

Detailed meta-analysis on ETS and Heart Disease  
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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. Similarly, in adjusted analyses, adjusted RRs are used if available, otherwise unadjusted RRs are used (see below).

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 total number of confounders considered in the study (grouped)		- adjusted
12.	By any study results available on dose-response or not		- 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, and estimates relating to CVD excluding Stroke are chosen in preference to those for CVD. 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 = Ws (Ys - $\bar{Y}$ ) 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 LEE2006F.pdf. The results are also summarized in the following documents: download LEE2006H.pdf (which includes references to the individual studies, and a description of the type of heart disease studied by each), LEE2006K.pdf and LEE2006I.pdf.

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Table 1  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 Overall - adjusted

Overall

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 3														
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 8														
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 9														
*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 10														
*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 12														
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 13														
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 14														
*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 15														
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 17														
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 19														
20	JANGHO	1	f	s	e	n	2	0	63	100	137	300	1.37 ( 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 22														
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 23														
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 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 27														
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33 ( 0.89- 1.99)	
*29	ENSTRO	16	m	s	e	f	2	8	-	-	-	-	0.93 ( 0.83- 1.04)	
*29	ENSTRO	32	f	s	e	f	2	8	-	-	-	-	0.99 ( 0.92- 1.08)	
Subtotal 29														
30	CHEN	10	c	h	c	n	2	10	-	-	-	-	1.20 ( 0.70- 2.20)	
31	NISHTA	3	c	s	e	n	1	1	-	-	-	-	2.38 ( 1.04- 5.42)	
33	MCGHEE	1	m	h	p	f	2	2	-	-	-	-	1.30 ( 0.88- 1.93)	
33	MCGHEE	2	f	h	p	f	2	2	-	-	-	-	1.39 ( 0.95- 2.04)	
Subtotal 33														
*34	QURESH	1	f	s	m	b	2	7	-	-	-	-	1.05 ( 0.81- 1.38)	
35	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37 ( 1.27- 1.48)	
*36	WEN	17	f	s	m	f	2	9	-	-	-	-	0.99 ( 0.72- 1.37)	
Partial Totals									152	212	269	563		

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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 1  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 Overall - adjusted

Overall

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Exposed Case	Non-exposed Cont	Case	Cont	RR	95.00%CI
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	0.28	0.1655		
*2	GARLAN 5	f	s	e	f	2	5	0.99	1.81	1.47	0.1811		
3	LEE 2	m	s	m	n	2	2	0.22	7.02	0.11	0.5687		
3	LEE 4	f	s	m	n	2	2	-0.07	12.88	0.35	0.7946		
	Subtotal 3							-0.04	19.90	0.45			
4	MARTIN 1	f	s	e	n	2	6	0.96	6.33	4.72	0.0162		
*5	SVENDS 2	m	s	c	b	2	6	0.48	14.27	2.11	0.0720		
*6	BUTLER 2	f	s	e	f	2	1	0.07	15.67	0.01	0.7889		
*8	HOLE 3	m	h	e	f	2	5	0.55	13.29	2.77	0.0457		
*8	HOLE 2	f	h	e	f	2	5	0.50	7.04	1.18	0.1838		
	Subtotal 8							0.87	20.33	3.95			
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	4.15	0.0285		
	Subtotal 9							1.19	6.56	4.16			
*10	SANDLE 2	m	h	c	f	2	4	0.27	77.28	2.45	0.0176		
*10	SANDLE 4	f	h	c	f	2	4	0.17	213.52	1.44	0.0110		
	Subtotal 10							0.26	290.80	3.89			
*11	HUMBLE 1	f	s	c	f	8	4	0.46	16.88	2.34	0.0567		
12	DOBSON 4	m	h	c	b	2	2	-0.03	8.90	0.13	0.9276		
12	DOBSON 2	f	h	c	b	2	2	0.90	14.40	9.41	0.0006		
	Subtotal 12							0.69	23.30	9.54			
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	0.10	0.6013		
	Subtotal 13							0.14	10.27	0.10			
14	LAYARD 2	m	s	e	f	2	2	-0.03	48.72	0.73	0.8316		
14	LAYARD 10	f	s	e	f	2	2	-0.01	147.49	1.53	0.9029		
	Subtotal 14							-0.22	196.21	2.26			
*15	LEVOIS 1	m	s	e	f	2	2	-0.03	646.64	9.67	0.4386		
*15	LEVOIS 6	f	s	e	f	2	2	0.03	1627.60	6.31	0.2331		
	Subtotal 15							-0.18	2274.24	15.98			
17	MUSCAT 1	m	s	e	n	2	0	0.32	8.14	0.44	0.3546		
17	MUSCAT 2	f	s	e	n	2	0	0.28	5.82	0.21	0.4970		
	Subtotal 17							0.42	13.96	0.65			
18	TUNSTA 2	c	t	c	n	2	4	0.29	77.54	3.13	0.0100		
*19	STEENL 3	m	s	e	f	2	12	0.09	345.72	0.01	0.1091		
*19	STEENL 4	f	s	e	f	2	13	0.04	314.64	0.87	0.4866		
	Subtotal 19							-0.06	660.35	0.88			
20	JANGHO 1	f	s	e	n	2	0	0.32	27.39	1.45	0.0922		
*21	KAWACH 11	f	h	c	b	2	15	0.43	9.45	1.05	0.1912		
22	CIRUZZ 7	m	s	c	n	2	9	0.17	6.63	0.04	0.6699		
22	CIRUZZ 8	f	s	c	n	2	9	0.55	8.71	1.81	0.1058		
	Subtotal 22							0.53	15.34	1.85			
23	MCELDU 4	m	t	c	b	2	4	-0.20	24.21	2.04	0.3288		
23	MCELDU 2	f	t	c	b	2	4	0.77	10.66	4.84	0.0124		
	Subtotal 23							0.38	34.87	6.88			
25	HE 2	f	s	e	n	2	6	0.47	12.11	1.73	0.1020		
26	IRIBAR 4	m	h	c	n	2	11	0.12	268.97	0.25	0.0450		
26	IRIBAR 19	f	h	c	n	2	11	0.18	495.01	4.05	0.0000		
	Subtotal 26							0.12	763.97	4.30			
27	ROSENL 2	m	s	e	n	2	8	-0.04	23.37	0.41	0.8436		
27	ROSENL 14	f	s	e	n	2	8	0.43	17.27	1.92	0.0772		
	Subtotal 27							0.20	40.64	2.33			
28	PITSAV 9	c	h	c	n	a	6	0.29	23.73	0.89	0.1648		
*29	ENSTRO 16	m	s	e	f	2	8	-0.07	302.04	8.16	0.2072		
*29	ENSTRO 32	f	s	e	f	2	8	-0.01	597.66	6.20	0.8059		
	Subtotal 29							-0.27	899.71	14.37			
30	CHEN 10	c	h	c	n	2	10	0.18	11.72	0.10	0.5326		
31	NISHTA 3	c	s	e	n	1	1	0.87	5.64	3.39	0.0395		
33	MCGHEE 1	m	h	p	f	2	2	0.26	24.91	0.72	0.1904		
33	MCGHEE 2	f	h	p	f	2	2	0.33	26.31	1.48	0.0912		
	Subtotal 33							0.41	51.22	2.21			

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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 1  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 Overall - adjusted

Overall

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Ys	Ws	Qs	Ps
*34	QURESH	1	f	s	m	b	2	7	0.05	54.13	0.10	0.7196
35	TEO	1	c	t	c	n	2	6	0.31	656.19	32.63	0.0000
*36	WEN	17	f	s	m	f	2	9	-0.01	37.13	0.39	0.9512

Relative risks

	N	48
	NS	32
	Wt	6378.95
Het	Chi	129.57
Het	df	47
Het	P	***
Fixed	RR	1.10
	RRl	1.07
	RRu	1.12
	P	+++
Random	RR	1.17
	RRl	1.10
	RRu	1.24
	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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 2  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 Overall - unadjusted

Overall

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 3													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 8													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 9													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 10													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 12													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 13													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 14													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 15													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 17													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 19													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 22													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 23													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 26													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 27													1.10	( 0.83- 1.47)
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
*29	ENSTRO	8	m	s	e	f	2	1	-	-	-	-	0.94	( 0.85- 1.05)
*29	ENSTRO	24	f	s	e	f	2	1	-	-	-	-	1.01	( 0.94- 1.08)
Subtotal 29													0.99	( 0.93- 1.05)
30	CHEN	10	c	h	c	n	2	10	-	-	-	-	1.20	( 0.70- 2.20)
31	NISHTA	3	c	s	e	n	1	1	-	-	-	-	2.38	( 1.04- 5.42)
33	MCGHEE	5	m	h	p	f	2	0	74	71	285	347	1.27	( 0.88- 1.82)
33	MCGHEE	6	f	h	p	f	2	0	113	150	112	195	1.31	( 0.94- 1.84)
Subtotal 33													1.29	( 1.01- 1.65)
*34	QURESH	2	f	s	m	b	2	0	140	1823	79	1209	1.18	( 0.90- 1.53)
35	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37	( 1.27- 1.48)
*36	WEN	17	f	s	m	f	2	9	-	-	-	-	0.99	( 0.72- 1.37)
Partial Totals									2924	97544	3650	81561		

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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 2  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 Overall - unadjusted

Overall

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Exposed Case	Cont	Non-exposed Case	Cont	RR	95.00%CI
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	0.40	0.9867		
*2	GARLAN 1	f	s	e	f	2	0	1.25	1.81	2.55	0.0912		
3	LEE 1	m	s	m	n	2	0	0.29	7.10	0.36	0.4340		
3	LEE 3	f	s	m	n	2	0	-0.03	12.62	0.12	0.9185		
	Subtotal 3							0.13	19.72	0.48			
4	MARTIN 1	f	s	e	n	2	6	0.96	6.33	4.98	0.0162		
*5	SVENDS 1	m	s	c	b	2	0	0.38	15.65	1.55	0.1296		
*6	BUTLER 1	f	s	e	f	2	0	0.30	15.03	0.84	0.2372		
*8	HOLE 3	m	h	e	f	2	5	0.55	13.29	3.06	0.0457		
*8	HOLE 2	f	h	e	f	2	5	0.50	7.04	1.32	0.1838		
	Subtotal 8							0.91	20.33	4.38			
9	JACKSO 3	m	h	c	b	2	0	0.10	3.78	0.00	0.8529		
9	JACKSO 1	f	h	c	b	2	0	1.39	2.98	5.17	0.0168		
	Subtotal 9							1.34	6.76	5.17			
*10	SANDLE 1	m	h	c	f	2	0	0.14	90.22	0.45	0.1881		
*10	SANDLE 3	f	h	c	f	2	0	-0.35	262.43	46.58	0.0000		
	Subtotal 10							-0.35	352.64	47.03			
*11	HUMBLE 1	f	s	c	f	8	4	0.46	16.88	2.64	0.0567		
12	DOBSON 3	m	h	c	b	2	0	0.04	11.77	0.01	0.8905		
12	DOBSON 1	f	h	c	b	2	0	0.47	22.62	3.73	0.0240		
	Subtotal 12							0.38	34.39	3.74			
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	0.14	0.6013		
	Subtotal 13							0.19	10.27	0.14			
14	LAYARD 1	m	s	e	f	2	0	-0.07	52.96	0.98	0.6223		
14	LAYARD 9	f	s	e	f	2	0	-0.00	155.06	0.73	0.9954		
	Subtotal 14							-0.20	208.02	1.71			
*15	LEVOIS 1	m	s	e	f	2	2	-0.03	646.64	6.31	0.4386		
*15	LEVOIS 6	f	s	e	f	2	2	0.03	1627.60	2.44	0.2331		
	Subtotal 15							-0.14	2274.24	8.75			
17	MUSCAT 1	m	s	e	n	2	0	0.32	8.14	0.53	0.3546		
17	MUSCAT 2	f	s	e	n	2	0	0.28	5.82	0.26	0.4970		
	Subtotal 17							0.47	13.96	0.80			
18	TUNSTA 1	c	t	c	n	2	0	0.28	62.37	2.73	0.0283		
*19	STEENL 3	m	s	e	f	2	12	0.09	345.72	0.11	0.1091		
*19	STEENL 4	f	s	e	f	2	13	0.04	314.64	0.27	0.4866		
	Subtotal 19							-0.01	660.35	0.38			
20	JANGHO 1	f	s	e	n	2	0	0.32	27.39	1.76	0.0922		
*21	KAWACH 11	f	h	c	b	2	15	0.43	9.45	1.20	0.1912		
22	CIRUZZ 5	m	s	c	n	2	0	-0.00	8.06	0.04	0.9912		
22	CIRUZZ 6	f	s	c	n	2	0	0.39	11.59	1.23	0.1800		
	Subtotal 22							0.25	19.65	1.27			
23	MCELDU 3	m	t	c	b	2	0	-0.23	29.19	2.64	0.2093		
23	MCELDU 1	f	t	c	b	2	0	0.63	16.76	5.22	0.0104		
	Subtotal 23							0.26	45.95	7.86			
25	HE 1	f	s	e	n	2	0	0.84	17.19	10.25	0.0005		
26	IRIBAR 4	m	h	c	n	2	11	0.12	268.97	0.78	0.0450		
26	IRIBAR 19	f	h	c	n	2	11	0.18	495.01	6.43	0.0000		
	Subtotal 26							0.17	763.97	7.22			
27	ROSENL 1	m	s	e	n	2	0	-0.05	26.10	0.39	0.7851		
27	ROSENL 13	f	s	e	n	2	0	0.29	20.97	1.01	0.1879		
	Subtotal 27							0.10	47.07	1.39			
28	PITSAV 9	c	h	c	n	a	6	0.29	23.73	1.12	0.1648		
*29	ENSTRO 8	m	s	e	f	2	1	-0.06	344.13	5.83	0.2510		
*29	ENSTRO 24	f	s	e	f	2	1	0.01	797.17	2.72	0.7788		
	Subtotal 29							-0.19	1141.29	8.55			
30	CHEN 10	c	h	c	n	2	10	0.18	11.72	0.15	0.5326		
31	NISHTA 3	c	s	e	n	1	1	0.87	5.64	3.60	0.0395		
33	MCGHEE 5	m	h	p	f	2	0	0.24	29.42	0.85	0.1963		
33	MCGHEE 6	f	h	p	f	2	0	0.27	33.81	1.39	0.1147		
	Subtotal 33							0.37	63.24	2.24			

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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 2  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 Overall - unadjusted

Overall

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Ys	Ws	Qs	Ps
*34	QURESH	2	f	s	m	b	2	0	0.16	54.27	0.47	0.2341
35	TEO	1	c	t	c	n	2	6	0.31	656.19	39.87	0.0000
*36	WEN	17	f	s	m	f	2	9	-0.01	37.13	0.23	0.9512

Relative risks

	N	48
	NS	32
	Wt	6732.94
Het	Chi	175.46
Het	df	47
Het	P	***
Fixed	RR	1.07
	RRl	1.05
	RRu	1.10
	P	+++
Random	RR	1.15
	RRl	1.08
	RRu	1.22
	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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)



Table 3  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 By sex - adjusted

combined

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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)
30 CHEN	10	c	h	c	n	2	10	-	-	-	-	1.20 ( 0.70-	2.20)
31 NISHTA	3	c	s	e	n	1	1	-	-	-	-	2.38 ( 1.04-	5.42)
35 TEO	1	c	t	c	n	2	6	-	-	-	-	1.37 ( 1.27-	1.48)
Partial Totals								0	0	0	0		

\*prospective study

male

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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)
*29 ENSTRO	16	m	s	e	f	2	8	-	-	-	-	0.93 ( 0.83-	1.04)
33 MCGHEE	1	m	h	p	f	2	2	-	-	-	-	1.30 ( 0.88-	1.93)
Partial Totals								29	46	103	223		

