	1	f	0	63	100	137	300	1.38	( 0.95- 2.01)
*21	KAWACH	11	f	15	-	-	-	-	1.53	( 0.81- 2.90)
22	CIRUZZ	5	m	0	15	22	141	206	1.00	( 0.50- 1.99)
22	CIRUZZ	6	f	0	29	25	151	193	1.48	( 0.83- 2.64)
Subtotal CIRUZZ									1.26	( 0.81- 1.96)
23	MCELDU	3	m	0	53	172	145	373	0.79	( 0.55- 1.14)
23	MCELDU	1	f	0	31	147	54	479	1.87	( 1.16- 3.02)
Subtotal MCELDU									1.08	( 0.81- 1.45)
25	HE	1	f	0	76	95	39	113	2.32	( 1.44- 3.72)
26	IRIBAR	4	m	11	-	-	-	-	1.13	( 1.00- 1.27)
26	IRIBAR	19	f	11	-	-	-	-	1.20	( 1.09- 1.30)
Subtotal IRIBAR									1.17	( 1.09- 1.26)
27	ROSENL	1	m	0	53	113	141	285	0.95	( 0.65- 1.39)
27	ROSENL	13	f	0	65	119	59	144	1.33	( 0.87- 2.05)
Subtotal ROSENL									1.10	( 0.83- 1.47)
28	PITSAV	9	c	6	-	-	-	-	1.33	( 0.89- 1.99)
29	CHEN	10	c	20	-	-	-	-	1.20	( 0.70- 2.20)
Partial Totals					385	793	867	2093		

\*prospective study

Relative risks		1984-88	1989-92	1993-96	1997-	Total
	N	7	11	9	13	40
	NS	6	6	5	9	26
	Wt	148.83	441.28	3218.94	966.12	4775.18
	Het Chi	10.05	50.58	9.01	20.55	118.84
	Het df	6	10	8	12	39
	Het P	N.S.	***	N.S.	(*)	***
Fixed	RR	1.15	0.90	1.03	1.20	1.05
	RRl	0.98	0.82	0.99	1.12	1.02
	RRu	1.35	0.99	1.06	1.27	1.08
	P	(+)	-	N.S.	+++	+++
Random	RR	1.29	1.29	1.03	1.23	1.15
	RRl	1.00	0.96	0.99	1.10	1.07
	RRu	1.68	1.74	1.07	1.39	1.23
	P	(+)	(+)	N.S.	+++	+++
Asymm	P	*	**	N.S.	N.S.	**
Between	Chi		6.40	1.79	0.19	28.66
Between	df		1	1	1	3
Between	P		-	N.S.	N.S.	***

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = ever (e), during marriage (m), current (c)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)



Table 51  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 Excluding Enstrom  
 Overall - adjusted

Overall

StN	Ref	NRR	SEX	ADJ	Numbers		Non-exposed		RR	95.00%CI
					Exposed Case	Cont	Case	Cont		
*1	HIRAYA	6	f	1	-	-	-	-	1.16	( 0.94- 1.43)
*2	GARLAN	4	f	1	-	-	-	-	2.25	( 0.32- 15.74)
3	LEE	2	m	2	-	-	-	-	1.24	( 0.59- 2.59)
3	LEE	4	f	2	-	-	-	-	0.93	( 0.54- 1.61)
Subtotal	LEE								1.03	( 0.66- 1.60)
4	MARTIN	1	f	6	-	-	-	-	2.60	( 1.20- 5.70)
*5	SVENDS	2	m	6	-	-	-	-	1.61	( 0.96- 2.71)
*6	BUTLER	4	f	1	-	-	-	-	1.40	( 0.51- 3.84)
*8	HOLE	3	m	5	-	-	-	-	1.73	( 1.01- 2.96)
*8	HOLE	2	f	5	-	-	-	-	1.65	( 0.79- 3.46)
Subtotal	HOLE								1.70	( 1.10- 2.63)
9	JACKSO	4	m	2	-	-	-	-	1.06	( 0.39- 2.91)
9	JACKSO	2	f	2	-	-	-	-	3.74	( 1.15- 12.19)
Subtotal	JACKSO								1.80	( 0.84- 3.87)
*10	SANDLE	2	m	4	-	-	-	-	1.31	( 1.05- 1.64)
*10	SANDLE	4	f	4	-	-	-	-	1.19	( 1.04- 1.36)
Subtotal	SANDLE								1.22	( 1.09- 1.37)
*11	HUMBLE	1	f	4	-	-	-	-	1.59	( 0.99- 2.57)
12	DOBSON	4	m	2	-	-	-	-	0.97	( 0.50- 1.86)
12	DOBSON	2	f	2	-	-	-	-	2.46	( 1.47- 4.13)
Subtotal	DOBSON								1.72	( 1.15- 2.59)
13	LAVECC	6	m	8	-	-	-	-	1.09	( 0.39- 3.01)
13	LAVECC	4	f	8	-	-	-	-	1.36	( 0.46- 4.05)
Subtotal	LAVECC								1.21	( 0.57- 2.55)
14	LAYARD	2	m	2	-	-	-	-	0.97	( 0.73- 1.28)
14	LAYARD	10	f	2	-	-	-	-	0.99	( 0.84- 1.16)
Subtotal	LAYARD								0.98	( 0.86- 1.13)
*15	LEVOIS	2	m	2	-	-	-	-	0.98	( 0.91- 1.06)
*15	LEVOIS	7	f	2	-	-	-	-	1.04	( 0.99- 1.09)
Subtotal	LEVOIS								1.02	( 0.98- 1.07)
17	MUSCAT	1	m	0	20	25	48	83	1.38	( 0.70- 2.75)
17	MUSCAT	2	f	0	28	27	18	23	1.33	( 0.59- 2.99)
Subtotal	MUSCAT								1.36	( 0.80- 2.30)
18	TUNSTA	2	c	4	-	-	-	-	1.34	( 1.07- 1.67)
*19	STEENL	1	m	12	-	-	-	-	1.22	( 1.07- 1.40)
*19	STEENL	2	f	13	-	-	-	-	1.10	( 0.96- 1.27)
Subtotal	STEENL								1.16	( 1.05- 1.28)
20	JANGHO	1	f	0	63	100	137	300	1.38	( 0.95- 2.01)
*21	KAWACH	11	f	15	-	-	-	-	1.53	( 0.81- 2.90)
22	CIRUZZ	7	m	9	-	-	-	-	1.18	( 0.55- 2.52)
22	CIRUZZ	8	f	9	-	-	-	-	1.73	( 0.89- 3.36)
Subtotal	CIRUZZ								1.47	( 0.89- 2.42)
23	MCELDU	4	m	4	-	-	-	-	0.82	( 0.55- 1.22)
23	MCELDU	2	f	4	-	-	-	-	2.15	( 1.18- 3.92)
Subtotal	MCELDU								1.10	( 0.79- 1.53)
25	HE	2	f	6	-	-	-	-	1.60	( 0.94- 2.90)
26	IRIBAR	4	m	11	-	-	-	-	1.13	( 1.00- 1.27)
26	IRIBAR	19	f	11	-	-	-	-	1.20	( 1.09- 1.30)
Subtotal	IRIBAR								1.17	( 1.09- 1.26)
27	ROSENL	4	m	8	-	-	-	-	0.98	( 0.57- 1.69)
27	ROSENL	16	f	8	-	-	-	-	2.59	( 1.27- 5.29)
Subtotal	ROSENL								1.40	( 0.91- 2.16)
28	PITSAV	9	c	6	-	-	-	-	1.33	( 0.89- 1.99)
29	CHEN	10	c	20	-	-	-	-	1.20	( 0.70- 2.20)
Partial Totals					111	152	203	406		
*prospective study										