\*prospective study

female

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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)
*29 ENSTRO	32	f	s	e	f	2	8	-	-	-	-	0.99 ( 0.92-	1.08)
33 MCGHEE	2	f	h	p	f	2	2	-	-	-	-	1.39 ( 0.95-	2.04)
*34 QURESH	1	f	s	m	b	2	7	-	-	-	-	1.05 ( 0.81-	1.38)
*36 WEN	17	f	s	m	f	2	9	-	-	-	-	0.99 ( 0.72-	1.37)
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 = current (c), ever (e), during marriage (m), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 3  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 By sex - adjusted

	combined	male	female	Total
Relative risks				
N	5	17	26	48
NS	5	17	26	48
Wt	774.82	1829.35	3774.78	6378.95
Het Chi	1.98	23.79	58.28	129.57
Het df	4	16	25	47
Het P	N.S.	(*)	***	***
Fixed RR	1.37	1.03	1.08	1.10
RRl	1.28	0.99	1.04	1.07
RRu	1.47	1.08	1.11	1.12
P	+++	N.S.	+++	+++
Random RR	1.37	1.06	1.17	1.17
RRl	1.28	0.99	1.09	1.10
RRu	1.47	1.14	1.26	1.24
P	+++	(+)	+++	+++
Asymm P	N.S.	N.S.	***	**
Between Chi		42.79	36.74	45.52
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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 4  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 By sex - unadjusted

combined

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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)
30 CHEN	10	c	h	c	n	2	10	-	-	-	-	1.20	( 0.70- 2.20)
31 NISHTA	3	c	s	e	n	1	1	-	-	-	-	2.38	( 1.04- 5.42)
35 TEO	1	c	t	c	n	2	6	-	-	-	-	1.37	( 1.27- 1.48)
Partial Totals								329	1216	99	483		

\*prospective study

male

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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)
*29 ENSTRO	8	m	s	e	f	2	1	-	-	-	-	0.94	( 0.85- 1.05)
33 MCGHEE	5	m	h	p	f	2	0	74	71	285	347	1.27	( 0.88- 1.82)
Partial Totals								501	2247	1676	6442		

\*prospective study

female

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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)
*29 ENSTRO	24	f	s	e	f	2	1	-	-	-	-	1.01	( 0.94- 1.08)
33 MCGHEE	6	f	h	p	f	2	0	113	150	112	195	1.31	( 0.94- 1.84)
*34 QURESH	2	f	s	m	b	2	0	140	1823	79	1209	1.18	( 0.90- 1.53)
*36 WEN	17	f	s	m	f	2	9	-	-	-	-	0.99	( 0.72- 1.37)
Partial Totals								2094	94081	1875	74636		

\*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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 4  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 By sex - unadjusted

	combined	male	female	Total
Relative risks				
N	5	17	26	48
NS	5	17	26	48
Wt	759.65	1906.56	4066.73	6732.94
Het Chi	2.03	20.41	101.42	175.46
Het df	4	16	25	47
Het P	N.S.	N.S.	***	***
Fixed RR	1.37	1.03	1.04	1.07
RRl	1.27	0.98	1.01	1.05
RRu	1.47	1.07	1.08	1.10
P	+++	N.S.	++	+++
Random RR	1.37	1.04	1.17	1.15
RRl	1.27	0.98	1.07	1.08
RRu	1.47	1.11	1.28	1.22
P	+++	N.S.	+++	+++
Asymm P	N.S.	N.S.	**	**
Between Chi		44.85	46.73	51.60
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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 5  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 By continent - adjusted

NAmerica

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 10														
*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 14														
*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 15														
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 17														
*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 19														
*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 26														
*29	ENSTRO	16	m	s	e	f	2	8	-	-	-	-	0.93	( 0.83- 1.04)
*29	ENSTRO	32	f	s	e	f	2	8	-	-	-	-	0.99	( 0.92- 1.08)
Subtotal 29														
*34	QURESH	1	f	s	m	b	2	7	-	-	-	-	1.05	( 0.81- 1.38)
Partial Totals									48	52	66	106		
*prospective study														

Europe

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 3														
*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 8														
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 13														
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 27														
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
30	CHEN	10	c	h	c	n	2	10	-	-	-	-	1.20	( 0.70- 2.20)
Partial Totals									41	60	66	157		
*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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 5  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 By continent - adjusted

Asia

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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)
31 NISHTA	3	c	s	e	n	1	1	-	-	-	-	2.38 ( 1.04-	5.42)
33 MCGHEE	1	m	h	p	f	2	2	-	-	-	-	1.30 ( 0.88-	1.93)
33 MCGHEE	2	f	h	p	f	2	2	-	-	-	-	1.39 ( 0.95-	2.04)
Subtotal 33												1.35 ( 1.02-	1.77)
*36 WEN	17	f	s	m	f	2	9	-	-	-	-	0.99 ( 0.72-	1.37)
Partial Totals								63	100	137	300		

\*prospective study

Other

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 9												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 12												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 22												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 23												1.10 ( 0.79-	1.53)
35 TEO	1	c	t	c	n	2	6	-	-	-	-	1.37 ( 1.27-	1.48)
Partial Totals								0	0	0	0		

\*prospective study

		NAmerica	Europe	Asia	Other	Total
Relative risks						
	N	21	11	7	9	48
	NS	14	7	6	5	32
	Wt	5217.78	204.13	220.78	736.26	6378.95
	Het Chi	44.53	5.85	6.16	18.19	129.57
	Het df	20	10	6	8	47
	Het P	**	N.S.	N.S.	*	***
	Fixed RR	1.05	1.28	1.24	1.37	1.10
	RRl	1.02	1.12	1.09	1.28	1.07
	RRu	1.08	1.47	1.41	1.47	1.12
	P	+++	+++	++	+++	+++
	Random RR	1.08	1.28	1.24	1.43	1.17
	RRl	1.02	1.12	1.08	1.11	1.10
	RRu	1.13	1.47	1.42	1.85	1.24
	P	++	+++	++	++	+++
	Asymm P	*	N.S.	*	N.S.	**
	Between Chi		7.93	5.75	45.88	54.84
	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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 6  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 By continent - unadjusted

NAmerica

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 10														
*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 14														
*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 15														
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 17														
*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 19														
*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 26														
*29	ENSTRO	8	m	s	e	f	2	1	-	-	-	-	0.94	( 0.85- 1.05)
*29	ENSTRO	24	f	s	e	f	2	1	-	-	-	-	1.01	( 0.94- 1.08)
Subtotal 29														
*34	QURESH	2	f	s	m	b	2	0	140	1823	79	1209	1.18	( 0.90- 1.53)
Partial Totals									1471	25207	1777	55517		
*prospective study														

Europe

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 3														
*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 8														
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 13														
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 27														
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
30	CHEN	10	c	h	c	n	2	10	-	-	-	-	1.20	( 0.70- 2.20)
Partial Totals									558	1777	413	1251		
*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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 6  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 By continent - unadjusted

Asia

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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)
31 NISHTA 3		c	s	e	n	1	1	-	-	-	-	2.38	( 1.04- 5.42)
33 MCGHEE 5		m	h	p	f	2	0	74	71	285	347	1.27	( 0.88- 1.82)
33 MCGHEE 6		f	h	p	f	2	0	113	150	112	195	1.31	( 0.94- 1.84)
Subtotal 33												1.29	( 1.01- 1.65)
*36 WEN 17		f	s	m	f	2	9	-	-	-	-	0.99	( 0.72- 1.37)
Partial Totals								702	70061	691	22850		

\*prospective study

Other

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 9												1.94	( 0.91- 4.13)
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 12												1.39	( 0.99- 1.93)
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 22												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 23												1.08	( 0.81- 1.45)
35 TEO 1		c	t	c	n	2	6	-	-	-	-	1.37	( 1.27- 1.48)
Partial Totals								193	499	769	1943		

\*prospective study

		NAmerica	Europe	Asia	Other	Total
Relative risks						
	N	21	11	7	9	48
	NS	14	7	6	5	32
	Wt	5533.90	195.21	240.89	762.94	6732.94
	Het Chi	78.46	5.25	15.30	16.20	175.46
	Het df	20	10	6	8	47
	Het P	***	N.S.	*	*	***
	Fixed RR	1.03	1.26	1.20	1.35	1.07
	RRl	1.00	1.09	1.06	1.26	1.05
	RRu	1.05	1.45	1.36	1.45	1.10
	P (+)		++	++	+++	+++
	Random RR	1.05	1.26	1.31	1.31	1.15
	RRl	0.98	1.09	1.05	1.06	1.08
	RRu	1.13	1.45	1.63	1.62	1.22
	P	N.S.	++	+	+	+++
	Asymm P	N.S.	N.S.	*	N.S.	**
	Between Chi		7.94	5.75	51.37	60.24
	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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)



Table 7  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 By publication year (grouped) - adjusted

1984-88

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 3											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	Number 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 8											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 9											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 10											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 12											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 13							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	Number 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 14											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 15											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 17											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 19											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 = current (c), ever (e), during marriage (m), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 7  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 By publication year (grouped) - adjusted

1997-00

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 22								-	-	-	-	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 23								-	-	-	-	1.10	( 0.79- 1.53)
25	HE 2	f	s	e	n	2	6	-	-	-	-	1.60	( 0.94- 2.90)
Partial Totals								63	100	137	300		

\*prospective study

2001-

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Exposed		Non-exposed		RR	95.00%CI
								Case	Cont	Case	Cont		
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 26								-	-	-	-	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 27								-	-	-	-	1.17	( 0.86- 1.59)
28	PITSAV 9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
*29	ENSTRO 16	m	s	e	f	2	8	-	-	-	-	0.93	( 0.83- 1.04)
*29	ENSTRO 32	f	s	e	f	2	8	-	-	-	-	0.99	( 0.92- 1.08)
Subtotal 29								-	-	-	-	0.97	( 0.91- 1.03)
30	CHEN 10	c	h	c	n	2	10	-	-	-	-	1.20	( 0.70- 2.20)
31	NISHTA 3	c	s	e	n	1	1	-	-	-	-	2.38	( 1.04- 5.42)
33	MCGHEE 1	m	h	p	f	2	2	-	-	-	-	1.30	( 0.88- 1.93)
33	MCGHEE 2	f	h	p	f	2	2	-	-	-	-	1.39	( 0.95- 2.04)
Subtotal 33								-	-	-	-	1.35	( 1.02- 1.77)
*34	QURESH 1	f	s	m	b	2	7	-	-	-	-	1.05	( 0.81- 1.38)
35	TEO 1	c	t	c	n	2	6	-	-	-	-	1.37	( 1.27- 1.48)
*36	WEN 17	f	s	m	f	2	9	-	-	-	-	0.99	( 0.72- 1.37)
Partial Totals								0	0	0	0		

\*prospective study

		1984-88	1989-92	1993-96	1997-00	2001-	Total
Relative risks							
	N	7	11	9	7	14	48
	NS	6	6	5	5	10	32
	Wt	145.27	368.15	3222.30	99.15	2544.07	6378.95
	Het Chi	7.31	13.86	10.32	9.45	56.29	129.57
	Het df	6	10	8	6	13	47
	Het P	N.S.	N.S.	N.S.	N.S.	***	***
	Fixed RR	1.22	1.29	1.03	1.32	1.14	1.10
	RR1	1.04	1.17	0.99	1.09	1.10	1.07
	RRu	1.44	1.43	1.07	1.61	1.19	1.12
	P	+	+++	(+)	++	+++	+++
	Random RR	1.26	1.39	1.04	1.37	1.15	1.17
	RR1	1.02	1.18	0.99	1.06	1.04	1.10
	RRu	1.55	1.64	1.08	1.77	1.28	1.24
	P	+	+++	N.S.	+	++	+++
	Asymm P	N.S.	N.S.	N.S.	N.S.	N.S.	**
	Between Chi		0.33	4.11	0.36	0.63	32.34
	Between df		1	1	1	1	4
	Between P		N.S.	-	N.S.	N.S.	***

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), in the past (p)
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Table 8  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 By publication year (grouped) - unadjusted

1984-88

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 3								-	-	-	-	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	Number 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 8								-	-	-	-	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 9								-	-	-	-	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 10								-	-	-	-	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 12								-	-	-	-	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 13								-	-	-	-	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	Number 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 14								-	-	-	-	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 15								-	-	-	-	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 17								-	-	-	-	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 19								-	-	-	-	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:

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- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 8  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 By publication year (grouped) - unadjusted

1997-00

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 22													
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 23													
25	HE 1	f	s	e	n	2	0	76	95	39	113	2.32	( 1.44- 3.72)
Partial Totals								267	561	667	1664		

\*prospective study

2001-

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Exposed		Non-exposed		RR	95.00%CI
								Case	Cont	Case	Cont		
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 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 27													
28	PITSAV 9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
*29	ENSTRO 8	m	s	e	f	2	1	-	-	-	-	0.94	( 0.85- 1.05)
*29	ENSTRO 24	f	s	e	f	2	1	-	-	-	-	1.01	( 0.94- 1.08)
Subtotal 29													
30	CHEN 10	c	h	c	n	2	10	-	-	-	-	1.20	( 0.70- 2.20)
31	NISHTA 3	c	s	e	n	1	1	-	-	-	-	2.38	( 1.04- 5.42)
33	MCGHEE 5	m	h	p	f	2	0	74	71	285	347	1.27	( 0.88- 1.82)
33	MCGHEE 6	f	h	p	f	2	0	113	150	112	195	1.31	( 0.94- 1.84)
Subtotal 33													
*34	QURESH 2	f	s	m	b	2	0	140	1823	79	1209	1.18	( 0.90- 1.53)
35	TEO 1	c	t	c	n	2	6	-	-	-	-	1.37	( 1.27- 1.48)
*36	WEN 17	f	s	m	f	2	9	-	-	-	-	0.99	( 0.72- 1.37)
Partial Totals								445	2276	676	2180		

\*prospective study

		1984-88	1989-92	1993-96	1997-00	2001-	Total
Relative risks							
	N	7	11	9	7	14	48
	NS	6	6	5	5	10	32
	Wt	148.83	441.28	3218.94	119.63	2804.25	6732.94
	Het Chi	10.05	50.58	9.01	16.09	54.80	175.46
	Het df	6	10	8	6	13	47
	Het P	N.S.	***	N.S.	*	***	***
	Fixed RR	1.15	0.90	1.03	1.35	1.14	1.07
	RRl	0.98	0.82	0.99	1.13	1.10	1.05
	RRu	1.35	0.99	1.06	1.61	1.18	1.10
	P	(+)	-	N.S.	++	+++	+++
	Random RR	1.29	1.29	1.03	1.40	1.15	1.15
	RRl	1.00	0.96	0.99	1.03	1.05	1.08
	RRu	1.68	1.74	1.07	1.89	1.27	1.22
	P	(+)	(+)	N.S.	+	++	+++
	Asymm P	*	**	N.S.	N.S.	N.S.	**
	Between Chi		6.40	1.79	1.64	0.02	34.93
	Between df		1	1	1	1	4
	Between P		-	N.S.	N.S.	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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 9  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 By number of heart disease cases (grouped) - adjusted

1-99

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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)
31 NISHTA	3	c	s	e	n	1	1	-	-	-	-	2.38	( 1.04- 5.42)
Partial Totals								0	0	0	0		

\*prospective study

100-199

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 3												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 8												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 13												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 17												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	Number 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 9												1.20	( 0.98- 1.46)
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 12												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 22												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 23												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 27												1.17	( 0.86- 1.59)
28 PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
30 CHEN	10	c	h	c	n	2	10	-	-	-	-	1.20	( 0.70- 2.20)
33 MCGHEE	1	m	h	p	f	2	2	-	-	-	-	1.30	( 0.88- 1.93)
33 MCGHEE	2	f	h	p	f	2	2	-	-	-	-	1.39	( 0.95- 2.04)
Subtotal 33												1.35	( 1.02- 1.77)
*34 QURESH	1	f	s	m	b	2	7	-	-	-	-	1.05	( 0.81- 1.38)
*36 WEN	17	f	s	m	f	2	9	-	-	-	-	0.99	( 0.72- 1.37)
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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 9  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 By number of heart disease cases (grouped) - adjusted

1000+

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 10													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 14													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 15													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 19													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 26													1.17	( 1.09-	1.26)
*29	ENSTRO	16	m	s	e	f	2	8	-	-	-	-	0.93	( 0.83-	1.04)
*29	ENSTRO	32	f	s	e	f	2	8	-	-	-	-	0.99	( 0.92-	1.08)
Subtotal 29													0.97	( 0.91-	1.03)
35	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37	( 1.27-	1.48)
Partial Totals									0	0	0	0			
*prospective study															