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 Within each study, results are included (in the following order of preference) for:  
 1) EXP Exposure = spouse (s), household (h), total (t)  
 2) TIM Time of exposure = current (c), ever (e), during marriage (m)  
 3) TYP Disease type = both (b), fatal (f), non-fatal (n)  
 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 51  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 Excluding Enstrom  
 Overall - adjusted

Overall

StN	Ref	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
*1	HIRAYA	6	f	1	0.15	87.29	0.24	0.1655
*2	GARLAN	4	f	1	0.81	1.01	0.52	0.4145
3	LEE	2	m	2	0.22	7.02	0.10	0.5687
3	LEE	4	f	2	-0.07	12.88	0.37	0.7946
Subtotal	LEE				-0.05	19.90	0.47	
4	MARTIN	1	f	6	0.96	6.33	4.67	0.0162
*5	SVENDS	2	m	6	0.48	14.27	2.06	0.0720
*6	BUTLER	4	f	1	0.34	3.77	0.22	0.5135
*8	HOLE	3	m	5	0.55	13.29	2.71	0.0457
*8	HOLE	2	f	5	0.50	7.04	1.15	0.1838
Subtotal	HOLE				0.86	20.33	3.87	
9	JACKSO	4	m	2	0.06	3.80	0.01	0.9095
9	JACKSO	2	f	2	1.32	2.76	4.12	0.0285
Subtotal	JACKSO				1.18	6.56	4.13	
*10	SANDLE	2	m	4	0.27	77.28	2.34	0.0176
*10	SANDLE	4	f	4	0.17	213.52	1.29	0.0110
Subtotal	SANDLE				0.25	290.80	3.63	
*11	HUMBLE	1	f	4	0.46	16.88	2.28	0.0567
12	DOBSON	4	m	2	-0.03	8.90	0.14	0.9276
12	DOBSON	2	f	2	0.90	14.40	9.31	0.0006
Subtotal	DOBSON				0.68	23.30	9.45	
13	LAVECC	6	m	8	0.09	3.68	0.00	0.8687
13	LAVECC	4	f	8	0.31	3.25	0.14	0.5795
Subtotal	LAVECC				0.20	6.93	0.15	
14	LAYARD	2	m	2	-0.03	48.72	0.78	0.8316
14	LAYARD	10	f	2	-0.01	147.49	1.67	0.9029
Subtotal	LAYARD				-0.23	196.21	2.45	
*15	LEVOIS	2	m	2	-0.02	660.03	8.94	0.6037
*15	LEVOIS	7	f	2	0.04	1659.41	5.39	0.1101
Subtotal	LEVOIS				-0.17	2319.43	14.33	
17	MUSCAT	1	m	0	0.32	8.14	0.42	0.3546
17	MUSCAT	2	f	0	0.28	5.82	0.20	0.4970
Subtotal	MUSCAT				0.41	13.96	0.62	
18	TUNSTA	2	c	4	0.29	77.54	2.99	0.0100
*19	STEENL	1	m	12	0.20	212.64	2.24	0.0037
*19	STEENL	2	f	13	0.10	196.22	0.00	0.1818
Subtotal	STEENL				0.10	408.86	2.24	
20	JANGHO	1	f	0	0.32	27.39	1.39	0.0922
*21	KAWACH	11	f	15	0.43	9.45	1.02	0.1912
22	CIRUZZ	7	m	9	0.17	6.63	0.03	0.6699
22	CIRUZZ	8	f	9	0.55	8.71	1.78	0.1058
Subtotal	CIRUZZ				0.52	15.34	1.81	
23	MCELDU	4	m	4	-0.20	24.21	2.10	0.3288
23	MCELDU	2	f	4	0.77	10.66	4.77	0.0124
Subtotal	MCELDU				0.37	34.87	6.88	
25	HE	2	f	6	0.47	12.11	1.69	0.1020
26	IRIBAR	4	m	11	0.12	268.97	0.18	0.0450
26	IRIBAR	19	f	11	0.18	495.01	3.67	0.0000
Subtotal	IRIBAR				0.11	763.97	3.85	
27	ROSENL	4	m	8	-0.02	13.01	0.18	0.9419
27	ROSENL	16	f	8	0.95	7.55	5.52	0.0089
Subtotal	ROSENL				0.74	20.56	5.70	
28	PITSAV	9	c	6	0.29	23.73	0.85	0.1648
29	CHEN	10	c	20	0.18	11.72	0.09	0.5326

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 51  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 Excluding Enstrom  
 Overall - adjusted

Relative risks

	N	40
	NS	26
	Wt	4432.52
Het	Chi	77.59
Het	df	39
Het	P	***
Fixed	RR	1.10
	RRl	1.07
	RRu	1.13
	P	+++
Random	RR	1.19
	RRl	1.12
	RRu	1.27
	P	+++
Asymm	P	***

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 52  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 Excluding Enstrom  
 Overall - unadjusted