Relative risks	N	1-99	100-199	200-999	1000+	Total
		NS	6	10	19	13
Wt		60.60	86.02	490.86	5741.47	6378.95
Het Chi		5.41	3.69	26.45	72.57	129.57
Het df		5	9	18	12	47
Het P		N.S.	N.S.	(*)	***	***
Fixed RR		1.60	1.37	1.23	1.08	1.10
RRl		1.24	1.11	1.13	1.05	1.07
RRu		2.06	1.69	1.35	1.11	1.12
P		+++	++	+++	+++	+++
Random RR		1.61	1.37	1.26	1.09	1.17
RRl		1.24	1.11	1.12	1.01	1.10
RRu		2.10	1.69	1.41	1.16	1.24
P		+++	++	+++	+	+++
Asymm P		N.S.	N.S.	N.S.	N.S.	**
Between Chi			0.86	3.62	9.34	21.43
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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 10  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 By study type - adjusted

case-control

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 3														
9	JACKSO	4	m	h	c	b	2	2	-	-	-	-	1.03 ( 0.66- 1.60)	
9	JACKSO	2	f	h	c	b	2	2	-	-	-	-	1.06 ( 0.39- 2.91)	
Subtotal 9														
12	DOBSON	4	m	h	c	b	2	2	-	-	-	-	3.74 ( 1.15- 12.19)	
12	DOBSON	2	f	h	c	b	2	2	-	-	-	-	1.80 ( 0.84- 3.87)	
Subtotal 12														
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 13														
14	LAYARD	2	m	s	e	f	2	2	-	-	-	-	1.17 ( 0.64- 2.16)	
14	LAYARD	10	f	s	e	f	2	2	-	-	-	-	1.09 ( 0.73- 1.28)	
Subtotal 14														
17	MUSCAT	1	m	s	e	n	2	0	20	25	48	83	0.97 ( 0.73- 1.28)	
17	MUSCAT	2	f	s	e	n	2	0	28	27	18	23	1.33 ( 0.59- 2.99)	
Subtotal 17														
20	JANGHO	1	f	s	e	n	2	0	63	100	137	300	1.36 ( 0.80- 2.30)	
22	CIRUZZ	7	m	s	c	n	2	9	-	-	-	-	1.38 ( 0.95- 2.01)	
22	CIRUZZ	8	f	s	c	n	2	9	-	-	-	-	1.18 ( 0.55- 2.52)	
Subtotal 22														
23	MCELDU	4	m	t	c	b	2	4	-	-	-	-	1.73 ( 0.89- 3.36)	
23	MCELDU	2	f	t	c	b	2	4	-	-	-	-	1.47 ( 0.89- 2.42)	
Subtotal 23														
25	HE	2	f	s	e	n	2	6	-	-	-	-	0.82 ( 0.55- 1.22)	
27	ROENL	2	m	s	e	n	2	8	-	-	-	-	2.15 ( 1.18- 3.92)	
27	ROENL	14	f	s	e	n	2	8	-	-	-	-	1.10 ( 0.79- 1.53)	
Subtotal 27														
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.60 ( 0.94- 2.90)	
31	NISHTA	3	c	s	e	n	1	1	-	-	-	-	0.96 ( 0.64- 1.44)	
33	MCGHEE	1	m	h	p	f	2	2	-	-	-	-	1.53 ( 0.95- 2.44)	
33	MCGHEE	2	f	h	p	f	2	2	-	-	-	-	1.17 ( 0.86- 1.59)	
Subtotal 33														
35	TEO	1	c	t	c	n	2	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	Number 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 8														
*10	SANDLE	2	m	h	c	f	2	4	-	-	-	-	1.70 ( 1.10- 2.63)	
*10	SANDLE	4	f	h	c	f	2	4	-	-	-	-	1.31 ( 1.05- 1.64)	
Subtotal 10														
*11	HUMBLE	1	f	s	c	f	8	4	-	-	-	-	1.19 ( 1.04- 1.36)	
*15	LEVOIS	1	m	s	e	f	2	2	-	-	-	-	1.22 ( 1.09- 1.37)	
*15	LEVOIS	6	f	s	e	f	2	2	-	-	-	-	1.59 ( 0.99- 2.57)	
Subtotal 15														
*19	STEENL	3	m	s	e	f	2	12	-	-	-	-	0.97 ( 0.90- 1.05)	
*19	STEENL	4	f	s	e	f	2	13	-	-	-	-	1.03 ( 0.98- 1.08)	
Subtotal 19														
*21	KAWACH	11	f	h	c	b	2	15	-	-	-	-	1.01 ( 0.97- 1.06)	
*29	ENSTRO	16	m	s	e	f	2	8	-	-	-	-	1.09 ( 0.98- 1.21)	
*29	ENSTRO	32	f	s	e	f	2	8	-	-	-	-	1.04 ( 0.93- 1.16)	
Subtotal 29														
*34	QURESH	1	f	s	m	b	2	7	-	-	-	-	1.07 ( 0.99- 1.15)	
*36	WEN	17	f	s	m	f	2	9	-	-	-	-	1.53 ( 0.81- 2.90)	
Subtotal 36														

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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 10  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 By study type - adjusted

prospective

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
Partial Totals								0	0	0	0		
*prospective study													

crosssectional

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
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 26												1.17 (	1.09- 1.26)
30 CHEN 10		c	h	c	n	2	10	-	-	-	-	1.20 (	0.70- 2.20)
Partial Totals								0	0	0	0		
*prospective study													

Relative risks		case-cont	prospecti	crosssect	Total
	N	25	18	5	48
	NS	15	13	4	32
	Wt	1137.33	4382.06	859.56	6378.95
	Het Chi	42.29	32.06	5.69	129.57
	Het df	24	17	4	47
	Het P	*	*	N.S.	***
Fixed	RR	1.28	1.03	1.20	1.10
	RRl	1.21	1.00	1.12	1.07
	RRu	1.36	1.07	1.28	1.12
	P	+++	+	+++	+++
Random	RR	1.27	1.06	1.21	1.17
	RRl	1.13	1.01	1.10	1.10
	RRu	1.42	1.12	1.33	1.24
	P	+++	+	+++	+++
Asymm	P	N.S.	**	N.S.	**
Between	Chi		41.96	2.41	49.53
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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)



Table 11

ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
By total number of confounders considered in the study (grouped) - adjusted

0-2

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 3														
*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 14														
*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 15														
20	JANGHO	1	f	s	e	n	2	0	63	100	137	300	1.38	( 0.95- 2.01)
31	NISHTA	3	c	s	e	n	1	1	-	-	-	-	2.38	( 1.04- 5.42)
33	MCGHEE	1	m	h	p	f	2	2	-	-	-	-	1.30	( 0.88- 1.93)
33	MCGHEE	2	f	h	p	f	2	2	-	-	-	-	1.39	( 0.95- 2.04)
Subtotal 33														
Partial Totals									63	100	137	300		

\*prospective study

3-4

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 10														
*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 12														
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 17														
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 23														
Partial Totals									48	52	66	106		

\*prospective study

5+

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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)
*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 8														
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 9														
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 13														
*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 19														
*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 22														
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)

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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 11

ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
By total number of confounders considered in the study (grouped) - adjusted

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Exposed		Non-exposed		RR	95.00%CI		
								Case	Cont	Case	Cont				
26	IRIBAR 19	f	h	c	n	2	11	-	-	-	-	1.20	( 1.09-	1.30)	
Subtotal 26													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 27													1.17	( 0.86-	1.59)
28	PITSAV 9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89-	1.99)	
*29	ENSTRO 16	m	s	e	f	2	8	-	-	-	-	0.93	( 0.83-	1.04)	
*29	ENSTRO 32	f	s	e	f	2	8	-	-	-	-	0.99	( 0.92-	1.08)	
Subtotal 29													0.97	( 0.91-	1.03)
30	CHEN 10	c	h	c	n	2	10	-	-	-	-	1.20	( 0.70-	2.20)	
*34	QURESH 1	f	s	m	b	2	7	-	-	-	-	1.05	( 0.81-	1.38)	
35	TEO 1	c	t	c	n	2	6	-	-	-	-	1.37	( 1.27-	1.48)	
*36	WEN 17	f	s	m	f	2	9	-	-	-	-	0.99	( 0.72-	1.37)	
Partial Totals								41	60	66	157				
*prospective study															

Relative risks	0-2		3-4		5+		Total	
	N	NS						
	12	8	10	6	26	18	48	32
	Wt	2677.56	457.35		3244.03		6378.95	
	Het Chi	14.34	16.65		73.38		129.57	
	Het df	11	9		25		47	
	Het P	N.S.	(*)		***		***	
	Fixed RR	1.03	1.27		1.13		1.10	
	RRl	0.99	1.16		1.10		1.07	
	RRu	1.07	1.39		1.17		1.12	
	P	N.S.	+++		+++		+++	
	Random RR	1.04	1.32		1.17		1.17	
	RRl	0.98	1.13		1.08		1.10	
	RRu	1.11	1.55		1.28		1.24	
	P	N.S.	+++		+++		+++	
	Asymm P	*	N.S.		N.S.		**	
	Between Chi		17.60		14.67		25.20	
	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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 12  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 By any study results available on dose-response or not - adjusted

none

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 10												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 12												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 23												1.10 ( 0.79- 1.53)	
*34 QURESH	1	f	s	m	b	2	7	-	-	-	-	1.05 ( 0.81- 1.38)	
Partial Totals								0	0	0	0		
*prospective study													

results given

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 3												1.13 ( 0.94- 1.37)	
*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 8												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 9												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 13												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 14												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 15												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 17												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 19												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 22												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 26												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 27												1.17 ( 0.86- 1.59)	
28 PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33 ( 0.89- 1.99)	
*29 ENSTRO	16	m	s	e	f	2	8	-	-	-	-	0.93 ( 0.83- 1.04)	
*29 ENSTRO	32	f	s	e	f	2	8	-	-	-	-	0.99 ( 0.92- 1.08)	
Subtotal 29												0.97 ( 0.91- 1.03)	
30 CHEN	10	c	h	c	n	2	10	-	-	-	-	1.20 ( 0.70- 2.20)	

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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 12  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 By any study results available on dose-response or not - adjusted

results given

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Exposed		Non-exposed		RR	95.00%CI	
									Case	Cont	Case	Cont			
31	NISHTA	3	c	s	e	n	1	1	-	-	-	-	2.38	( 1.04-	5.42)
33	MCGHEE	1	m	h	p	f	2	2	-	-	-	-	1.30	( 0.88-	1.93)
33	MCGHEE	2	f	h	p	f	2	2	-	-	-	-	1.39	( 0.95-	2.04)
Subtotal 33													1.35	( 1.02-	1.77)
35	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37	( 1.27-	1.48)
*36	WEN	17	f	s	m	f	2	9	-	-	-	-	0.99	( 0.72-	1.37)
Partial Totals									152	212	269	563			

\*prospective study

Relative risks	none	no assoc	sig assoc	results g	Total
N	11			37	48
NS	8			24	32
Wt	443.79			5935.16	6378.95
Het Chi	22.70			100.15	129.57
Het df	10			36	47
Het P	*			***	***
Fixed RR	1.23			1.09	1.10
RRl	1.12			1.06	1.07
RRu	1.35			1.11	1.12
P	+++			+++	+++
Random RR	1.32			1.14	1.17
RRl	1.10			1.07	1.10
RRu	1.57			1.21	1.24
P	++			+++	+++
Asymm P	N.S.			*	**
Between Chi				6.72	6.72
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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 13  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 By spouse the index or not - adjusted

								Number Exposed		Non-exposed		RR	95.00%CI
StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Case	Cont	Case		
*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 3													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 13													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 14													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 15													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 17													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 19													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 22													1.47 ( 0.89- 2.42)
25	HE	2	f	s	e	n	2	6	-	-	-	-	1.60 ( 0.94- 2.90)
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 27													1.17 ( 0.86- 1.59)
*29	ENSTRO	16	m	s	e	f	2	8	-	-	-	-	0.93 ( 0.83- 1.04)
*29	ENSTRO	32	f	s	e	f	2	8	-	-	-	-	0.99 ( 0.92- 1.08)
Subtotal 29													0.97 ( 0.91- 1.03)
31	NISHTA	3	c	s	e	n	1	1	-	-	-	-	2.38 ( 1.04- 5.42)
*34	QURESH	1	f	s	m	b	2	7	-	-	-	-	1.05 ( 0.81- 1.38)
*36	WEN	17	f	s	m	f	2	9	-	-	-	-	0.99 ( 0.72- 1.37)
Partial Totals									152	212	269	563	
*prospective study													

								Number Exposed		Non-exposed		RR	95.00%CI
StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Case	Cont	Case		
*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 8													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 9													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 10													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 12													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 23													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 26													1.17 ( 1.09- 1.26)

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), in the past (p)  
 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD  
 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 13  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 By spouse the index or not - adjusted

No								Number Exposed				Non-exposed			
StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Case	Cont	Case	Cont	RR	95.00%CI	
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89-	1.99)
30	CHEN	10	c	h	c	n	2	10	-	-	-	-	1.20	( 0.70-	2.20)
33	MCGHEE	1	m	h	p	f	2	2	-	-	-	-	1.30	( 0.88-	1.93)
33	MCGHEE	2	f	h	p	f	2	2	-	-	-	-	1.39	( 0.95-	2.04)
Subtotal 33													1.35	( 1.02-	1.77)
35	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37	( 1.27-	1.48)
Partial Totals									0	0	0	0			

\*prospective study

Relative risks		Yes	No	Total
	N	29	19	48
	NS	20	12	32
	Wt	4409.27	1969.68	6378.95
	Het Chi	38.00	30.50	129.57
	Het df	28	18	47
	Het P	(*)	*	***
Fixed	RR	1.03	1.27	1.10
	RRl	1.00	1.21	1.07
	RRu	1.06	1.33	1.12
	P	(+)	+++	+++
Random	RR	1.05	1.28	1.17
	RRl	1.00	1.19	1.10
	RRu	1.10	1.39	1.24
	P	(+)	+++	+++
Asymm	P	***	N.S.	**
Between	Chi		61.08	61.08
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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 14  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 By heart disease type 1 - adjusted

Fatal

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 8														
*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 10														
*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 14														
*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 15														
*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 19														
*29	ENSTRO	16	m	s	e	f	2	8	-	-	-	-	0.93	( 0.83- 1.04)
*29	ENSTRO	32	f	s	e	f	2	8	-	-	-	-	0.99	( 0.92- 1.08)
Subtotal 29														
33	MCGHEE	1	m	h	p	f	2	2	-	-	-	-	1.30	( 0.88- 1.93)
33	MCGHEE	2	f	h	p	f	2	2	-	-	-	-	1.39	( 0.95- 2.04)
Subtotal 33														
*36	WEN	17	f	s	m	f	2	9	-	-	-	-	0.99	( 0.72- 1.37)
Partial Totals									0	0	0	0		
*prospective study														

Nonfatal

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 3														
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 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 17														
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 22														
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 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 27														
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
30	CHEN	10	c	h	c	n	2	10	-	-	-	-	1.20	( 0.70- 2.20)
31	NISHTA	3	c	s	e	n	1	1	-	-	-	-	2.38	( 1.04- 5.42)
35	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37	( 1.27- 1.48)
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 = current (c), ever (e), during marriage (m), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 14  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 By heart disease type 1 - adjusted

Both

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 9													1.67	( 1.09- 2.56)
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 12													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 23													1.10	( 0.79- 1.53)
*34	QURESH	1	f	s	m	b	2	7	-	-	-	-	1.05	( 0.81- 1.38)
Partial Totals									0	0	0	0		
*prospective study														

Relative risks		Fatal	Nonfatal	Both	Total
	N	19	20	9	48
	NS	12	14	6	32
	Wt	4551.65	1684.72	142.57	6378.95
	Het Chi	31.88	20.39	20.95	129.57
	Het df	18	19	8	47
	Het P	*	N.S.	**	***
Fixed	RR	1.03	1.27	1.26	1.10
	RRl	1.00	1.21	1.07	1.07
	RRu	1.06	1.33	1.49	1.12
	P	+	+++	++	+++
Random	RR	1.06	1.27	1.41	1.17
	RRl	1.01	1.20	1.05	1.10
	RRu	1.11	1.34	1.90	1.24
	P	+	+++	+	+++
Asymm	P	**	N.S.	N.S.	**
Between	Chi		53.40	5.62	56.34
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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)