Overall

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
*1	HIRAYA	3	f	0	376	69645	118	21895	1.00	( 0.82- 1.23)
*2	GARLAN	2	f	0	2	97	2	203	2.09	( 0.30- 14.64)
3	LEE	1	m	0	15	40	26	93	1.34	( 0.64- 2.80)
3	LEE	3	f	0	55	229	22	89	0.97	( 0.56- 1.69)
Subtotal LEE									1.09	( 0.70- 1.70)
4	MARTIN	1	f	6	-	-	-	-	2.60	( 1.20- 5.70)
*5	SVENDS	1	m	0	21	286	48	959	1.47	( 0.89- 2.41)
*6	BUTLER	3	f	0	4	2487	60	43053	1.15	( 0.42- 3.17)
*8	HOLE	3	m	5	-	-	-	-	1.73	( 1.01- 2.96)
*8	HOLE	2	f	5	-	-	-	-	1.65	( 0.79- 3.46)
Subtotal HOLE									1.70	( 1.10- 2.63)
9	JACKSO	3	m	0	-	-	-	-	1.10	( 0.40- 3.00)
9	JACKSO	1	f	0	-	-	-	-	4.00	( 1.35- 13.10)
Subtotal JACKSO									1.94	( 0.91- 4.13)
*10	SANDLE	1	m	0	122	1248	248	2914	1.15	( 0.93- 1.41)
*10	SANDLE	3	f	0	551	9551	437	5322	0.70	( 0.62- 0.79)
Subtotal SANDLE									0.80	( 0.72- 0.88)
*11	HUMBLE	1	f	4	-	-	-	-	1.59	( 0.99- 2.57)
12	DOBSON	3	m	0	22	34	161	259	1.04	( 0.59- 1.84)
12	DOBSON	1	f	0	43	99	117	433	1.61	( 1.06- 2.43)
Subtotal DOBSON									1.39	( 0.99- 1.93)
13	LAVECC	5	m	0	7	17	55	140	1.05	( 0.41- 2.67)
13	LAVECC	3	f	0	17	20	11	17	1.31	( 0.48- 3.56)
Subtotal LAVECC									1.16	( 0.59- 2.30)
14	LAYARD	1	m	0	97	215	378	783	0.93	( 0.71- 1.22)
14	LAYARD	9	f	0	455	961	459	969	1.00	( 0.85- 1.17)
Subtotal LAYARD									0.98	( 0.86- 1.13)
*15	LEVOIS	2	m	2	-	-	-	-	0.98	( 0.91- 1.06)
*15	LEVOIS	7	f	2	-	-	-	-	1.04	( 0.99- 1.09)
Subtotal LEVOIS									1.02	( 0.98- 1.07)
17	MUSCAT	1	m	0	20	25	48	83	1.38	( 0.70- 2.75)
17	MUSCAT	2	f	0	28	27	18	23	1.33	( 0.59- 2.99)
Subtotal MUSCAT									1.36	( 0.80- 2.30)
18	TUNSTA	1	c	0	329	1216	99	483	1.32	( 1.03- 1.69)
*19	STEENL	1	m	12	-	-	-	-	1.22	( 1.07- 1.40)
*19	STEENL	2	f	13	-	-	-	-	1.10	( 0.96- 1.27)
Subtotal STEENL									1.16	( 1.05- 1.28)
20	JANGHO	1	f	0	63	100	137	300	1.38	( 0.95- 2.01)
*21	KAWACH	11	f	15	-	-	-	-	1.53	( 0.81- 2.90)
22	CIRUZZ	5	m	0	15	22	141	206	1.00	( 0.50- 1.99)
22	CIRUZZ	6	f	0	29	25	151	193	1.48	( 0.83- 2.64)
Subtotal CIRUZZ									1.26	( 0.81- 1.96)
23	MCELDU	3	m	0	53	172	145	373	0.79	( 0.55- 1.14)
23	MCELDU	1	f	0	31	147	54	479	1.87	( 1.16- 3.02)
Subtotal MCELDU									1.08	( 0.81- 1.45)
25	HE	1	f	0	76	95	39	113	2.32	( 1.44- 3.72)
26	IRIBAR	4	m	11	-	-	-	-	1.13	( 1.00- 1.27)
26	IRIBAR	19	f	11	-	-	-	-	1.20	( 1.09- 1.30)
Subtotal IRIBAR									1.17	( 1.09- 1.26)
27	ROSENL	3	m	0	27	51	141	285	1.07	( 0.64- 1.78)
27	ROSENL	15	f	0	21	24	59	144	2.14	( 1.10- 4.13)
Subtotal ROSENL									1.38	( 0.93- 2.07)
28	PITSAV	9	c	6	-	-	-	-	1.33	( 0.89- 1.99)
29	CHEN	10	c	20	-	-	-	-	1.20	( 0.70- 2.20)
Partial Totals					2479	86833	3174	79811		

\*prospective study

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 52  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 Excluding Enstrom  
 Overall - unadjusted

Overall

StN	Ref	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
*1	HIRAYA	3	f	0	0.00	90.30	0.32	0.9867
*2	GARLAN	2	f	0	0.74	1.02	0.47	0.4568
3	LEE	1	m	0	0.29	7.10	0.38	0.4340
3	LEE	3	f	0	-0.03	12.62	0.10	0.9185
Subtotal	LEE				0.14	19.72	0.49	
4	MARTIN	1	f	6	0.96	6.33	5.06	0.0162
*5	SVENDS	1	m	0	0.38	15.65	1.62	0.1296
*6	BUTLER	3	f	0	0.14	3.76	0.03	0.7812
*8	HOLE	3	m	5	0.55	13.29	3.15	0.0457
*8	HOLE	2	f	5	0.50	7.04	1.36	0.1838
Subtotal	HOLE				0.93	20.33	4.52	
9	JACKSO	3	m	0	0.10	3.78	0.00	0.8529
9	JACKSO	1	f	0	1.39	2.98	5.23	0.0168
Subtotal	JACKSO				1.36	6.76	5.23	
*10	SANDLE	1	m	0	0.14	90.22	0.54	0.1881
*10	SANDLE	3	f	0	-0.35	262.43	44.99	0.0000
Subtotal	SANDLE				-0.34	352.64	45.53	
*11	HUMBLE	1	f	4	0.46	16.88	2.74	0.0567
12	DOBSON	3	m	0	0.04	11.77	0.01	0.8905
12	DOBSON	1	f	0	0.47	22.62	3.87	0.0240
Subtotal	DOBSON				0.39	34.39	3.87	
13	LAVECC	5	m	0	0.05	4.41	0.00	0.9214
13	LAVECC	3	f	0	0.27	3.87	0.17	0.5916
Subtotal	LAVECC				0.20	8.27	0.17	
14	LAYARD	1	m	0	-0.07	52.96	0.88	0.6223
14	LAYARD	9	f	0	-0.00	155.06	0.59	0.9954
Subtotal	LAYARD				-0.19	208.02	1.46	
*15	LEVOIS	2	m	2	-0.02	660.03	4.36	0.6037
*15	LEVOIS	7	f	2	0.04	1659.41	0.79	0.1101
Subtotal	LEVOIS				-0.10	2319.43	5.15	
17	MUSCAT	1	m	0	0.32	8.14	0.56	0.3546
17	MUSCAT	2	f	0	0.28	5.82	0.28	0.4970
Subtotal	MUSCAT				0.48	13.96	0.85	
18	TUNSTA	1	c	0	0.28	62.37	2.93	0.0283
*19	STEENL	1	m	12	0.20	212.64	4.04	0.0037
*19	STEENL	2	f	13	0.10	196.22	0.23	0.1818
Subtotal	STEENL				0.17	408.86	4.27	
20	JANGHO	1	f	0	0.32	27.39	1.86	0.0922
*21	KAWACH	11	f	15	0.43	9.45	1.25	0.1912
22	CIRUZZ	5	m	0	-0.00	8.06	0.03	0.9912
22	CIRUZZ	6	f	0	0.39	11.59	1.28	0.1800
Subtotal	CIRUZZ				0.27	19.65	1.32	
23	MCELDU	3	m	0	-0.23	29.19	2.51	0.2093
23	MCELDU	1	f	0	0.63	16.76	5.35	0.0104
Subtotal	MCELDU				0.27	45.95	7.87	
25	HE	1	f	0	0.84	17.19	10.45	0.0005
26	IRIBAR	4	m	11	0.12	268.97	1.01	0.0450
26	IRIBAR	19	f	11	0.18	495.01	7.28	0.0000
Subtotal	IRIBAR				0.18	763.97	8.29	
27	ROSENL	3	m	0	0.07	14.87	0.00	0.7939
27	ROSENL	15	f	0	0.76	8.84	4.30	0.0241
Subtotal	ROSENL				0.70	23.71	4.30	
28	PITSAV	9	c	6	0.29	23.73	1.19	0.1648
29	CHEN	10	c	20	0.18	11.72	0.17	0.5326

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 52  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 Excluding Enstrom  
 Overall - unadjusted

Relative risks

	N	40
	NS	26
	Wt	4531.45
Het	Chi	121.40
Het	df	39
Het	P	***
Fixed	RR	1.06
	RRl	1.03
	RRu	1.09
	P	+++
Random	RR	1.17
	RRl	1.08
	RRu	1.26
	P	+++
Asymm	P	**

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 53  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 Excluding Enstrom  
 By sex - adjusted

combined

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
18	TUNSTA	2	c	4	-	-	-	-	1.34	( 1.07- 1.67)
28	PITSAV	9	c	6	-	-	-	-	1.33	( 0.89- 1.99)
29	CHEN	10	c	20	-	-	-	-	1.20	( 0.70- 2.20)
Partial Totals					0	0	0	0		

\*prospective study

male

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
3	LEE	2	m	2	-	-	-	-	1.24	( 0.59- 2.59)
*5	SVENDS	2	m	6	-	-	-	-	1.61	( 0.96- 2.71)
*8	HOLE	3	m	5	-	-	-	-	1.73	( 1.01- 2.96)
9	JACKSO	4	m	2	-	-	-	-	1.06	( 0.39- 2.91)
*10	SANDLE	2	m	4	-	-	-	-	1.31	( 1.05- 1.64)
12	DOBSON	4	m	2	-	-	-	-	0.97	( 0.50- 1.86)
13	LAVECC	6	m	8	-	-	-	-	1.09	( 0.39- 3.01)
14	LAYARD	2	m	2	-	-	-	-	0.97	( 0.73- 1.28)
*15	LEVOIS	2	m	2	-	-	-	-	0.98	( 0.91- 1.06)
17	MUSCAT	1	m	0	20	25	48	83	1.38	( 0.70- 2.75)
*19	STEENL	1	m	12	-	-	-	-	1.22	( 1.07- 1.40)
22	CIRUZZ	7	m	9	-	-	-	-	1.18	( 0.55- 2.52)
23	MCELDU	4	m	4	-	-	-	-	0.82	( 0.55- 1.22)
26	IRIBAR	4	m	11	-	-	-	-	1.13	( 1.00- 1.27)
27	ROSENL	4	m	8	-	-	-	-	0.98	( 0.57- 1.69)
Partial Totals					20	25	48	83		

\*prospective study

female

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
*1	HIRAYA	6	f	1	-	-	-	-	1.16	( 0.94- 1.43)
*2	GARLAN	4	f	1	-	-	-	-	2.25	( 0.32- 15.74)
3	LEE	4	f	2	-	-	-	-	0.93	( 0.54- 1.61)
4	MARTIN	1	f	6	-	-	-	-	2.60	( 1.20- 5.70)
*6	BUTLER	4	f	1	-	-	-	-	1.40	( 0.51- 3.84)
*8	HOLE	2	f	5	-	-	-	-	1.65	( 0.79- 3.46)
9	JACKSO	2	f	2	-	-	-	-	3.74	( 1.15- 12.19)
*10	SANDLE	4	f	4	-	-	-	-	1.19	( 1.04- 1.36)
*11	HUMBLE	1	f	4	-	-	-	-	1.59	( 0.99- 2.57)
12	DOBSON	2	f	2	-	-	-	-	2.46	( 1.47- 4.13)
13	LAVECC	4	f	8	-	-	-	-	1.36	( 0.46- 4.05)
14	LAYARD	10	f	2	-	-	-	-	0.99	( 0.84- 1.16)
*15	LEVOIS	7	f	2	-	-	-	-	1.04	( 0.99- 1.09)
17	MUSCAT	2	f	0	28	27	18	23	1.33	( 0.59- 2.99)
*19	STEENL	2	f	13	-	-	-	-	1.10	( 0.96- 1.27)
20	JANGHO	1	f	0	63	100	137	300	1.38	( 0.95- 2.01)
*21	KAWACH	11	f	15	-	-	-	-	1.53	( 0.81- 2.90)
22	CIRUZZ	8	f	9	-	-	-	-	1.73	( 0.89- 3.36)
23	MCELDU	2	f	4	-	-	-	-	2.15	( 1.18- 3.92)
25	HE	2	f	6	-	-	-	-	1.60	( 0.94- 2.90)
26	IRIBAR	19	f	11	-	-	-	-	1.20	( 1.09- 1.30)
27	ROSENL	16	f	8	-	-	-	-	2.59	( 1.27- 5.29)
Partial Totals					91	127	155	323		

\*prospective study

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 53  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 Excluding Enstrom  
 By sex - adjusted

	combined	male	female	Total
Relative risks				
N	3	15	22	40
NS	3	15	22	40
Wt	112.99	1370.60	2948.93	4432.52
Het Chi	0.12	21.29	51.34	77.59
Het df	2	14	21	39
Het P	N.S.	(*)	***	***
Fixed RR	1.32	1.07	1.11	1.10
RRl	1.10	1.02	1.07	1.07
RRu	1.59	1.13	1.15	1.13
P	++	++	+++	+++
Random RR	1.32	1.12	1.26	1.19
RRl	1.10	1.02	1.14	1.12
RRu	1.59	1.22	1.38	1.27
P	++	+	+++	+++
Asymm P	N.S.	N.S.	***	***
Between Chi		4.59	3.46	4.83
Between df		1	1	2
Between P		-	(-)	(*)

-----  
 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)



Table 54  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 Excluding Enstrom  
 By sex - unadjusted

combined

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
18	TUNSTA	1	c	0	329	1216	99	483	1.32	( 1.03- 1.69)
28	PITSAV	9	c	6	-	-	-	-	1.33	( 0.89- 1.99)
29	CHEN	10	c	20	-	-	-	-	1.20	( 0.70- 2.20)
Partial Totals					329	1216	99	483		

\*prospective study

male

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
3	LEE	1	m	0	15	40	26	93	1.34	( 0.64- 2.80)
*5	SVENDS	1	m	0	21	286	48	959	1.47	( 0.89- 2.41)
*8	HOLE	3	m	5	-	-	-	-	1.73	( 1.01- 2.96)
9	JACKSO	3	m	0	-	-	-	-	1.10	( 0.40- 3.00)
*10	SANDLE	1	m	0	122	1248	248	2914	1.15	( 0.93- 1.41)
12	DOBSON	3	m	0	22	34	161	259	1.04	( 0.59- 1.84)
13	LAVECC	5	m	0	7	17	55	140	1.05	( 0.41- 2.67)
14	LAYARD	1	m	0	97	215	378	783	0.93	( 0.71- 1.22)
*15	LEVOIS	2	m	2	-	-	-	-	0.98	( 0.91- 1.06)
17	MUSCAT	1	m	0	20	25	48	83	1.38	( 0.70- 2.75)
*19	STEENL	1	m	12	-	-	-	-	1.22	( 1.07- 1.40)
22	CIRUZZ	5	m	0	15	22	141	206	1.00	( 0.50- 1.99)
23	MCELDU	3	m	0	53	172	145	373	0.79	( 0.55- 1.14)
26	IRIBAR	4	m	11	-	-	-	-	1.13	( 1.00- 1.27)
27	ROSENL	3	m	0	27	51	141	285	1.07	( 0.64- 1.78)
Partial Totals					399	2110	1391	6095		