Table 15  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 By heart disease type 2 - adjusted

IHD								Number 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 3								-	-	-	-	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 14								-	-	-	-	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 19								-	-	-	-	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	ENSTRO	16	m	s	e	f	2	8	-	-	-	-	0.93 ( 0.83- 1.04)		
*29	ENSTRO	32	f	s	e	f	2	8	-	-	-	-	0.99 ( 0.92- 1.08)		
Subtotal 29								-	-	-	-	0.97 ( 0.91- 1.03)			
30	CHEN	10	c	h	c	n	2	10	-	-	-	-	1.20 ( 0.70- 2.20)		
31	NISHTA	3	c	s	e	n	1	1	-	-	-	-	2.38 ( 1.04- 5.42)		
33	MCGHEE	1	m	h	p	f	2	2	-	-	-	-	1.30 ( 0.88- 1.93)		
33	MCGHEE	2	f	h	p	f	2	2	-	-	-	-	1.39 ( 0.95- 2.04)		
Subtotal 33								-	-	-	-	1.35 ( 1.02- 1.77)			
Partial Totals								63	100	137	300				

\*prospective study

MI								Number 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 13								-	-	-	-	1.59 ( 0.98- 2.57)			
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 17								-	-	-	-	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 22								-	-	-	-	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 23								-	-	-	-	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 27								-	-	-	-	1.17 ( 0.86- 1.59)			
35	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37 ( 1.27- 1.48)		
Partial Totals								89	112	132	263				

\*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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)



Table 16  
 ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 Overall - adjusted

Overall

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 3													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 8													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 9													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 10													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 12													1.72	( 1.15-	2.59)
13	LAVECC	11	c	s	c	n	8	8	-	-	-	-	1.21	( 0.57-	2.52)
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 14													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 15													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 17													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 19													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 22													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 23													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 26													1.17	( 1.09-	1.26)
27	ROENL	4	m	s	c	n	8	8	-	-	-	-	0.98	( 0.57-	1.69)
27	ROENL	16	f	s	c	n	8	8	-	-	-	-	2.59	( 1.27-	5.29)
Subtotal 27													1.40	( 0.91-	2.16)
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89-	1.99)
*29	ENSTRO	15	m	s	c	f	8	8	-	-	-	-	0.92	( 0.80-	1.05)
*29	ENSTRO	31	f	s	c	f	8	8	-	-	-	-	0.97	( 0.89-	1.06)
Subtotal 29													0.96	( 0.89-	1.03)
30	CHEN	10	c	h	c	n	2	10	-	-	-	-	1.20	( 0.70-	2.20)
31	NISHTA	3	c	s	e	n	1	1	-	-	-	-	2.38	( 1.04-	5.42)
33	MCGHEE	1	m	h	p	f	2	2	-	-	-	-	1.30	( 0.88-	1.93)
33	MCGHEE	2	f	h	p	f	2	2	-	-	-	-	1.39	( 0.95-	2.04)
Subtotal 33													1.35	( 1.02-	1.77)
*34	QURESH	1	f	s	m	b	2	7	-	-	-	-	1.05	( 0.81-	1.38)
35	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37	( 1.27-	1.48)
*36	WEN	18	f	s	c	f	2	9	-	-	-	-	1.19	( 0.84-	1.67)
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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 16  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 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	0.16	0.1655
*2	GARLAN	4	f	s	c	f	8	1	0.81	1.01	0.50	0.4145
3	LEE	2	m	s	m	n	2	2	0.22	7.02	0.08	0.5687
3	LEE	4	f	s	m	n	2	2	-0.07	12.88	0.41	0.7946
Subtotal 3									-0.07	19.90	0.49	
4	MARTIN	1	f	s	e	n	2	6	0.96	6.33	4.57	0.0162
*5	SVENDS	2	m	s	c	b	2	6	0.48	14.27	1.96	0.0720
*6	BUTLER	4	f	s	c	f	8	1	0.34	3.77	0.20	0.5135
*8	HOLE	3	m	h	e	f	2	5	0.55	13.29	2.60	0.0457
*8	HOLE	2	f	h	e	f	2	5	0.50	7.04	1.10	0.1838
Subtotal 8									0.84	20.33	3.70	
9	JACKSO	4	m	h	c	b	2	2	0.06	3.80	0.01	0.9095
9	JACKSO	2	f	h	c	b	2	2	1.32	2.76	4.06	0.0285
Subtotal 9									1.17	6.56	4.07	
*10	SANDLE	2	m	h	c	f	2	4	0.27	77.28	2.08	0.0176
*10	SANDLE	4	f	h	c	f	2	4	0.17	213.52	0.99	0.0110
Subtotal 10									0.23	290.80	3.08	
*11	HUMBLE	1	f	s	c	f	8	4	0.46	16.88	2.16	0.0567
12	DOBSON	4	m	h	c	b	2	2	-0.03	8.90	0.17	0.9276
12	DOBSON	2	f	h	c	b	2	2	0.90	14.40	9.09	0.0006
Subtotal 12									0.66	23.30	9.25	
13	LAVECC	11	c	s	c	n	8	8	0.19	6.96	0.05	0.6152
14	LAYARD	2	m	s	e	f	2	2	-0.03	48.72	0.90	0.8316
14	LAYARD	10	f	s	e	f	2	2	-0.01	147.49	1.98	0.9029
Subtotal 14									-0.25	196.21	2.88	
*15	LEVOIS	2	m	s	c	f	8	2	-0.02	660.03	10.48	0.6037
*15	LEVOIS	7	f	s	c	f	8	2	0.04	1659.41	7.36	0.1101
Subtotal 15									-0.19	2319.43	17.83	
17	MUSCAT	1	m	s	e	n	2	0	0.32	8.14	0.39	0.3546
17	MUSCAT	2	f	s	e	n	2	0	0.28	5.82	0.18	0.4970
Subtotal 17									0.39	13.96	0.57	
18	TUNSTA	2	c	t	c	n	2	4	0.29	77.54	2.71	0.0100
*19	STEENL	1	m	s	c	f	8	12	0.20	212.64	1.84	0.0037
*19	STEENL	2	f	s	c	f	8	13	0.10	196.22	0.02	0.1818
Subtotal 19									0.08	408.86	1.86	
20	JANGHO	1	f	s	e	n	2	0	0.32	27.39	1.28	0.0922
*21	KAWACH	11	f	h	c	b	2	15	0.43	9.45	0.96	0.1912
22	CIRUZZ	7	m	s	c	n	2	9	0.17	6.63	0.02	0.6699
22	CIRUZZ	8	f	s	c	n	2	9	0.55	8.71	1.70	0.1058
Subtotal 22									0.50	15.34	1.73	
23	MCELDU	4	m	t	c	b	2	4	-0.20	24.21	2.24	0.3288
23	MCELDU	2	f	t	c	b	2	4	0.77	10.66	4.64	0.0124
Subtotal 23									0.36	34.87	6.88	
25	HE	2	f	s	e	n	2	6	0.47	12.11	1.61	0.1020
26	IRIBAR	4	m	h	c	n	2	11	0.12	268.97	0.07	0.0450
26	IRIBAR	19	f	h	c	n	2	11	0.18	495.01	2.90	0.0000
Subtotal 26									0.09	763.97	2.97	
27	ROSENL	4	m	s	c	n	8	8	-0.02	13.01	0.21	0.9419
27	ROSENL	16	f	s	c	n	8	8	0.95	7.55	5.40	0.0089
Subtotal 27									0.72	20.56	5.61	
28	PITSAV	9	c	h	c	n	a	6	0.29	23.73	0.76	0.1648
*29	ENSTRO	15	m	s	c	f	8	8	-0.08	207.79	7.44	0.2294
*29	ENSTRO	31	f	s	c	f	8	8	-0.03	502.87	9.34	0.4946
Subtotal 29									-0.33	710.67	16.77	
30	CHEN	10	c	h	c	n	2	10	0.18	11.72	0.07	0.5326
31	NISHTA	3	c	s	e	n	1	1	0.87	5.64	3.27	0.0395
33	MCGHEE	1	m	h	p	f	2	2	0.26	24.91	0.61	0.1904
33	MCGHEE	2	f	h	p	f	2	2	0.33	26.31	1.31	0.0912
Subtotal 33									0.38	51.22	1.92	
*34	QURESH	1	f	s	m	b	2	7	0.05	54.13	0.18	0.7196
35	TEO	1	c	t	c	n	2	6	0.31	656.19	28.67	0.0000
*36	WEN	18	f	s	c	f	2	9	0.17	32.54	0.15	0.3211

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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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 16  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 Overall - adjusted

Relative risks

	N	47
	NS	32
	Wt	5942.93
Het	Chi	128.87
Het	df	46
Het	P	***
Fixed	RR	1.11
	RRl	1.08
	RRu	1.14
	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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 17  
 ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 Overall - unadjusted

Overall

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 3													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 8													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 9													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 10													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 12													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 13													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 14													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 15													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 17													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 19													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 22													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 23													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 26													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 27													1.38	( 0.93- 2.07)
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
*29	ENSTRO	7	m	s	c	f	8	1	-	-	-	-	0.94	( 0.83- 1.07)
*29	ENSTRO	23	f	s	c	f	8	1	-	-	-	-	1.01	( 0.93- 1.09)
Subtotal 29													0.99	( 0.93- 1.06)
30	CHEN	10	c	h	c	n	2	10	-	-	-	-	1.20	( 0.70- 2.20)
31	NISHTA	3	c	s	e	n	1	1	-	-	-	-	2.38	( 1.04- 5.42)
33	MCGHEE	5	m	h	p	f	2	0	74	71	285	347	1.27	( 0.88- 1.82)
33	MCGHEE	6	f	h	p	f	2	0	113	150	112	195	1.31	( 0.94- 1.84)
Subtotal 33													1.29	( 1.01- 1.65)
*34	QURESH	2	f	s	m	b	2	0	140	1823	79	1209	1.18	( 0.90- 1.53)
35	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37	( 1.27- 1.48)
*36	WEN	18	f	s	c	f	2	9	-	-	-	-	1.19	( 0.84- 1.67)
Partial Totals									2806	88877	3650	81562		

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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 17  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 Overall - unadjusted

Overall

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Exposed Case Cont	Non-exposed Case Cont	RR	95.00%CI
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	0.59	0.9867
*2	GARLAN 2	f	s	c	f	8	0	0.74	1.02	0.44	0.4568
3	LEE 1	m	s	m	n	2	0	0.29	7.10	0.32	0.4340
3	LEE 3	f	s	m	n	2	0	-0.03	12.62	0.16	0.9185
	Subtotal 3							0.10	19.72	0.47	
4	MARTIN 1	f	s	e	n	2	6	0.96	6.33	4.83	0.0162
*5	SVENDS 1	m	s	c	b	2	0	0.38	15.65	1.42	0.1296
*6	BUTLER 3	f	s	c	f	8	0	0.14	3.76	0.01	0.7812
*8	HOLE 3	m	h	e	f	2	5	0.55	13.29	2.88	0.0457
*8	HOLE 2	f	h	e	f	2	5	0.50	7.04	1.23	0.1838
	Subtotal 8							0.88	20.33	4.12	
9	JACKSO 3	m	h	c	b	2	0	0.10	3.78	0.00	0.8529
9	JACKSO 1	f	h	c	b	2	0	1.39	2.98	5.06	0.0168
	Subtotal 9							1.32	6.76	5.06	
*10	SANDLE 1	m	h	c	f	2	0	0.14	90.22	0.28	0.1881
*10	SANDLE 3	f	h	c	f	2	0	-0.35	262.43	49.74	0.0000
	Subtotal 10							-0.38	352.64	50.03	
*11	HUMBLE 1	f	s	c	f	8	4	0.46	16.88	2.46	0.0567
12	DOBSON 3	m	h	c	b	2	0	0.04	11.77	0.02	0.8905
12	DOBSON 1	f	h	c	b	2	0	0.47	22.62	3.48	0.0240
	Subtotal 12							0.35	34.39	3.50	
13	LAVECC 5	m	s	c	n	8	0	0.05	4.41	0.01	0.9214
13	LAVECC 3	f	s	c	n	8	0	0.27	3.87	0.14	0.5916
	Subtotal 13							0.16	8.27	0.15	
14	LAYARD 1	m	s	e	f	2	0	-0.07	52.96	1.19	0.6223
14	LAYARD 9	f	s	e	f	2	0	-0.00	155.06	1.06	0.9954
	Subtotal 14							-0.23	208.02	2.26	
*15	LEVOIS 2	m	s	c	f	8	2	-0.02	660.03	6.95	0.6037
*15	LEVOIS 7	f	s	c	f	8	2	0.04	1659.41	3.09	0.1101
	Subtotal 15							-0.15	2319.43	10.04	
17	MUSCAT 1	m	s	e	n	2	0	0.32	8.14	0.48	0.3546
17	MUSCAT 2	f	s	e	n	2	0	0.28	5.82	0.23	0.4970
	Subtotal 17							0.44	13.96	0.71	
18	TUNSTA 1	c	t	c	n	2	0	0.28	62.37	2.38	0.0283
*19	STEENL 1	m	s	c	f	8	12	0.20	212.64	2.88	0.0037
*19	STEENL 2	f	s	c	f	8	13	0.10	196.22	0.03	0.1818
	Subtotal 19							0.13	408.86	2.92	
20	JANGHO 1	f	s	e	n	2	0	0.32	27.39	1.57	0.0922
*21	KAWACH 11	f	h	c	b	2	15	0.43	9.45	1.11	0.1912
22	CIRUZZ 5	m	s	c	n	2	0	-0.00	8.06	0.06	0.9912
22	CIRUZZ 6	f	s	c	n	2	0	0.39	11.59	1.12	0.1800
	Subtotal 22							0.23	19.65	1.18	
23	MCELDU 3	m	t	c	b	2	0	-0.23	29.19	2.89	0.2093
23	MCELDU 1	f	t	c	b	2	0	0.63	16.76	4.96	0.0104
	Subtotal 23							0.23	45.95	7.85	
25	HE 1	f	s	e	n	2	0	0.84	17.19	9.88	0.0005
26	IRIBAR 4	m	h	c	n	2	11	0.12	268.97	0.43	0.0450
26	IRIBAR 19	f	h	c	n	2	11	0.18	495.01	4.94	0.0000
	Subtotal 26							0.14	763.97	5.37	
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	4.04	0.0241
	Subtotal 27							0.66	23.71	4.05	
28	PITSAV 9	c	h	c	n	a	6	0.29	23.73	0.98	0.1648
*29	ENSTRO 7	m	s	c	f	8	1	-0.06	238.19	4.96	0.3396
*29	ENSTRO 23	f	s	c	f	8	1	0.01	609.73	3.20	0.8059
	Subtotal 29							-0.22	847.92	8.15	
30	CHEN 10	c	h	c	n	2	10	0.18	11.72	0.12	0.5326
31	NISHTA 3	c	s	e	n	1	1	0.87	5.64	3.47	0.0395
33	MCGHEE 5	m	h	p	f	2	0	0.24	29.42	0.71	0.1963
33	MCGHEE 6	f	h	p	f	2	0	0.27	33.81	1.21	0.1147
	Subtotal 33							0.34	63.24	1.92	

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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 17  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 Overall - unadjusted

Overall

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Ys	Ws	Qs	Ps
*34	QURESH	2	f	s	m	b	2	0	0.16	54.27	0.34	0.2341
35	TEO	1	c	t	c	n	2	6	0.31	656.19	35.45	0.0000
*36	WEN	18	f	s	c	f	2	9	0.17	32.54	0.27	0.3211

Relative risks

	N	48
	NS	32
	Wt	6191.25
Het	Chi	173.07
Het	df	47
Het	P	***
Fixed	RR	1.09
	RRl	1.06
	RRu	1.11
	P	+++
Random	RR	1.17
	RRl	1.09
	RRu	1.25
	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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)



Table 18  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 By sex - adjusted

combined

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
13	LAVECC	11	c	s	c	n	8	8	-	-	-	-	1.21	( 0.57- 2.52)
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)
30	CHEN	10	c	h	c	n	2	10	-	-	-	-	1.20	( 0.70- 2.20)
31	NISHTA	3	c	s	e	n	1	1	-	-	-	-	2.38	( 1.04- 5.42)
35	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37	( 1.27- 1.48)
Partial Totals									0	0	0	0		