\*prospective study

female

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
*1	HIRAYA	3	f	0	376	69645	118	21895	1.00	( 0.82- 1.23)
*2	GARLAN	2	f	0	2	97	2	203	2.09	( 0.30- 14.64)
3	LEE	3	f	0	55	229	22	89	0.97	( 0.56- 1.69)
4	MARTIN	1	f	6	-	-	-	-	2.60	( 1.20- 5.70)
*6	BUTLER	3	f	0	4	2487	60	43053	1.15	( 0.42- 3.17)
*8	HOLE	2	f	5	-	-	-	-	1.65	( 0.79- 3.46)
9	JACKSO	1	f	0	-	-	-	-	4.00	( 1.35- 13.10)
*10	SANDLE	3	f	0	551	9551	437	5322	0.70	( 0.62- 0.79)
*11	HUMBLE	1	f	4	-	-	-	-	1.59	( 0.99- 2.57)
12	DOBSON	1	f	0	43	99	117	433	1.61	( 1.06- 2.43)
13	LAVECC	3	f	0	17	20	11	17	1.31	( 0.48- 3.56)
14	LAYARD	9	f	0	455	961	459	969	1.00	( 0.85- 1.17)
*15	LEVOIS	7	f	2	-	-	-	-	1.04	( 0.99- 1.09)
17	MUSCAT	2	f	0	28	27	18	23	1.33	( 0.59- 2.99)
*19	STEENL	2	f	13	-	-	-	-	1.10	( 0.96- 1.27)
20	JANGHO	1	f	0	63	100	137	300	1.38	( 0.95- 2.01)
*21	KAWACH	11	f	15	-	-	-	-	1.53	( 0.81- 2.90)
22	CIRUZZ	6	f	0	29	25	151	193	1.48	( 0.83- 2.64)
23	MCELDU	1	f	0	31	147	54	479	1.87	( 1.16- 3.02)
25	HE	1	f	0	76	95	39	113	2.32	( 1.44- 3.72)
26	IRIBAR	19	f	11	-	-	-	-	1.20	( 1.09- 1.30)
27	ROSENL	15	f	0	21	24	59	144	2.14	( 1.10- 4.13)
Partial Totals					1751	83507	1684	73233		

\*prospective study

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 54  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 Excluding Enstrom  
 By sex - unadjusted

	combined	male	female	Total
Relative risks				
N	3	15	22	40
NS	3	15	22	40
Wt	97.82	1401.07	3032.56	4531.45
Het Chi	0.10	19.10	97.89	121.40
Het df	2	14	21	39
Het P	N.S.	N.S.	***	***
Fixed RR	1.31	1.06	1.06	1.06
RRl	1.07	1.01	1.02	1.03
RRu	1.59	1.12	1.09	1.09
P	++	+	++	+++
Random RR	1.31	1.09	1.24	1.17
RRl	1.07	1.00	1.10	1.08
RRu	1.59	1.18	1.41	1.26
P	++	+	+++	+++
Asymm P	N.S.	N.S.	*	**
Between Chi		3.96	4.31	4.31
Between df		1	1	2
Between P		-	-	N.S.

-----  
 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 55  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 Excluding Enstrom  
 By continent - adjusted

NAmerica

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
*2	GARLAN	4	f	1	-	-	-	-	2.25	( 0.32- 15.74)
4	MARTIN	1	f	6	-	-	-	-	2.60	( 1.20- 5.70)
*5	SVENDS	2	m	6	-	-	-	-	1.61	( 0.96- 2.71)
*6	BUTLER	4	f	1	-	-	-	-	1.40	( 0.51- 3.84)
*10	SANDLE	2	m	4	-	-	-	-	1.31	( 1.05- 1.64)
*10	SANDLE	4	f	4	-	-	-	-	1.19	( 1.04- 1.36)
Subtotal	SANDLE								1.22	( 1.09- 1.37)
*11	HUMBLE	1	f	4	-	-	-	-	1.59	( 0.99- 2.57)
14	LAYARD	2	m	2	-	-	-	-	0.97	( 0.73- 1.28)
14	LAYARD	10	f	2	-	-	-	-	0.99	( 0.84- 1.16)
Subtotal	LAYARD								0.98	( 0.86- 1.13)
*15	LEVOIS	2	m	2	-	-	-	-	0.98	( 0.91- 1.06)
*15	LEVOIS	7	f	2	-	-	-	-	1.04	( 0.99- 1.09)
Subtotal	LEVOIS								1.02	( 0.98- 1.07)
17	MUSCAT	1	m	0	20	25	48	83	1.38	( 0.70- 2.75)
17	MUSCAT	2	f	0	28	27	18	23	1.33	( 0.59- 2.99)
Subtotal	MUSCAT								1.36	( 0.80- 2.30)
*19	STEENL	1	m	12	-	-	-	-	1.22	( 1.07- 1.40)
*19	STEENL	2	f	13	-	-	-	-	1.10	( 0.96- 1.27)
Subtotal	STEENL								1.16	( 1.05- 1.28)
*21	KAWACH	11	f	15	-	-	-	-	1.53	( 0.81- 2.90)
26	IRIBAR	4	m	11	-	-	-	-	1.13	( 1.00- 1.27)
26	IRIBAR	19	f	11	-	-	-	-	1.20	( 1.09- 1.30)
Subtotal	IRIBAR								1.17	( 1.09- 1.26)
Partial Totals					48	52	66	106		

\*prospective study

Europe

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
3	LEE	2	m	2	-	-	-	-	1.24	( 0.59- 2.59)
3	LEE	4	f	2	-	-	-	-	0.93	( 0.54- 1.61)
Subtotal	LEE								1.03	( 0.66- 1.60)
*8	HOLE	3	m	5	-	-	-	-	1.73	( 1.01- 2.96)
*8	HOLE	2	f	5	-	-	-	-	1.65	( 0.79- 3.46)
Subtotal	HOLE								1.70	( 1.10- 2.63)
13	LAVECC	6	m	8	-	-	-	-	1.09	( 0.39- 3.01)
13	LAVECC	4	f	8	-	-	-	-	1.36	( 0.46- 4.05)
Subtotal	LAVECC								1.21	( 0.57- 2.55)
18	TUNSTA	2	c	4	-	-	-	-	1.34	( 1.07- 1.67)
27	ROSENL	4	m	8	-	-	-	-	0.98	( 0.57- 1.69)
27	ROSENL	16	f	8	-	-	-	-	2.59	( 1.27- 5.29)
Subtotal	ROSENL								1.40	( 0.91- 2.16)
28	PITSAV	9	c	6	-	-	-	-	1.33	( 0.89- 1.99)
29	CHEN	10	c	20	-	-	-	-	1.20	( 0.70- 2.20)
Partial Totals					0	0	0	0		

\*prospective study

Asia

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
*1	HIRAYA	6	f	1	-	-	-	-	1.16	( 0.94- 1.43)
20	JANGHO	1	f	0	63	100	137	300	1.38	( 0.95- 2.01)
25	HE	2	f	6	-	-	-	-	1.60	( 0.94- 2.90)
Partial Totals					63	100	137	300		

\*prospective study

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 55

ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 Excluding Enstrom  
 By continent - adjusted

## Other

StN	Ref	NRR	SEX	ADJ	Numbers		Non-exposed		RR	95.00%CI
					Exposed Case	Cont	Case	Cont		
9	JACKSO	4	m	2	-	-	-	-	1.06	( 0.39- 2.91)
9	JACKSO	2	f	2	-	-	-	-	3.74	( 1.15- 12.19)
Subtotal JACKSO									1.80	( 0.84- 3.87)
12	DOBSON	4	m	2	-	-	-	-	0.97	( 0.50- 1.86)
12	DOBSON	2	f	2	-	-	-	-	2.46	( 1.47- 4.13)
Subtotal DOBSON									1.72	( 1.15- 2.59)
22	CIRUZZ	7	m	9	-	-	-	-	1.18	( 0.55- 2.52)
22	CIRUZZ	8	f	9	-	-	-	-	1.73	( 0.89- 3.36)
Subtotal CIRUZZ									1.47	( 0.89- 2.42)
23	MCELDU	4	m	4	-	-	-	-	0.82	( 0.55- 1.22)
23	MCELDU	2	f	4	-	-	-	-	2.15	( 1.18- 3.92)
Subtotal MCELDU									1.10	( 0.79- 1.53)
Partial Totals					0	0	0	0		
*prospective study										

Relative risks	NAmerica		Europe		Asia		Other		Total	
	N	NS								
	18	12	11	7	3	3	8	4	40	26
	Wt	4044.95	180.70		126.79		80.07		4432.52	
	Het Chi	36.78	7.77		1.49		18.19		77.59	
	Het df	17	10		2		7		39	
	Het P	**	N.S.		N.S.		*		***	
	Fixed RR	1.08	1.33		1.24		1.38		1.10	
	RRl	1.05	1.15		1.04		1.11		1.07	
	RRu	1.12	1.54		1.48		1.72		1.13	
	P	+++	+++		+		++		+++	
	Random RR	1.13	1.33		1.24		1.48		1.19	
	RRl	1.06	1.15		1.04		1.02		1.12	
	RRu	1.20	1.54		1.48		2.16		1.27	
	P	+++	+++		+		+		+++	
	Asymm P	**	N.S.		(*)		N.S.		***	
	Between Chi		7.19		2.31		4.61		13.37	
	Between df		1		1		1		3	
	Between P		++		N.S.		+		**	

-----  
 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 56  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 Excluding Enstrom  
 By continent - unadjusted

NAmerica

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
*2	GARLAN	2	f	0	2	97	2	203	2.09	( 0.30- 14.64)
4	MARTIN	1	f	6	-	-	-	-	2.60	( 1.20- 5.70)
*5	SVENDS	1	m	0	21	286	48	959	1.47	( 0.89- 2.41)
*6	BUTLER	3	f	0	4	2487	60	43053	1.15	( 0.42- 3.17)
*10	SANDLE	1	m	0	122	1248	248	2914	1.15	( 0.93- 1.41)
*10	SANDLE	3	f	0	551	9551	437	5322	0.70	( 0.62- 0.79)
Subtotal	SANDLE								0.80	( 0.72- 0.88)
*11	HUMBLE	1	f	4	-	-	-	-	1.59	( 0.99- 2.57)
14	LAYARD	1	m	0	97	215	378	783	0.93	( 0.71- 1.22)
14	LAYARD	9	f	0	455	961	459	969	1.00	( 0.85- 1.17)
Subtotal	LAYARD								0.98	( 0.86- 1.13)
*15	LEVOIS	2	m	2	-	-	-	-	0.98	( 0.91- 1.06)
*15	LEVOIS	7	f	2	-	-	-	-	1.04	( 0.99- 1.09)
Subtotal	LEVOIS								1.02	( 0.98- 1.07)
17	MUSCAT	1	m	0	20	25	48	83	1.38	( 0.70- 2.75)
17	MUSCAT	2	f	0	28	27	18	23	1.33	( 0.59- 2.99)
Subtotal	MUSCAT								1.36	( 0.80- 2.30)
*19	STEENL	1	m	12	-	-	-	-	1.22	( 1.07- 1.40)
*19	STEENL	2	f	13	-	-	-	-	1.10	( 0.96- 1.27)
Subtotal	STEENL								1.16	( 1.05- 1.28)
*21	KAWACH	11	f	15	-	-	-	-	1.53	( 0.81- 2.90)
26	IRIBAR	4	m	11	-	-	-	-	1.13	( 1.00- 1.27)
26	IRIBAR	19	f	11	-	-	-	-	1.20	( 1.09- 1.30)
Subtotal	IRIBAR								1.17	( 1.09- 1.26)
Partial Totals					1300	14897	1698	54309		
*prospective study										

Europe

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
3	LEE	1	m	0	15	40	26	93	1.34	( 0.64- 2.80)
3	LEE	3	f	0	55	229	22	89	0.97	( 0.56- 1.69)
Subtotal	LEE								1.09	( 0.70- 1.70)
*8	HOLE	3	m	5	-	-	-	-	1.73	( 1.01- 2.96)
*8	HOLE	2	f	5	-	-	-	-	1.65	( 0.79- 3.46)
Subtotal	HOLE								1.70	( 1.10- 2.63)
13	LAVECC	5	m	0	7	17	55	140	1.05	( 0.41- 2.67)
13	LAVECC	3	f	0	17	20	11	17	1.31	( 0.48- 3.56)
Subtotal	LAVECC								1.16	( 0.59- 2.30)
18	TUNSTA	1	c	0	329	1216	99	483	1.32	( 1.03- 1.69)
27	ROSENL	3	m	0	27	51	141	285	1.07	( 0.64- 1.78)
27	ROSENL	15	f	0	21	24	59	144	2.14	( 1.10- 4.13)
Subtotal	ROSENL								1.38	( 0.93- 2.07)
28	PITSAV	9	c	6	-	-	-	-	1.33	( 0.89- 1.99)
29	CHEN	10	c	20	-	-	-	-	1.20	( 0.70- 2.20)
Partial Totals					471	1597	413	1251		
*prospective study										

Asia

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
*1	HIRAYA	3	f	0	376	69645	118	21895	1.00	( 0.82- 1.23)
20	JANGHO	1	f	0	63	100	137	300	1.38	( 0.95- 2.01)
25	HE	1	f	0	76	95	39	113	2.32	( 1.44- 3.72)
Totals					515	69840	294	22308		
*prospective study										

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 56  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 Excluding Enstrom  
 By continent - unadjusted

Other

StN	Ref	NRR	SEX	ADJ	Numbers		Non-exposed		RR	95.00%CI
					Exposed Case	Cont	Case	Cont		
9	JACKSO	3	m	0	-	-	-	-	1.10	( 0.40- 3.00)
9	JACKSO	1	f	0	-	-	-	-	4.00	( 1.35- 13.10)
Subtotal JACKSO									1.94	( 0.91- 4.13)
12	DOBSON	3	m	0	22	34	161	259	1.04	( 0.59- 1.84)
12	DOBSON	1	f	0	43	99	117	433	1.61	( 1.06- 2.43)
Subtotal DOBSON									1.39	( 0.99- 1.93)
22	CIRUZZ	5	m	0	15	22	141	206	1.00	( 0.50- 1.99)
22	CIRUZZ	6	f	0	29	25	151	193	1.48	( 0.83- 2.64)
Subtotal CIRUZZ									1.26	( 0.81- 1.96)
23	MCELDU	3	m	0	53	172	145	373	0.79	( 0.55- 1.14)
23	MCELDU	1	f	0	31	147	54	479	1.87	( 1.16- 3.02)
Subtotal MCELDU									1.08	( 0.81- 1.45)
Partial Totals					193	499	769	1943		