\*prospective study

male

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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)
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)
*29	ENSTRO	15	m	s	c	f	8	8	-	-	-	-	0.92	( 0.80- 1.05)
33	MCGHEE	1	m	h	p	f	2	2	-	-	-	-	1.30	( 0.88- 1.93)
Partial Totals									20	25	48	83		

\*prospective study

female

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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)
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)
*29	ENSTRO	31	f	s	c	f	8	8	-	-	-	-	0.97	( 0.89- 1.06)
33	MCGHEE	2	f	h	p	f	2	2	-	-	-	-	1.39	( 0.95- 2.04)
*34	QURESH	1	f	s	m	b	2	7	-	-	-	-	1.05	( 0.81- 1.38)
*36	WEN	18	f	s	c	f	2	9	-	-	-	-	1.19	( 0.84- 1.67)
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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 18  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 By sex - adjusted

	combined	male	female	Total
Relative risks				
N	6	16	25	47
NS	6	16	25	47
Wt	781.77	1599.62	3561.53	5942.93
Het Chi	2.09	26.63	60.58	128.87
Het df	5	15	24	46
Het P	N.S.	*	***	***
Fixed RR	1.37	1.05	1.09	1.11
RRl	1.27	1.00	1.05	1.08
RRu	1.47	1.11	1.12	1.14
P	+++	+	+++	+++
Random RR	1.37	1.10	1.20	1.19
RRl	1.27	1.00	1.11	1.12
RRu	1.47	1.20	1.31	1.27
P	+++	+	+++	+++
Asymm P	N.S.	N.S.	***	**
Between Chi		35.42	33.46	39.58
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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 19  
 ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 By sex - unadjusted

combined

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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)
30 CHEN	10	c	h	c	n	2	10	-	-	-	-	1.20	( 0.70- 2.20)
31 NISHTA	3	c	s	e	n	1	1	-	-	-	-	2.38	( 1.04- 5.42)
35 TEO	1	c	t	c	n	2	6	-	-	-	-	1.37	( 1.27- 1.48)
Partial Totals								329	1216	99	483		

\*prospective study

male

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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)
*29 ENSTRO	7	m	s	c	f	8	1	-	-	-	-	0.94	( 0.83- 1.07)
33 MCGHEE	5	m	h	p	f	2	0	74	71	285	347	1.27	( 0.88- 1.82)
Partial Totals								473	2181	1676	6442		

\*prospective study

female

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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)
*29 ENSTRO	23	f	s	c	f	8	1	-	-	-	-	1.01	( 0.93- 1.09)
33 MCGHEE	6	f	h	p	f	2	0	113	150	112	195	1.31	( 0.94- 1.84)
*34 QURESH	2	f	s	m	b	2	0	140	1823	79	1209	1.18	( 0.90- 1.53)
*36 WEN	18	f	s	c	f	2	9	-	-	-	-	1.19	( 0.84- 1.67)
Partial Totals								2004	85480	1875	74637		

\*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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 19  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 By sex - unadjusted

	combined	male	female	Total
Relative risks				
N	5	17	26	48
NS	5	17	26	48
Wt	759.65	1668.68	3762.92	6191.25
Het Chi	2.03	23.23	101.75	173.07
Het df	4	16	25	47
Het P	N.S.	N.S.	***	***
Fixed RR	1.37	1.05	1.05	1.09
RRl	1.27	1.00	1.02	1.06
RRu	1.47	1.10	1.09	1.11
P	+++	(+)	++	+++
Random RR	1.37	1.07	1.20	1.17
RRl	1.27	1.00	1.08	1.09
RRu	1.47	1.16	1.32	1.25
P	+++	(+)	+++	+++
Asymm P	N.S.	N.S.	**	*
Between Chi		37.27	42.98	46.06
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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 20  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 By continent - adjusted

NAmerica

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 10														
*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 14														
*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 15														
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 17														
*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 19														
*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 26														
*29	ENSTRO	15	m	s	c	f	8	8	-	-	-	-	0.92 ( 0.80- 1.05)	
*29	ENSTRO	31	f	s	c	f	8	8	-	-	-	-	0.97 ( 0.89- 1.06)	
Subtotal 29														
*34	QURESH	1	f	s	m	b	2	7	-	-	-	-	1.05 ( 0.81- 1.38)	
Partial Totals									48	52	66	106		
*prospective study														

Europe

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 3														
*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 8														
13	LAVECC	11	c	s	c	n	8	8	-	-	-	-	1.21 ( 0.57- 2.52)	
18	TUNSTA	2	c	t	c	n	2	4	-	-	-	-	1.34 ( 1.07- 1.67)	
27	ROENL	4	m	s	c	n	8	8	-	-	-	-	0.98 ( 0.57- 1.69)	
27	ROENL	16	f	s	c	n	8	8	-	-	-	-	2.59 ( 1.27- 5.29)	
Subtotal 27														
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33 ( 0.89- 1.99)	
30	CHEN	10	c	h	c	n	2	10	-	-	-	-	1.20 ( 0.70- 2.20)	
Partial Totals									0	0	0	0		
*prospective study														

Asia

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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)	
31	NISHTA	3	c	s	e	n	1	1	-	-	-	-	2.38 ( 1.04- 5.42)	
33	MCGHEE	1	m	h	p	f	2	2	-	-	-	-	1.30 ( 0.88- 1.93)	
33	MCGHEE	2	f	h	p	f	2	2	-	-	-	-	1.39 ( 0.95- 2.04)	
Subtotal 33														
*36	WEN	18	f	s	c	f	2	9	-	-	-	-	1.19 ( 0.84- 1.67)	
Partial Totals									63	100	137	300		
*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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 20  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 By continent - adjusted

Other

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 9														
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 12														
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 22														
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 23														
35	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37 ( 1.27-	1.48)
Partial Totals									0	0	0	0		

\*prospective study

Relative risks	NAmerica		Europe	Asia	Other	Total
		N	21	10	7	9
	NS	14	7	6	5	32
	Wt	4809.74	180.73	216.19	736.26	5942.93
	Het Chi	46.72	7.68	4.13	18.19	128.87
	Het df	20	9	6	8	46
	Het P	***	N.S.	N.S.	*	***
	Fixed RR	1.06	1.33	1.28	1.37	1.11
	RRl	1.03	1.15	1.12	1.28	1.08
	RRu	1.09	1.54	1.46	1.47	1.14
	P	+++	+++	+++	+++	+++
	Random RR	1.10	1.33	1.28	1.43	1.19
	RRl	1.03	1.15	1.12	1.11	1.12
	RRu	1.16	1.54	1.46	1.85	1.27
	P	++	+++	+++	++	+++
	Asymm P	*	N.S.	**	N.S.	**
	Between Chi		8.64	7.11	41.48	52.15
	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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 21  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 By continent - unadjusted

NAmerica

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 10													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 14													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 15													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 17													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 19													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 26													1.17	( 1.09-	1.26)
*29	ENSTRO	7	m	s	c	f	8	1	-	-	-	-	0.94	( 0.83-	1.07)
*29	ENSTRO	23	f	s	c	f	8	1	-	-	-	-	1.01	( 0.93-	1.09)
Subtotal 29													0.99	( 0.93-	1.06)
*34	QURESH	2	f	s	m	b	2	0	140	1823	79	1209	1.18	( 0.90-	1.53)
Partial Totals									1440	16720	1777	55518			
*prospective study															

Europe

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 3													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 8													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 13													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 27													1.38	( 0.93-	2.07)
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89-	1.99)
30	CHEN	10	c	h	c	n	2	10	-	-	-	-	1.20	( 0.70-	2.20)
Partial Totals									471	1597	413	1251			
*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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 21  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 By continent - unadjusted

Asia

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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)
31 NISHTA 3		c	s	e	n	1	1	-	-	-	-	2.38	( 1.04- 5.42)
33 MCGHEE 5		m	h	p	f	2	0	74	71	285	347	1.27	( 0.88- 1.82)
33 MCGHEE 6		f	h	p	f	2	0	113	150	112	195	1.31	( 0.94- 1.84)
Subtotal 33												1.29	( 1.01- 1.65)
*36 WEN 18		f	s	c	f	2	9	-	-	-	-	1.19	( 0.84- 1.67)
Partial Totals								702	70061	691	22850		

\*prospective study

Other

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 9												1.94	( 0.91- 4.13)
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 12												1.39	( 0.99- 1.93)
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 22												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 23												1.08	( 0.81- 1.45)
35 TEO 1		c	t	c	n	2	6	-	-	-	-	1.37	( 1.27- 1.48)
Partial Totals								193	499	769	1943		

\*prospective study

Relative risks	NAmerica	Europe	Asia	Other	Total
	N 21	11	7	9	48
	NS 14	7	6	5	32
	Wt 5022.16	169.85	236.30	762.94	6191.25
	Het Chi 79.34	5.55	13.72	16.20	173.07
	Het df 20	10	6	8	47
	Het P ***	N.S.	*	*	***
	Fixed RR 1.04	1.32	1.24	1.35	1.09
	RRl 1.01	1.14	1.09	1.26	1.06
	RRu 1.07	1.54	1.40	1.45	1.11
	P +	+++	++	+++	+++
	Random RR 1.07	1.32	1.34	1.31	1.17
	RRl 0.99	1.14	1.09	1.06	1.09
	RRu 1.14	1.54	1.66	1.62	1.25
	P (+)	+++	++	+	+++
	Asymm P N.S.	N.S.	**	N.S.	*
	Between Chi	9.85	7.00	46.86	58.26
	Between df	1	1	1	3
	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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)



Table 22  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 By publication year (grouped) - adjusted

1984-88

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 3												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	Number 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 8												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 9												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 10												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 12												1.72 ( 1.15- 2.59)	
13 LAVECC	11	c	s	c	n	8	8	-	-	-	-	1.21 ( 0.57- 2.52)	
Partial Totals								0	0	0	0		

\*prospective study

1993-96

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 14												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 15												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 17												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 19												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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 22  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 By publication year (grouped) - adjusted

1997-00

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 22								-	-	-	-	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 23								-	-	-	-	1.10	( 0.79- 1.53)
25	HE 2	f	s	e	n	2	6	-	-	-	-	1.60	( 0.94- 2.90)
Partial Totals								63	100	137	300		

\*prospective study

2001-

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Exposed		Non-exposed		RR	95.00%CI
								Case	Cont	Case	Cont		
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 26								-	-	-	-	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 27								-	-	-	-	1.40	( 0.91- 2.16)
28	PITSAV 9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
*29	ENSTRO 15	m	s	c	f	8	8	-	-	-	-	0.92	( 0.80- 1.05)
*29	ENSTRO 31	f	s	c	f	8	8	-	-	-	-	0.97	( 0.89- 1.06)
Subtotal 29								-	-	-	-	0.96	( 0.89- 1.03)
30	CHEN 10	c	h	c	n	2	10	-	-	-	-	1.20	( 0.70- 2.20)
31	NISHTA 3	c	s	e	n	1	1	-	-	-	-	2.38	( 1.04- 5.42)
33	MCGHEE 1	m	h	p	f	2	2	-	-	-	-	1.30	( 0.88- 1.93)
33	MCGHEE 2	f	h	p	f	2	2	-	-	-	-	1.39	( 0.95- 2.04)
Subtotal 33								-	-	-	-	1.35	( 1.02- 1.77)
*34	QURESH 1	f	s	m	b	2	7	-	-	-	-	1.05	( 0.81- 1.38)
35	TEO 1	c	t	c	n	2	6	-	-	-	-	1.37	( 1.27- 1.48)
*36	WEN 18	f	s	c	f	2	9	-	-	-	-	1.19	( 0.84- 1.67)
Partial Totals								0	0	0	0		

\*prospective study

		1984-88	1989-92	1993-96	1997-00	2001-	Total
Relative risks							
	N	7	10	9	7	14	47
	NS	6	6	5	5	10	32
	Wt	132.57	364.83	3016.01	99.15	2330.36	5942.93
	Het Chi	6.31	13.73	14.83	9.45	56.52	128.87
	Het df	6	9	8	6	13	46
	Het P	N.S.	N.S.	(*)	N.S.	***	***
	Fixed RR	1.24	1.30	1.05	1.32	1.16	1.11
	RRl	1.05	1.17	1.01	1.09	1.11	1.08
	RRu	1.47	1.44	1.08	1.61	1.21	1.14
	P	+	+++	+	++	+++	+++
	Random RR	1.26	1.41	1.07	1.37	1.17	1.19
	RRl	1.04	1.18	1.00	1.06	1.05	1.12
	RRu	1.52	1.68	1.14	1.77	1.31	1.27
	P	+	+++	+	+	++	+++
	Asymm P	N.S.	(*)	N.S.	N.S.	N.S.	**
	Between Chi		0.19	3.64	0.24	0.58	28.02
	Between df		1	1	1	1	4
	Between P		N.S.	(-)	N.S.	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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 23  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 By publication year (grouped) - unadjusted

1984-88

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 3											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	Number 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 8											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 9											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 10											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 12											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 13											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	Number 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 14											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 15											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 17											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 19											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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 23  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 By publication year (grouped) - unadjusted

1997-00

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 22												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 23												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)
Partial Totals								267	561	667	1664		

\*prospective study

2001-

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Exposed		Non-exposed		RR	95.00%CI
								Case	Cont	Case	Cont		
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 26												1.17	( 1.09- 1.26)
27	ROENL 3	m	s	c	n	8	0	27	51	141	285	1.07	( 0.64- 1.78)
27	ROENL 15	f	s	c	n	8	0	21	24	59	144	2.14	( 1.10- 4.13)
Subtotal 27												1.38	( 0.93- 2.07)
28	PITSAV 9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
*29	ENSTRO 7	m	s	c	f	8	1	-	-	-	-	0.94	( 0.83- 1.07)
*29	ENSTRO 23	f	s	c	f	8	1	-	-	-	-	1.01	( 0.93- 1.09)
Subtotal 29												0.99	( 0.93- 1.06)
30	CHEN 10	c	h	c	n	2	10	-	-	-	-	1.20	( 0.70- 2.20)
31	NISHTA 3	c	s	e	n	1	1	-	-	-	-	2.38	( 1.04- 5.42)
33	MCGHEE 5	m	h	p	f	2	0	74	71	285	347	1.27	( 0.88- 1.82)
33	MCGHEE 6	f	h	p	f	2	0	113	150	112	195	1.31	( 0.94- 1.84)
Subtotal 33												1.29	( 1.01- 1.65)
*34	QURESH 2	f	s	m	b	2	0	140	1823	79	1209	1.18	( 0.90- 1.53)
35	TEO 1	c	t	c	n	2	6	-	-	-	-	1.37	( 1.27- 1.48)
*36	WEN 18	f	s	c	f	2	9	-	-	-	-	1.19	( 0.84- 1.67)
Partial Totals								375	2119	676	2180		

\*prospective study

		1984-88	1989-92	1993-96	1997-00	2001-	Total
Relative risks							
	N	7	11	9	7	14	48
	NS	6	6	5	5	10	32
	Wt	136.77	439.28	3012.65	119.63	2482.93	6191.25
	Het Chi	7.64	50.47	13.71	16.09	48.67	173.07
	Het df	6	10	8	6	13	47
	Het P	N.S.	***	(*)	*	***	***
	Fixed RR	1.12	0.90	1.04	1.35	1.16	1.09
	RRl	0.95	0.82	1.01	1.13	1.12	1.06
	RRu	1.32	0.99	1.08	1.61	1.21	1.11
	P	N.S.	-	+	++	+++	+++
	Random RR	1.20	1.30	1.06	1.40	1.18	1.17
	RRl	0.95	0.96	1.00	1.03	1.07	1.09
	RRu	1.53	1.74	1.13	1.89	1.31	1.25
	P	N.S.	(+)	(+)	+	+++	+++
	Asymm P	N.S.	**	N.S.	N.S.	N.S.	*
	Between Chi		4.71	0.60	2.20	0.20	36.49
	Between df		1	1	1	1	4
	Between P		-	N.S.	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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 24  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 By number of heart disease cases (grouped) - adjusted

1-99

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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)	
31 NISHTA 3		c	s	e	n	1	1	-	-	-	-	2.38 ( 1.04- 5.42)	
Partial Totals								0	0	0	0		