\*prospective study

Relative risks	NAmerica		Europe		Asia		Other		Total	
	N	NS	N	NS	N	NS	N	NS	N	NS
	18	12	11	7	3	3	8	4	40	26
	Wt	4119.97	169.85		134.88		106.75		4531.45	
	Het Chi	75.53	5.55		10.92		15.45		121.40	
	Het df	17	10		2		7		39	
	Het P	***	N.S.		**		*		***	
	Fixed RR	1.05	1.32		1.19		1.25		1.06	
	RRl	1.01	1.14		1.00		1.04		1.03	
	RRu	1.08	1.54		1.41		1.51		1.09	
	P	++	+++		+		+		+++	
	Random RR	1.08	1.32		1.42		1.31		1.17	
	RRl	0.99	1.14		0.89		0.97		1.08	
	RRu	1.19	1.54		2.25		1.78		1.26	
	P	(+)	+++		N.S.		(+)		+++	
	Asymm P	N.S.	N.S.		N.S.		N.S.		**	
	Between Chi		9.16		2.19		3.38		13.96	
	Between df		1		1		1		3	
	Between P		++		N.S.		(+)		**	

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 57  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 Excluding Enstrom  
 By publication year (grouped) - adjusted

1984-88

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
*1	HIRAYA 6		f	1	-	-	-	-	1.16	( 0.94- 1.43)
*2	GARLAN 4		f	1	-	-	-	-	2.25	( 0.32- 15.74)
3	LEE 2		m	2	-	-	-	-	1.24	( 0.59- 2.59)
3	LEE 4		f	2	-	-	-	-	0.93	( 0.54- 1.61)
Subtotal	LEE								1.03	( 0.66- 1.60)
4	MARTIN 1		f	6	-	-	-	-	2.60	( 1.20- 5.70)
*5	SVENDS 2		m	6	-	-	-	-	1.61	( 0.96- 2.71)
*6	BUTLER 4		f	1	-	-	-	-	1.40	( 0.51- 3.84)
Partial Totals					0	0	0	0		
*prospective study										

1989-92

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
*8	HOLE 3		m	5	-	-	-	-	1.73	( 1.01- 2.96)
*8	HOLE 2		f	5	-	-	-	-	1.65	( 0.79- 3.46)
Subtotal	HOLE								1.70	( 1.10- 2.63)
9	JACKSO 4		m	2	-	-	-	-	1.06	( 0.39- 2.91)
9	JACKSO 2		f	2	-	-	-	-	3.74	( 1.15- 12.19)
Subtotal	JACKSO								1.80	( 0.84- 3.87)
*10	SANDLE 2		m	4	-	-	-	-	1.31	( 1.05- 1.64)
*10	SANDLE 4		f	4	-	-	-	-	1.19	( 1.04- 1.36)
Subtotal	SANDLE								1.22	( 1.09- 1.37)
*11	HUMBLE 1		f	4	-	-	-	-	1.59	( 0.99- 2.57)
12	DOBSON 4		m	2	-	-	-	-	0.97	( 0.50- 1.86)
12	DOBSON 2		f	2	-	-	-	-	2.46	( 1.47- 4.13)
Subtotal	DOBSON								1.72	( 1.15- 2.59)
13	LAVECC 6		m	8	-	-	-	-	1.09	( 0.39- 3.01)
13	LAVECC 4		f	8	-	-	-	-	1.36	( 0.46- 4.05)
Subtotal	LAVECC								1.21	( 0.57- 2.55)
Partial Totals					0	0	0	0		
*prospective study										

1993-96

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
14	LAYARD 2		m	2	-	-	-	-	0.97	( 0.73- 1.28)
14	LAYARD 10		f	2	-	-	-	-	0.99	( 0.84- 1.16)
Subtotal	LAYARD								0.98	( 0.86- 1.13)
*15	LEVOIS 2		m	2	-	-	-	-	0.98	( 0.91- 1.06)
*15	LEVOIS 7		f	2	-	-	-	-	1.04	( 0.99- 1.09)
Subtotal	LEVOIS								1.02	( 0.98- 1.07)
17	MUSCAT 1		m	0	20	25	48	83	1.38	( 0.70- 2.75)
17	MUSCAT 2		f	0	28	27	18	23	1.33	( 0.59- 2.99)
Subtotal	MUSCAT								1.36	( 0.80- 2.30)
18	TUNSTA 2		c	4	-	-	-	-	1.34	( 1.07- 1.67)
*19	STEENL 1		m	12	-	-	-	-	1.22	( 1.07- 1.40)
*19	STEENL 2		f	13	-	-	-	-	1.10	( 0.96- 1.27)
Subtotal	STEENL								1.16	( 1.05- 1.28)
Partial Totals					48	52	66	106		
*prospective study										

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 57  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 Excluding Enstrom  
 By publication year (grouped) - adjusted

1997-

StN	Ref	NRR	SEX	ADJ	Numbers		Non-exposed		RR	95.00%CI
					Exposed Case	Cont	Case	Cont		
20	JANGHO	1	f	0	63	100	137	300	1.38	( 0.95- 2.01)
*21	KAWACH	11	f	15	-	-	-	-	1.53	( 0.81- 2.90)
22	CIRUZZ	7	m	9	-	-	-	-	1.18	( 0.55- 2.52)
22	CIRUZZ	8	f	9	-	-	-	-	1.73	( 0.89- 3.36)
Subtotal CIRUZZ									1.47	( 0.89- 2.42)
23	MCELDU	4	m	4	-	-	-	-	0.82	( 0.55- 1.22)
23	MCELDU	2	f	4	-	-	-	-	2.15	( 1.18- 3.92)
Subtotal MCELDU									1.10	( 0.79- 1.53)
25	HE	2	f	6	-	-	-	-	1.60	( 0.94- 2.90)
26	IRIBAR	4	m	11	-	-	-	-	1.13	( 1.00- 1.27)
26	IRIBAR	19	f	11	-	-	-	-	1.20	( 1.09- 1.30)
Subtotal IRIBAR									1.17	( 1.09- 1.26)
27	ROSENL	4	m	8	-	-	-	-	0.98	( 0.57- 1.69)
27	ROSENL	16	f	8	-	-	-	-	2.59	( 1.27- 5.29)
Subtotal ROSENL									1.40	( 0.91- 2.16)
28	PITSAV	9	c	6	-	-	-	-	1.33	( 0.89- 1.99)
29	CHEN	10	c	20	-	-	-	-	1.20	( 0.70- 2.20)
Partial Totals					63	100	137	300		

\*prospective study

Relative risks	1984-88		1989-92		1993-96		1997-		Total	
	N	NS	7	6	11	6	9	5	13	9
	Wt	132.57	364.81	3016.01	919.13	4432.52				
	Het Chi	6.31	13.82	14.83	16.62	77.59				
	Het df	6	10	8	12	39				
	Het P	N.S.	N.S.	(*)	N.S.	***				
	Fixed RR	1.24	1.30	1.05	1.20	1.10				
	RRl	1.05	1.17	1.01	1.12	1.07				
	RRu	1.47	1.44	1.08	1.28	1.13				
	P	+	+++	+	+++	+++				
	Random RR	1.26	1.40	1.07	1.24	1.19				
	RRl	1.04	1.18	1.00	1.11	1.12				
	RRu	1.52	1.65	1.14	1.38	1.27				
	P	+	+++	+	+++	+++				
	Asymm P	N.S.	N.S.	N.S.	N.S.	***				
	Between Chi		0.19	3.64	0.13	26.01				
	Between df		1	1	1	3				
	Between P		N.S.	(-)	N.S.	***				

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 Within each study, results are included (in the following order of preference) for:

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- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)



Table 58  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 Excluding Enstrom  
 By publication year (grouped) - unadjusted

1984-88

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
*1	HIRAYA	3	f	0	376	69645	118	21895	1.00	( 0.82- 1.23)
*2	GARLAN	2	f	0	2	97	2	203	2.09	( 0.30- 14.64)
3	LEE	1	m	0	15	40	26	93	1.34	( 0.64- 2.80)
3	LEE	3	f	0	55	229	22	89	0.97	( 0.56- 1.69)
Subtotal	LEE								1.09	( 0.70- 1.70)
4	MARTIN	1	f	6	-	-	-	-	2.60	( 1.20- 5.70)
*5	SVENDS	1	m	0	21	286	48	959	1.47	( 0.89- 2.41)
*6	BUTLER	3	f	0	4	2487	60	43053	1.15	( 0.42- 3.17)
Partial Totals					473	72784	276	66292		
*prospective study										

1989-92

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
*8	HOLE	3	m	5	-	-	-	-	1.73	( 1.01- 2.96)
*8	HOLE	2	f	5	-	-	-	-	1.65	( 0.79- 3.46)
Subtotal	HOLE								1.70	( 1.10- 2.63)
9	JACKSO	3	m	0	-	-	-	-	1.10	( 0.40- 3.00)
9	JACKSO	1	f	0	-	-	-	-	4.00	( 1.35- 13.10)
Subtotal	JACKSO								1.94	( 0.91- 4.13)
*10	SANDLE	1	m	0	122	1248	248	2914	1.15	( 0.93- 1.41)
*10	SANDLE	3	f	0	551	9551	437	5322	0.70	( 0.62- 0.79)
Subtotal	SANDLE								0.80	( 0.72- 0.88)
*11	HUMBLE	1	f	4	-	-	-	-	1.59	( 0.99- 2.57)
12	DOBSON	3	m	0	22	34	161	259	1.04	( 0.59- 1.84)
12	DOBSON	1	f	0	43	99	117	433	1.61	( 1.06- 2.43)
Subtotal	DOBSON								1.39	( 0.99- 1.93)
13	LAVECC	5	m	0	7	17	55	140	1.05	( 0.41- 2.67)
13	LAVECC	3	f	0	17	20	11	17	1.31	( 0.48- 3.56)
Subtotal	LAVECC								1.16	( 0.59- 2.30)
Partial Totals					762	10969	1029	9085		
*prospective study										

1993-96

StN	Ref	NRR	SEX	ADJ	Numbers Exposed		Non-exposed		RR	95.00%CI
					Case	Cont	Case	Cont		
14	LAYARD	1	m	0	97	215	378	783	0.93	( 0.71- 1.22)
14	LAYARD	9	f	0	455	961	459	969	1.00	( 0.85- 1.17)
Subtotal	LAYARD								0.98	( 0.86- 1.13)
*15	LEVOIS	2	m	2	-	-	-	-	0.98	( 0.91- 1.06)
*15	LEVOIS	7	f	2	-	-	-	-	1.04	( 0.99- 1.09)
Subtotal	LEVOIS								1.02	( 0.98- 1.07)
17	MUSCAT	1	m	0	20	25	48	83	1.38	( 0.70- 2.75)
17	MUSCAT	2	f	0	28	27	18	23	1.33	( 0.59- 2.99)
Subtotal	MUSCAT								1.36	( 0.80- 2.30)
18	TUNSTA	1	c	0	329	1216	99	483	1.32	( 1.03- 1.69)
*19	STEENL	1	m	12	-	-	-	-	1.22	( 1.07- 1.40)
*19	STEENL	2	f	13	-	-	-	-	1.10	( 0.96- 1.27)
Subtotal	STEENL								1.16	( 1.05- 1.28)
Partial Totals					929	2444	1002	2341		
*prospective study										

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- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

Table 58  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 16-FEB-04  
 Excluding Enstrom  
 By publication year (grouped) - unadjusted

1997-

StN	Ref	NRR	SEX	ADJ	Numbers		Non-exposed		RR	95.00%CI
					Exposed Case	Cont	Case	Cont		
20	JANGHO	1	f	0	63	100	137	300	1.38	( 0.95- 2.01)
*21	KAWACH	11	f	15	-	-	-	-	1.53	( 0.81- 2.90)
22	CIRUZZ	5	m	0	15	22	141	206	1.00	( 0.50- 1.99)
22	CIRUZZ	6	f	0	29	25	151	193	1.48	( 0.83- 2.64)
Subtotal CIRUZZ									1.26	( 0.81- 1.96)
23	MCELDU	3	m	0	53	172	145	373	0.79	( 0.55- 1.14)
23	MCELDU	1	f	0	31	147	54	479	1.87	( 1.16- 3.02)
Subtotal MCELDU									1.08	( 0.81- 1.45)
25	HE	1	f	0	76	95	39	113	2.32	( 1.44- 3.72)
26	IRIBAR	4	m	11	-	-	-	-	1.13	( 1.00- 1.27)
26	IRIBAR	19	f	11	-	-	-	-	1.20	( 1.09- 1.30)
Subtotal IRIBAR									1.17	( 1.09- 1.26)
27	ROSENL	3	m	0	27	51	141	285	1.07	( 0.64- 1.78)
27	ROSENL	15	f	0	21	24	59	144	2.14	( 1.10- 4.13)
Subtotal ROSENL									1.38	( 0.93- 2.07)
28	PITSAV	9	c	6	-	-	-	-	1.33	( 0.89- 1.99)
29	CHEN	10	c	20	-	-	-	-	1.20	( 0.70- 2.20)
Partial Totals					315	636	867	2093		

\*prospective study

Relative risks	1984-88		1989-92		1993-96		1997-		Total	
	N	7	11	9	13	40				
	NS	6	6	5	9	26				
	Wt	136.77	439.28	3012.65	942.75	4531.45				
	Het Chi	7.64	50.47	13.71	22.00	121.40				
	Het df	6	10	8	12	39				
	Het P	N.S.	***	(*)	*	***				
	Fixed RR	1.12	0.90	1.04	1.20	1.06				
	RRl	0.95	0.82	1.01	1.13	1.03				
	RRu	1.32	0.99	1.08	1.28	1.09				
	P	N.S.	-	+	+++	+++				
	Random RR	1.20	1.30	1.06	1.27	1.17				
	RRl	0.95	0.96	1.00	1.12	1.08				
	RRu	1.53	1.74	1.13	1.44	1.26				
	P	N.S.	(+)	(+)	+++	+++				
	Asymm P	N.S.	**	N.S.	N.S.	**				
	Between Chi		4.71	0.60	0.67	27.57				
	Between df		1	1	1	3				
	Between P		-	N.S.	N.S.	***				

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 Within each study, results are included (in the following order of preference) for:

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
- 4) UNX Unexposed to ETS (as defined by EXP) (2), never exposed to sp ETS (8), unexposed to hh/work ETS (a)