\*prospective study

100-199

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 3												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 8												1.70 ( 1.10- 2.63)	
13 LAVECC 11		c	s	c	n	8	8	-	-	-	-	1.21 ( 0.57- 2.52)	
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 17												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	Number 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 9												1.20 ( 0.98- 1.46)	
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 12												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 22												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 23												1.10 ( 0.79- 1.53)	
27 ROENL 4		m	s	c	n	8	8	-	-	-	-	0.98 ( 0.57- 1.69)	
27 ROENL 16		f	s	c	n	8	8	-	-	-	-	2.59 ( 1.27- 5.29)	
Subtotal 27												1.40 ( 0.91- 2.16)	
28 PITSAV 9		c	h	c	n	a	6	-	-	-	-	1.33 ( 0.89- 1.99)	
30 CHEN 10		c	h	c	n	2	10	-	-	-	-	1.20 ( 0.70- 2.20)	
33 MCGHEE 1		m	h	p	f	2	2	-	-	-	-	1.30 ( 0.88- 1.93)	
33 MCGHEE 2		f	h	p	f	2	2	-	-	-	-	1.39 ( 0.95- 2.04)	
Subtotal 33												1.35 ( 1.02- 1.77)	
*34 QURESH 1		f	s	m	b	2	7	-	-	-	-	1.05 ( 0.81- 1.38)	
*36 WEN 18		f	s	c	f	2	9	-	-	-	-	1.19 ( 0.84- 1.67)	
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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 24

ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
By number of heart disease cases (grouped) - adjusted

1000+

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 10													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 14													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 15													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 19													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 26													1.17	( 1.09-	1.26)
*29	ENSTRO	15	m	s	c	f	8	8	-	-	-	-	0.92	( 0.80-	1.05)
*29	ENSTRO	31	f	s	c	f	8	8	-	-	-	-	0.97	( 0.89-	1.06)
Subtotal 29													0.96	( 0.89-	1.03)
35	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37	( 1.27-	1.48)
Partial Totals									0	0	0	0			
*prospective study															

Relative risks		1-99	100-199	200-999	1000+	Total
		N	6	9	19	13
NS		6	6	13	7	32
	Wt	47.90	82.70	466.19	5346.14	5942.93
	Het Chi	2.02	3.49	26.98	72.17	128.87
	Het df	5	8	18	12	46
	Het P	N.S.	N.S.	(*)	***	***
	Fixed RR	1.78	1.38	1.26	1.09	1.11
	RRl	1.34	1.11	1.16	1.06	1.08
	RRu	2.36	1.71	1.39	1.12	1.14
	P	+++	++	+++	+++	+++
	Random RR	1.78	1.38	1.30	1.10	1.19
	RRl	1.34	1.11	1.15	1.02	1.12
	RRu	2.36	1.71	1.46	1.18	1.27
	P	+++	++	+++	++	+++
	Asymm P	N.S.	N.S.	N.S.	N.S.	**
	Between Chi		1.96	5.09	11.41	24.23
	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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 25  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 By study type - adjusted

case-control

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 3												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 9												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 12												1.72 ( 1.15- 2.59)	
13 LAVECC 11		c	s	c	n	8	8	-	-	-	-	1.21 ( 0.57- 2.52)	
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 14												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 17												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 22												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 23												1.10 ( 0.79- 1.53)	
25 HE 2		f	s	e	n	2	6	-	-	-	-	1.60 ( 0.94- 2.90)	
27 ROENL 4		m	s	c	n	8	8	-	-	-	-	0.98 ( 0.57- 1.69)	
27 ROENL 16		f	s	c	n	8	8	-	-	-	-	2.59 ( 1.27- 5.29)	
Subtotal 27												1.40 ( 0.91- 2.16)	
28 PITSAV 9		c	h	c	n	a	6	-	-	-	-	1.33 ( 0.89- 1.99)	
31 NISHTA 3		c	s	e	n	1	1	-	-	-	-	2.38 ( 1.04- 5.42)	
33 MCGHEE 1		m	h	p	f	2	2	-	-	-	-	1.30 ( 0.88- 1.93)	
33 MCGHEE 2		f	h	p	f	2	2	-	-	-	-	1.39 ( 0.95- 2.04)	
Subtotal 33												1.35 ( 1.02- 1.77)	
35 TEO 1		c	t	c	n	2	6	-	-	-	-	1.37 ( 1.27- 1.48)	
Partial Totals								111	152	203	406		

\*prospective study

prospective

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 8												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 10												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 15												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 19												1.16 ( 1.05- 1.28)	
*21 KAWACH 11		f	h	c	b	2	15	-	-	-	-	1.53 ( 0.81- 2.90)	
*29 ENSTRO 15		m	s	c	f	8	8	-	-	-	-	0.92 ( 0.80- 1.05)	
*29 ENSTRO 31		f	s	c	f	8	8	-	-	-	-	0.97 ( 0.89- 1.06)	
Subtotal 29												0.96 ( 0.89- 1.03)	
*34 QURESH 1		f	s	m	b	2	7	-	-	-	-	1.05 ( 0.81- 1.38)	
*36 WEN 18		f	s	c	f	2	9	-	-	-	-	1.19 ( 0.84- 1.67)	
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), in the past (p)  
 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD  
 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 25  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 By study type - adjusted

crosssectional

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 26													1.17	( 1.09-	1.26)
30	CHEN	10	c	h	c	n	2	10	-	-	-	-	1.20	( 0.70-	2.20)
Partial Totals									0	0	0	0			

\*prospective study

Relative risks		case-cont	prospecti	crosssect	Total
	N	24	18	5	47
	NS	15	13	4	32
	Wt	1113.93	3969.44	859.56	5942.93
	Het Chi	44.30	36.30	5.69	128.87
	Het df	23	17	4	46
	Het P	**	**	N.S.	***
Fixed	RR	1.29	1.05	1.20	1.11
	RRl	1.22	1.02	1.12	1.08
	RRu	1.37	1.08	1.28	1.14
	P	+++	++	+++	+++
Random	RR	1.30	1.10	1.21	1.19
	RRl	1.15	1.03	1.10	1.12
	RRu	1.47	1.17	1.33	1.27
	P	+++	++	+++	+++
Asymm	P	N.S.	**	N.S.	**
Between	Chi		37.17	2.78	42.58
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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)



Table 26

ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
By total number of confounders considered in the study (grouped) - adjusted

0-2

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 3												1.13 ( 0.94- 1.37)	
*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 14												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 15												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)	
31 NISHTA	3	c	s	e	n	1	1	-	-	-	-	2.38 ( 1.04- 5.42)	
33 MCGHEE	1	m	h	p	f	2	2	-	-	-	-	1.30 ( 0.88- 1.93)	
33 MCGHEE	2	f	h	p	f	2	2	-	-	-	-	1.39 ( 0.95- 2.04)	
Subtotal 33												1.35 ( 1.02- 1.77)	
Partial Totals								63	100	137	300		

\*prospective study

3-4

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 10												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 12												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 17												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 23												1.10 ( 0.79- 1.53)	
Partial Totals								48	52	66	106		

\*prospective study

5+

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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)	
*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 8												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 9												1.80 ( 0.84- 3.87)	
13 LAVECC	11	c	s	c	n	8	8	-	-	-	-	1.21 ( 0.57- 2.52)	
*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 19												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 22												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 26												1.17 ( 1.09- 1.26)	

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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 26

ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
By total number of confounders considered in the study (grouped) - adjusted

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Exposed		Non-exposed		RR	95.00%CI		
									Case	Cont	Case	Cont				
27	ROSEN	4	m	s	c	n	8	8	-	-	-	-	0.98	( 0.57-	1.69)	
27	ROSEN	16	f	s	c	n	8	8	-	-	-	-	2.59	( 1.27-	5.29)	
Subtotal 27													1.40	( 0.91-	2.16)	
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89-	1.99)	
*29	ENSTRO	15	m	s	c	f	8	8	-	-	-	-	0.92	( 0.80-	1.05)	
*29	ENSTRO	31	f	s	c	f	8	8	-	-	-	-	0.97	( 0.89-	1.06)	
Subtotal 29													0.96	( 0.89-	1.03)	
30	CHEN	10	c	h	c	n	2	10	-	-	-	-	1.20	( 0.70-	2.20)	
*34	QURESH	1	f	s	m	b	2	7	-	-	-	-	1.05	( 0.81-	1.38)	
35	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37	( 1.27-	1.48)	
*36	WEN	18	f	s	c	f	2	9	-	-	-	-	1.19	( 0.84-	1.67)	
Partial Totals									0	0	0	0				
*prospective study																
Relative risks									0-2	3-4	5+	Total				
									N	12	10	25	47			
									NS	8	6	18	32			
									Wt	2710.86	457.35	2774.72	5942.93			
									Het Chi	14.11	16.65	69.73	128.87			
									Het df	11	9	24	46			
									Het P	N.S.	(*)	***	***			
									Fixed RR	1.03	1.27	1.17	1.11			
									RRl	1.00	1.16	1.12	1.08			
									RRu	1.07	1.39	1.21	1.14			
									P	(+)	+++	+++	+++			
									Random RR	1.05	1.32	1.21	1.19			
									RRl	0.99	1.13	1.11	1.12			
									RRu	1.12	1.55	1.33	1.27			
									P	N.S.	+++	+++	+++			
									Asymm P	*	N.S.	N.S.	**			
									Between Chi		16.27	19.72	28.38			
									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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 27

ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
By any study results available on dose-response or not - adjusted

none

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 10												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 12												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 23												1.10 ( 0.79- 1.53)	
*34 QURESH 1		f	s	m	b	2	7	-	-	-	-	1.05 ( 0.81- 1.38)	
Partial Totals								0	0	0	0		
*prospective study													

results given

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 3												1.13 ( 0.94- 1.37)	
*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 8												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 9												1.80 ( 0.84- 3.87)	
13 LAVECC 11		c	s	c	n	8	8	-	-	-	-	1.21 ( 0.57- 2.52)	
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 14												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 15												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 17												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 19												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 22												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 26												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 27												1.40 ( 0.91- 2.16)	
28 PITSAV 9		c	h	c	n	a	6	-	-	-	-	1.33 ( 0.89- 1.99)	
*29 ENSTRO 15		m	s	c	f	8	8	-	-	-	-	0.92 ( 0.80- 1.05)	
*29 ENSTRO 31		f	s	c	f	8	8	-	-	-	-	0.97 ( 0.89- 1.06)	
Subtotal 29												0.96 ( 0.89- 1.03)	
30 CHEN 10		c	h	c	n	2	10	-	-	-	-	1.20 ( 0.70- 2.20)	
31 NISHTA 3		c	s	e	n	1	1	-	-	-	-	2.38 ( 1.04- 5.42)	
33 MCGHEE 1		m	h	p	f	2	2	-	-	-	-	1.30 ( 0.88- 1.93)	

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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 27

ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 By any study results available on dose-response or not - adjusted

results given

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Exposed		Non-exposed		RR	95.00%CI
								Case	Cont	Case	Cont		
33	MCGHEE	2	f	h	p	f	2	2	-	-	-	-	1.39 ( 0.95- 2.04)
Subtotal 33													1.35 ( 1.02- 1.77)
35	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37 ( 1.27- 1.48)
*36	WEN	18	f	s	c	f	2	9	-	-	-	-	1.19 ( 0.84- 1.67)
Partial Totals									111	152	203	406	
*prospective study													

Relative risks	none	no assoc	sig assc	results g	Total
	N	11		36	47
	NS	8		24	32
	Wt	431.09		5511.84	5942.93
	Het Chi	21.68		101.65	128.87
	Het df	10		35	46
	Het P	*		***	***
Fixed	RR	1.24		1.10	1.11
	RRl	1.13		1.07	1.08
	RRu	1.36		1.13	1.14
	P	+++		+++	+++
Random	RR	1.33		1.17	1.19
	RRl	1.11		1.09	1.12
	RRu	1.60		1.24	1.27
	P	++		+++	+++
Asymm	P	N.S.		*	**
Between	Chi			5.54	5.54
Between	df			1	1
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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 28  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 By spouse the index or not - adjusted

								Number Exposed		Non-exposed		RR	95.00%CI	
StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Case	Cont	Case			Cont
Yes														
*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 3													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	11	c	s	c	n	8	8	-	-	-	-	1.21 ( 0.57- 2.52)	
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 14													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 15													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 17													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 19													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 22													1.47 ( 0.89- 2.42)	
25	HE	2	f	s	e	n	2	6	-	-	-	-	1.60 ( 0.94- 2.90)	
27	ROENL	4	m	s	c	n	8	8	-	-	-	-	0.98 ( 0.57- 1.69)	
27	ROENL	16	f	s	c	n	8	8	-	-	-	-	2.59 ( 1.27- 5.29)	
Subtotal 27													1.40 ( 0.91- 2.16)	
*29	ENSTRO	15	m	s	c	f	8	8	-	-	-	-	0.92 ( 0.80- 1.05)	
*29	ENSTRO	31	f	s	c	f	8	8	-	-	-	-	0.97 ( 0.89- 1.06)	
Subtotal 29													0.96 ( 0.89- 1.03)	
31	NISHTA	3	c	s	e	n	1	1	-	-	-	-	2.38 ( 1.04- 5.42)	
*34	QURESH	1	f	s	m	b	2	7	-	-	-	-	1.05 ( 0.81- 1.38)	
*36	WEN	18	f	s	c	f	2	9	-	-	-	-	1.19 ( 0.84- 1.67)	
Partial Totals									111	152	203	406		
*prospective study														

								Number Exposed		Non-exposed		RR	95.00%CI
StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Case	Cont	Case		
No													
*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 8													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 9													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 10													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 12													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 23													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 26													1.17 ( 1.09- 1.26)
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33 ( 0.89- 1.99)
30	CHEN	10	c	h	c	n	2	10	-	-	-	-	1.20 ( 0.70- 2.20)

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), in the past (p)  
 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD  
 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 28  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 By spouse the index or not - adjusted

No								Number Exposed		Non-exposed				
StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Case	Cont	Case	Cont	RR	95.00%CI
33	MCGHEE	1	m	h	p	f	2	2	-	-	-	-	1.30	( 0.88- 1.93)
33	MCGHEE	2	f	h	p	f	2	2	-	-	-	-	1.39	( 0.95- 2.04)
Subtotal 33													1.35	( 1.02- 1.77)
35	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37	( 1.27- 1.48)
Partial Totals									0	0	0	0		
*prospective study														

Relative risks		Yes	No	Total
	N	28	19	47
	NS	20	12	32
	Wt	3973.25	1969.68	5942.93
Het	Chi	46.71	30.50	128.87
Het	df	27	18	46
Het	P	*	*	***
Fixed	RR	1.04	1.27	1.11
	RRL	1.01	1.21	1.08
	RRu	1.07	1.33	1.14
	P	+	+++	+++
Random	RR	1.09	1.28	1.19
	RRL	1.02	1.19	1.12
	RRu	1.16	1.39	1.27
	P	++	+++	+++
Asymm	P	***	N.S.	**
Between	Chi		51.67	51.67
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), in the past (p)  
 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD  
 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 29  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 By heart disease type 1 - adjusted

Fatal

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 8														
*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 10														
*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 14														
*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 15														
*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 19														
*29	ENSTRO	15	m	s	c	f	8	8	-	-	-	-	0.92	( 0.80- 1.05)
*29	ENSTRO	31	f	s	c	f	8	8	-	-	-	-	0.97	( 0.89- 1.06)
Subtotal 29														
33	MCGHEE	1	m	h	p	f	2	2	-	-	-	-	1.30	( 0.88- 1.93)
33	MCGHEE	2	f	h	p	f	2	2	-	-	-	-	1.39	( 0.95- 2.04)
Subtotal 33														
*36	WEN	18	f	s	c	f	2	9	-	-	-	-	1.19	( 0.84- 1.67)
Partial Totals									0	0	0	0		
*prospective study														

Nonfatal

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 3														
4	MARTIN	1	f	s	e	n	2	6	-	-	-	-	2.60	( 1.20- 5.70)
13	LAVECC	11	c	s	c	n	8	8	-	-	-	-	1.21	( 0.57- 2.52)
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 17														
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 22														
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 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 27														
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
30	CHEN	10	c	h	c	n	2	10	-	-	-	-	1.20	( 0.70- 2.20)
31	NISHTA	3	c	s	e	n	1	1	-	-	-	-	2.38	( 1.04- 5.42)
35	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37	( 1.27- 1.48)
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), in the past (p)  
 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD  
 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 29

ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
By heart disease type 1 - adjusted

Both

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 9													1.67	( 1.09- 2.56)
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 12													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 23													1.10	( 0.79- 1.53)
*34	QURESH	1	f	s	m	b	2	7	-	-	-	-	1.05	( 0.81- 1.38)
Partial Totals									0	0	0	0		
*prospective study														

Relative risks		Fatal	Nonfatal	Both	Total
	N	19	19	9	47
	NS	12	14	6	32
	Wt	4139.03	1661.32	142.57	5942.93
	Het Chi	36.35	22.52	20.95	128.87
	Het df	18	18	8	46
	Het P	**	N.S.	**	***
Fixed	RR	1.05	1.28	1.26	1.11
	RRl	1.02	1.22	1.07	1.08
	RRu	1.08	1.34	1.49	1.14
	P	++	+++	++	+++
Random	RR	1.09	1.28	1.41	1.19
	RRl	1.02	1.19	1.05	1.12
	RRu	1.15	1.38	1.90	1.27
	P	++	+++	+	+++
Asymm	P	**	N.S.	N.S.	**
Between	Chi		46.65	4.88	49.05
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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)



Table 30  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 By heart disease type 2 - adjusted

IHD								Number 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 3								-	-	-	-	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 14								-	-	-	-	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 19								-	-	-	-	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	ENSTRO	15	m	s	c	f	8	8	-	-	-	-	0.92 ( 0.80- 1.05)		
*29	ENSTRO	31	f	s	c	f	8	8	-	-	-	-	0.97 ( 0.89- 1.06)		
Subtotal 29								-	-	-	-	0.96 ( 0.89- 1.03)			
30	CHEN	10	c	h	c	n	2	10	-	-	-	-	1.20 ( 0.70- 2.20)		
31	NISHTA	3	c	s	e	n	1	1	-	-	-	-	2.38 ( 1.04- 5.42)		
33	MCGHEE	1	m	h	p	f	2	2	-	-	-	-	1.30 ( 0.88- 1.93)		
33	MCGHEE	2	f	h	p	f	2	2	-	-	-	-	1.39 ( 0.95- 2.04)		
Subtotal 33								-	-	-	-	1.35 ( 1.02- 1.77)			
Partial Totals								63	100	137	300				

\*prospective study

MI								Number 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	11	c	s	c	n	8	8	-	-	-	-	1.21 ( 0.57- 2.52)		
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 17								-	-	-	-	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 22								-	-	-	-	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 23								-	-	-	-	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 27								-	-	-	-	1.40 ( 0.91- 2.16)			
35	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37 ( 1.27- 1.48)		
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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
- 4) UNX Unexposed to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)



Table 31  
ETS and Heart Disease - Meta-Analysis of Workplace Exposure, 21-DEC-06  
 Workers only, if available  
 Overall - adjusted

Overall

StN	Ref	NRR	SEX	WKS	TIM	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
3	LEE	6	m	w	e	2	1	-	-	-	-	0.66 (	0.26- 1.66)
3	LEE	8	f	w	e	2	1	-	-	-	-	0.69 (	0.26- 1.87)
Subtotal 3													
*5	SVENDS	3	m	a	c	2	2	-	-	-	-	1.40 (	0.80- 2.50)
9	JACKSO	8	m	a	c	2	2	-	-	-	-	1.80 (	0.94- 3.46)
9	JACKSO	6	f	a	c	2	2	-	-	-	-	1.55 (	0.48- 5.03)
Subtotal 9													
12	DOBSON	8	m	w	c	2	2	-	-	-	-	0.95 (	0.51- 1.78)
12	DOBSON	6	f	w	c	2	2	-	-	-	-	0.66 (	0.17- 2.62)
Subtotal 12													
17	MUSCAT	4	m	a	e	2	3	-	-	-	-	1.20 (	0.60- 2.20)
17	MUSCAT	6	f	w	e	2	3	-	-	-	-	1.00 (	0.40- 2.50)
Subtotal 17													
*19	STEENL	28	m	w	c	1	12	-	-	-	-	1.03 (	0.89- 1.19)
*19	STEENL	29	f	w	c	1	13	-	-	-	-	1.06 (	0.84- 1.34)
Subtotal 19													
*21	KAWACH	8	f	w	c	2	15	-	-	-	-	1.68 (	0.81- 3.47)
25	HE	22	f	w	e	2	6	-	-	-	-	1.85 (	0.86- 4.00)
27	ROSENL	8	m	a	e	2	8	-	-	-	-	1.14 (	0.78- 1.67)
27	ROSENL	20	f	a	e	2	8	-	-	-	-	0.94 (	0.59- 1.50)
Subtotal 27													
28	PITSAV	8	c	a	c	a	6	-	-	-	-	1.97 (	1.16- 3.34)
30	CHEN	9	c	w	c	2	10	-	-	-	-	1.70 (	0.90- 3.20)
*36	WEN	20	f	a	e	2	9	-	-	-	-	1.21 (	0.74- 2.01)
Partial Totals								0	0	0	0		

\*prospective study

StN	Ref	NRR	SEX	WKS	TIM	UNX	ADJ	Ys	Ws	Qs	Ps
3	LEE	6	m	w	e	2	1	-0.42	4.47	1.23	0.3796
3	LEE	8	f	w	e	2	1	-0.37	3.95	0.91	0.4610
Subtotal 3											
*5	SVENDS	3	m	a	c	2	2	0.34	11.84	0.61	0.2470
9	JACKSO	8	m	a	c	2	2	0.59	9.05	2.07	0.0770
9	JACKSO	6	f	a	c	2	2	0.44	2.78	0.30	0.4646
Subtotal 9											
12	DOBSON	8	m	w	c	2	2	-0.05	9.83	0.25	0.8722
12	DOBSON	6	f	w	c	2	2	-0.42	2.05	0.57	0.5515
Subtotal 12											
17	MUSCAT	4	m	a	e	2	3	0.18	9.10	0.05	0.5823
17	MUSCAT	6	f	w	e	2	3	0.00	4.58	0.05	1.0000
Subtotal 17											
*19	STEENL	28	m	w	c	1	12	0.03	182.10	1.16	0.6900
*19	STEENL	29	f	w	c	1	13	0.06	70.45	0.18	0.6248
Subtotal 19											
*21	KAWACH	8	f	w	c	2	15	0.52	7.26	1.22	0.1622
25	HE	22	f	w	e	2	6	0.62	6.50	1.66	0.1167
27	ROSENL	8	m	a	e	2	8	0.13	26.51	0.01	0.4999
27	ROSENL	20	f	a	e	2	8	-0.06	17.65	0.52	0.7949
Subtotal 27											
28	PITSAV	8	c	a	c	a	6	0.68	13.74	4.44	0.0120
30	CHEN	9	c	w	c	2	10	0.53	9.55	1.70	0.1011
*36	WEN	20	f	a	e	2	9	0.19	15.39	0.10	0.4546

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 Within each study, results are included (in the following order of preference) for:  
 1) WKS Working status = all (a), workers only (w); 2) TIM Time of exposure = current (c), ever (e)  
 3) UNX Unexposed to any ETS (1), to ETS type (2); low exp to any ETS (3), to ETS type (4);  
 never exposed to ETS type (8), unexposed to hh/work ETS (a)  
 4) HD type: (CVD)-(Stroke) in preference to CVD



Table 32  
ETS and Heart Disease - Meta-Analysis of Workplace Exposure, 21-DEC-06  
 Workers only, if available  
 Overall - unadjusted

Overall

StN	Ref	NRR	SEX	WKS	TIM	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
3	LEE	5	m	w	e	2	0	13	58	17	40	0.53 (	0.23- 1.21)
3	LEE	7	f	w	e	2	0	6	45	30	113	0.50 (	0.20- 1.29)
Subtotal 3													
*5	SVENDS	3	m	a	c	2	2	-	-	-	-	1.40 (	0.80- 2.50)
9	JACKSO	7	m	a	c	2	0	-	-	-	-	1.50 (	0.80- 3.00)
9	JACKSO	5	f	a	c	2	0	-	-	-	-	2.20 (	0.70- 7.40)
Subtotal 9													
12	DOBSON	7	m	w	c	2	0	27	79	48	126	0.90 (	0.52- 1.55)
12	DOBSON	5	f	w	c	2	0	5	73	12	124	0.71 (	0.24- 2.09)
Subtotal 12													
17	MUSCAT	3	m	a	e	2	0	44	66	24	42	1.17 (	0.62- 2.19)
17	MUSCAT	5	f	w	e	2	0	20	22	15	16	0.97 (	0.38- 2.46)
Subtotal 17													
*19	STEENL	28	m	w	c	1	12	-	-	-	-	1.03 (	0.89- 1.19)
*19	STEENL	29	f	w	c	1	13	-	-	-	-	1.06 (	0.84- 1.34)
Subtotal 19													
*21	KAWACH	8	f	w	c	2	15	-	-	-	-	1.68 (	0.81- 3.47)
25	HE	21	f	w	e	2	0	33	43	26	83	2.45 (	1.30- 4.61)
27	ROSENL	7	m	a	e	2	0	126	254	68	145	1.06 (	0.74- 1.51)
27	ROSENL	19	f	a	e	2	0	68	143	57	120	1.00 (	0.65- 1.54)
Subtotal 27													
28	PITSAV	8	c	a	c	a	6	-	-	-	-	1.97 (	1.16- 3.34)
30	CHEN	9	c	w	c	2	10	-	-	-	-	1.70 (	0.90- 3.20)
*36	WEN	20	f	a	e	2	9	-	-	-	-	1.21 (	0.74- 2.01)
Partial Totals								342	783	297	809		

\*prospective study

StN	Ref	NRR	SEX	WKS	TIM	UNX	ADJ	Ys	Ws	Qs	Ps
3	LEE	5	m	w	e	2	0	-0.64	5.62	3.09	0.1294
3	LEE	7	f	w	e	2	0	-0.69	4.33	2.70	0.1519
Subtotal 3											
*5	SVENDS	3	m	a	c	2	2	0.34	11.84	0.65	0.2470
9	JACKSO	7	m	a	c	2	0	0.41	8.80	0.81	0.2292
9	JACKSO	5	f	a	c	2	0	0.79	2.76	1.30	0.1900
Subtotal 9											
12	DOBSON	7	m	w	c	2	0	-0.11	12.74	0.56	0.6984
12	DOBSON	5	f	w	c	2	0	-0.35	3.28	0.66	0.5315
Subtotal 12											
17	MUSCAT	3	m	a	e	2	0	0.15	9.68	0.03	0.6316
17	MUSCAT	5	f	w	e	2	0	-0.03	4.45	0.08	0.9482
Subtotal 17											
*19	STEENL	28	m	w	c	1	12	0.03	182.10	0.94	0.6900
*19	STEENL	29	f	w	c	1	13	0.06	70.45	0.13	0.6248
Subtotal 19											
*21	KAWACH	8	f	w	c	2	15	0.52	7.26	1.26	0.1622
25	HE	21	f	w	e	2	0	0.90	9.61	6.07	0.0055
27	ROSENL	7	m	a	e	2	0	0.06	29.87	0.06	0.7588
27	ROSENL	19	f	a	e	2	0	0.00	21.02	0.21	0.9960
Subtotal 27											
28	PITSAV	8	c	a	c	a	6	0.68	13.74	4.57	0.0120
30	CHEN	9	c	w	c	2	10	0.53	9.55	1.76	0.1011
*36	WEN	20	f	a	e	2	9	0.19	15.39	0.12	0.4546

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 Within each study, results are included (in the following order of preference) for:  
 1) WKS Working status = all (a), workers only (w); 2) TIM Time of exposure = current (c), ever (e)  
 3) UNX Unexposed to any ETS (1), to ETS type (2); low exp to any ETS (3), to ETS type (4);  
 never exposed to ETS type (8), unexposed to hh/work ETS (a)  
 4) HD type: (CVD)-(Stroke) in preference to CVD



Table 33  
ETS and Heart Disease - Meta-Analysis of Workplace Exposure, 21-DEC-06  
 Workers only, if available  
 By sex - adjusted

combined

StN Ref	NRR	SEX	WKS	TIM	UNX	ADJ	Number Exposed		Non-exposed		RR	95.00%CI
							Case	Cont	Case	Cont		
28	PITSAV 8	c	a	c	a	6	-	-	-	-	1.97 ( 1.16- 3.34)	
30	CHEN 9	c	w	c	2	10	-	-	-	-	1.70 ( 0.90- 3.20)	
Partial Totals							0	0	0	0		

\*prospective study

male

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

\*prospective study

female

StN Ref	NRR	SEX	WKS	TIM	UNX	ADJ	Number Exposed		Non-exposed		RR	95.00%CI
							Case	Cont	Case	Cont		
3	LEE 8	f	w	e	2	1	-	-	-	-	0.69 ( 0.26- 1.87)	
9	JACKSO 6	f	a	c	2	2	-	-	-	-	1.55 ( 0.48- 5.03)	
12	DOBSON 6	f	w	c	2	2	-	-	-	-	0.66 ( 0.17- 2.62)	
17	MUSCAT 6	f	w	e	2	3	-	-	-	-	1.00 ( 0.40- 2.50)	
*19	STEENL 29	f	w	c	1	13	-	-	-	-	1.06 ( 0.84- 1.34)	
*21	KAWACH 8	f	w	c	2	15	-	-	-	-	1.68 ( 0.81- 3.47)	
25	HE 22	f	w	e	2	6	-	-	-	-	1.85 ( 0.86- 4.00)	
27	ROSENL 20	f	a	e	2	8	-	-	-	-	0.94 ( 0.59- 1.50)	
*36	WEN 20	f	a	e	2	9	-	-	-	-	1.21 ( 0.74- 2.01)	
Partial Totals							0	0	0	0		

\*prospective study

Relative risks	combined		male	female	Total
		N	2	7	9
	NS	2	7	9	18
	Wt	23.29	252.90	130.61	406.80
	Het Chi	0.12	4.98	5.50	17.04
	Het df	1	6	8	17
	Het P	N.S.	N.S.	N.S.	N.S.
	Fixed RR	1.85	1.07	1.10	1.12
	RRl	1.24	0.95	0.93	1.01
	RRu	2.78	1.21	1.31	1.23
	P	++	N.S.	N.S.	+
	Random RR	1.85	1.07	1.10	1.12
	RRl	1.24	0.95	0.93	1.01
	RRu	2.78	1.21	1.31	1.23
	P	++	N.S.	N.S.	+
	Asymm P		N.S.	N.S.	N.S.
	Between Chi		6.42	5.36	6.45
	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) WKS Working status = all (a), workers only (w); 2) TIM Time of exposure = current (c), ever (e)  
 3) UNX Unexposed to any ETS (1), to ETS type (2); low exp to any ETS (3), to ETS type (4);  
     never exposed to ETS type (8), unexposed to hh/work ETS (a)  
 4) HD type: (CVD)-(Stroke) in preference to CVD

Table 34  
ETS and Heart Disease - Meta-Analysis of Workplace Exposure, 21-DEC-06  
 Workers only, if available  
 By sex - unadjusted

combined

StN Ref	NRR	SEX	WKS	TIM	UNX	ADJ	Number Exposed		Non-exposed		RR	95.00%CI	
							Case	Cont	Case	Cont			
28	PITSAV 8	c	a	c	a	6	-	-	-	-	1.97	( 1.16-	3.34)
30	CHEN 9	c	w	c	2	10	-	-	-	-	1.70	( 0.90-	3.20)
Partial Totals							0	0	0	0			

\*prospective study

male

StN Ref	NRR	SEX	WKS	TIM	UNX	ADJ	Number Exposed		Non-exposed		RR	95.00%CI	
							Case	Cont	Case	Cont			
3	LEE 5	m	w	e	2	0	13	58	17	40	0.53	( 0.23-	1.21)
*5	SVENDS 3	m	a	c	2	2	-	-	-	-	1.40	( 0.80-	2.50)
9	JACKSO 7	m	a	c	2	0	-	-	-	-	1.50	( 0.80-	3.00)
12	DOBSON 7	m	w	c	2	0	27	79	48	126	0.90	( 0.52-	1.55)
17	MUSCAT 3	m	a	e	2	0	44	66	24	42	1.17	( 0.62-	2.19)
*19	STEENL 28	m	w	c	1	12	-	-	-	-	1.03	( 0.89-	1.19)
27	ROSENL 7	m	a	e	2	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	UNX	ADJ	Number Exposed		Non-exposed		RR	95.00%CI	
							Case	Cont	Case	Cont			
3	LEE 7	f	w	e	2	0	6	45	30	113	0.50	( 0.20-	1.29)
9	JACKSO 5	f	a	c	2	0	-	-	-	-	2.20	( 0.70-	7.40)
12	DOBSON 5	f	w	c	2	0	5	73	12	124	0.71	( 0.24-	2.09)
17	MUSCAT 5	f	w	e	2	0	20	22	15	16	0.97	( 0.38-	2.46)
*19	STEENL 29	f	w	c	1	13	-	-	-	-	1.06	( 0.84-	1.34)
*21	KAWACH 8	f	w	c	2	15	-	-	-	-	1.68	( 0.81-	3.47)
25	HE 21	f	w	e	2	0	33	43	26	83	2.45	( 1.30-	4.61)
27	ROSENL 19	f	a	e	2	0	68	143	57	120	1.00	( 0.65-	1.54)
*36	WEN 20	f	a	e	2	9	-	-	-	-	1.21	( 0.74-	2.01)
Partial Totals							132	326	140	456			

\*prospective study

		combined	male	female	Total
Relative risks					
	N	2	7	9	18
	NS	2	7	9	18
	Wt	23.29	260.64	138.55	422.47
	Het Chi	0.12	5.24	12.46	25.01
	Het df	1	6	8	17
	Het P	N.S.	N.S.	N.S.	(*)
	Fixed RR	1.85	1.04	1.13	1.11
	RRl	1.24	0.92	0.96	1.01
	RRu	2.78	1.18	1.34	1.22
	P	++	N.S.	N.S.	+
	Random RR	1.85	1.04	1.18	1.16
	RRl	1.24	0.92	0.91	1.01
	RRu	2.78	1.18	1.51	1.34
	P	++	N.S.	N.S.	+
	Asymm P		N.S.	N.S.	N.S.
	Between Chi		7.07	4.83	7.18
	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) WKS Working status = all (a), workers only (w); 2) TIM Time of exposure = current (c), ever (e)  
 3) UNX Unexposed to any ETS (1), to ETS type (2); low exp to any ETS (3), to ETS type (4);  
 never exposed to ETS type (8), unexposed to hh/work ETS (a)  
 4) HD type: (CVD)-(Stroke) in preference to CVD



Table 35  
ETS and Heart Disease - Meta-Analysis of Workplace Exposure, 21-DEC-06  
 Workers only, if available  
 By continent - adjusted

NAmerica

StN Ref	NRR	SEX	WKS	TIM	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
*5	SVENDS 3	m	a	c	2	2	-	-	-	-	1.40	( 0.80- 2.50)
17	MUSCAT 4	m	a	e	2	3	-	-	-	-	1.20	( 0.60- 2.20)
17	MUSCAT 6	f	w	e	2	3	-	-	-	-	1.00	( 0.40- 2.50)
Subtotal 17											1.25	( 0.85- 1.84)
*19	STEENL 28	m	w	c	1	12	-	-	-	-	1.03	( 0.89- 1.19)
*19	STEENL 29	f	w	c	1	13	-	-	-	-	1.06	( 0.84- 1.34)
Subtotal 19											1.04	( 0.92- 1.17)
*21	KAWACH 8	f	w	c	2	15	-	-	-	-	1.68	( 0.81- 3.47)
Partial Totals							0	0	0	0		

\*prospective study

Europe

StN Ref	NRR	SEX	WKS	TIM	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
3	LEE 6	m	w	e	2	1	-	-	-	-	0.66	( 0.26- 1.66)
3	LEE 8	f	w	e	2	1	-	-	-	-	0.69	( 0.26- 1.87)
Subtotal 3											0.67	( 0.34- 1.32)
27	ROSENL 8	m	a	e	2	8	-	-	-	-	1.14	( 0.78- 1.67)
27	ROSENL 20	f	a	e	2	8	-	-	-	-	0.94	( 0.59- 1.50)
Subtotal 27											1.06	( 0.79- 1.42)
28	PITSAV 8	c	a	c	a	6	-	-	-	-	1.97	( 1.16- 3.34)
30	CHEN 9	c	w	c	2	10	-	-	-	-	1.70	( 0.90- 3.20)
Partial Totals							0	0	0	0		

\*prospective study

Asia

StN Ref	NRR	SEX	WKS	TIM	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
25	HE 22	f	w	e	2	6	-	-	-	-	1.85	( 0.86- 4.00)
*36	WEN 20	f	a	e	2	9	-	-	-	-	1.21	( 0.74- 2.01)
Partial Totals							0	0	0	0		

\*prospective study

Other

StN Ref	NRR	SEX	WKS	TIM	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
9	JACKSO 8	m	a	c	2	2	-	-	-	-	1.80	( 0.94- 3.46)
9	JACKSO 6	f	a	c	2	2	-	-	-	-	1.55	( 0.48- 5.03)
Subtotal 9											1.74	( 0.98- 3.07)
12	DOBSON 8	m	w	c	2	2	-	-	-	-	0.95	( 0.51- 1.78)
12	DOBSON 6	f	w	c	2	2	-	-	-	-	0.66	( 0.17- 2.62)
Subtotal 12											0.89	( 0.51- 1.57)
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) WKS Working status = all (a), workers only (w); 2) TIM Time of exposure = current (c), ever (e)  
 3) UNX Unexposed to any ETS (1), to ETS type (2); low exp to any ETS (3), to ETS type (4);  
     never exposed to ETS type (8), unexposed to hh/work ETS (a)  
 4) HD type: (CVD)-(Stroke) in preference to CVD

Table 35  
ETS and Heart Disease - Meta-Analysis of Workplace Exposure, 21-DEC-06  
 Workers only, if available  
 By continent - adjusted

	NAmerica	Europe	Asia	Other	Total
Relative risks					
N	6	6	2	4	18
NS	4	4	2	2	12
Wt	285.32	75.87	21.89	23.72	406.80
Het Chi	2.74	8.46	0.82	2.91	17.04
Het df	5	5	1	3	17
Het P	N.S.	N.S.	N.S.	N.S.	N.S.
Fixed RR	1.07	1.19	1.37	1.24	1.12
RRl	0.95	0.95	0.90	0.83	1.01
RRu	1.20	1.50	2.09	1.86	1.23
P	N.S.	N.S.	N.S.	N.S.	+
Random RR	1.07	1.18	1.37	1.24	1.12
RRl	0.95	0.86	0.90	0.83	1.01
RRu	1.20	1.61	2.09	1.86	1.23
P	N.S.	N.S.	N.S.	N.S.	+
Asymm P	(*)	N.S.	N.S.	N.S.	N.S.
Between Chi		0.74	1.28	0.51	2.10
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 = all (a), workers only (w); 2) TIM Time of exposure = current (c), ever (e)  
 3) UNX Unexposed to any ETS (1), to ETS type (2); low exp to any ETS (3), to ETS type (4);  
     never exposed to ETS type (8), unexposed to hh/work ETS (a)  
 4) HD type: (CVD)-(Stroke) in preference to CVD



Table 36  
ETS and Heart Disease - Meta-Analysis of Workplace Exposure, 21-DEC-06  
 Workers only, if available  
 By continent - unadjusted

	NAmerica	Europe	Asia	Other	Total
Relative risks					
N	6	6	2	4	18
NS	4	4	2	2	12
Wt	285.77	84.13	25.00	27.58	422.47
Het Chi	2.72	12.38	2.94	3.33	25.01
Het df	5	5	1	3	17
Het P	N.S.	*	(*)	N.S.	(*)
Fixed RR	1.07	1.12	1.59	1.12	1.11
RRl	0.95	0.90	1.07	0.77	1.01
RRu	1.20	1.39	2.35	1.63	1.22
P	N.S.	N.S.	+	N.S.	+
Random RR	1.07	1.08	1.67	1.13	1.16
RRl	0.95	0.75	0.84	0.76	1.01
RRu	1.20	1.55	3.34	1.69	1.34
P	N.S.	N.S.	N.S.	N.S.	+
Asymm P	N.S.	N.S.	N.S.	N.S.	N.S.
Between Chi		0.15	3.62	0.07	3.64
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 = all (a), workers only (w); 2) TIM Time of exposure = current (c), ever (e)  
 3) UNX Unexposed to any ETS (1), to ETS type (2); low exp to any ETS (3), to ETS type (4);  
       never exposed to ETS type (8), unexposed to hh/work ETS (a)  
 4) HD type: (CVD)-(Stroke) in preference to CVD



Table 37  
ETS and Heart Disease - Meta-Analysis of Workplace Exposure, 21-DEC-06  
 Workers only, if available  
 By publication year (grouped) - adjusted

	1984-88	1989-92	1993-96	1997-00	2001-	Total
Relative risks						
N	3	4	4	2	5	18
NS	2	2	2	2	4	12
Wt	20.25	23.72	266.22	13.76	82.84	406.80
Het Chi	2.63	2.91	0.23	0.03	5.40	17.04
Het df	2	3	3	1	4	17
Het P	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
Fixed RR	1.03	1.24	1.04	1.76	1.27	1.12
RRl	0.67	0.83	0.92	1.04	1.02	1.01
RRu	1.60	1.86	1.18	2.98	1.57	1.23
P	N.S.	N.S.	N.S.	+	+	+
Random RR	0.98	1.24	1.04	1.76	1.29	1.12
RRl	0.58	0.83	0.92	1.04	1.00	1.01
RRu	1.65	1.86	1.18	2.98	1.66	1.23
P	N.S.	N.S.	N.S.	+	(+)	+
Asymm P	(*)	N.S.	N.S.	N.S.	N.S.	N.S.
Between Chi		0.38	0.00	2.32	0.69	5.83
Between df		1	1	1	1	4
Between P		N.S.	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 = all (a), workers only (w); 2) TIM Time of exposure = current (c), ever (e)  
 3) UNX Unexposed to any ETS (1), to ETS type (2); low exp to any ETS (3), to ETS type (4);  
     never exposed to ETS type (8), unexposed to hh/work ETS (a)  
 4) HD type: (CVD)-(Stroke) in preference to CVD



Table 38  
ETS and Heart Disease - Meta-Analysis of Workplace Exposure, 21-DEC-06  
 Workers only, if available  
 By publication year (grouped) - unadjusted

	1984-88	1989-92	1993-96	1997-00	2001-	Total
Relative risks						
N	3	4	4	2	5	18
NS	2	2	2	2	4	12
Wt	21.78	27.58	266.67	16.87	89.57	422.47
Het Chi	5.38	3.33	0.19	0.59	5.62	25.01
Het df	2	3	3	1	4	17
Het P	(*)	N.S.	N.S.	N.S.	N.S.	(*)
Fixed RR	0.89	1.12	1.04	2.08	1.24	1.11
RRl	0.58	0.77	0.92	1.29	1.01	1.01
RRu	1.35	1.63	1.17	3.36	1.52	1.22
P	N.S.	N.S.	N.S.	++	+	+
Random RR	0.77	1.13	1.04	2.08	1.26	1.16
RRl	0.37	0.76	0.92	1.29	0.98	1.01
RRu	1.60	1.69	1.17	3.36	1.62	1.34
P	N.S.	N.S.	N.S.	++	(+)	+
Asymm P	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
Between Chi		0.68	0.51	6.91	1.92	9.90
Between df		1	1	1	1	4
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 = all (a), workers only (w); 2) TIM Time of exposure = current (c), ever (e)  
 3) UNX Unexposed to any ETS (1), to ETS type (2); low exp to any ETS (3), to ETS type (4);  
     never exposed to ETS type (8), unexposed to hh/work ETS (a)  
 4) HD type: (CVD)-(Stroke) in preference to CVD



Table 39  
ETS and Heart Disease - Meta-Analysis of Total Exposure, 21-DEC-06  
 Overall - adjusted

Overall

StN Ref	NRR	SEX	TIM	TOT	ADJ	Number 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 3												
*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 9												
12	DOBSON	12	m	c	4	4	-	-	-	-	1.23	( 0.86- 1.75)
12	DOBSON	10	f	c	4	4	-	-	-	-	1.09	( 0.72- 1.63)
Subtotal 12												
18	TUNSTA	2	c	c	a	4	-	-	-	-	2.24	( 1.28- 3.91)
*21	KAWACH	1	f	c	4	15	-	-	-	-	1.40	( 1.01- 1.95)
23	MCELDU	4	m	c	4	4	-	-	-	-	1.34	( 1.07- 1.67)
23	MCELDU	2	f	c	4	4	-	-	-	-	1.71	( 1.03- 2.84)
Subtotal 23												
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 26												
27	ROSENL	46	c	e	2	8	-	-	-	-	1.09	( 1.02- 1.16)
28	PITSAV	4	m	c	4	10	-	-	-	-	1.18	( 0.87- 1.60)
28	PITSAV	7	f	c	4	10	-	-	-	-	1.33	( 0.94- 1.88)
Subtotal 28												
30	CHEN	4	c	c	a	10	-	-	-	-	1.39	( 0.87- 2.23)
31	NISHTA	1	c	e	a	1	-	-	-	-	1.35	( 1.02- 1.79)
35	TEO	1	c	c	6	6	-	-	-	-	1.50	( 1.03- 2.20)
*36	WEN	24	f	e	7	9	-	-	-	-	2.87	( 1.28- 6.42)
Partial Totals							76	228	49	152	1.37	( 1.27- 1.48)
*prospective study											1.25	( 0.69- 2.25)

StN Ref	NRR	SEX	TIM	TOT	ADJ	Ys	Ws	Qs	Ps	
3	LEE	9	m	c	3	0	-0.95	5.42	7.18	0.0266
3	LEE	10	f	c	3	0	-0.66	6.85	5.05	0.0841
Subtotal 3										
*5	SVENDS	4	m	c	2	1	0.16	36.15	0.06	0.3452
9	JACKSO	16	m	c	4	4	0.13	23.71	0.11	0.5235
9	JACKSO	14	f	c	4	4	0.44	7.44	0.45	0.2253
Subtotal 9										
12	DOBSON	12	m	c	4	4	0.09	23.02	0.29	0.6793
12	DOBSON	10	f	c	4	4	0.81	12.32	4.55	0.0046
Subtotal 12										
18	TUNSTA	2	c	c	a	4	0.29	77.54	0.69	0.0100
*21	KAWACH	1	f	c	4	15	0.54	14.94	1.71	0.0381
23	MCELDU	4	m	c	4	4	-0.20	24.21	3.82	0.3288
23	MCELDU	2	f	c	4	4	0.77	10.66	3.43	0.0124
Subtotal 23										
25	HE	51	f	e	2	0	1.05	6.90	5.06	0.0056
26	IRIBAR	14	m	c	5	11	0.07	333.11	5.71	0.2169
26	IRIBAR	29	f	c	5	11	0.10	517.16	5.51	0.0302
Subtotal 26										
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	0.24	0.1068
28	PITSAV	7	f	c	4	10	0.33	17.34	0.30	0.1703
Subtotal 28										
30	CHEN	4	c	c	a	10	0.41	26.68	1.14	0.0362
31	NISHTA	1	c	e	a	1	1.05	5.91	4.33	0.0104
35	TEO	1	c	c	6	6	0.31	656.19	8.87	0.0000
*36	WEN	24	f	e	7	9	0.22	11.00	0.01	0.4593

HD type: (CVD)-(Stroke) selected in preference to CVD

Values are also shown for:

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

2) TOT Total exposure = any (a), sp/wk (2), home/wk/travel/leisure (3), home/wk (4), home/oth (5), home/work/social (6), spouse/work/child (7)



Table 40  
ETS and Heart Disease - Meta-Analysis of Total Exposure, 21-DEC-06  
 Overall - unadjusted

Overall

StN Ref	NRR	SEX	TIM	TOT	ADJ	Number 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 3											
*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 9											
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 12											
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 23											
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 26											
27 ROSENLA	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)
30 CHEN	18	c	c	a	0	332	1208	53	261	1.35 ( 0.98-	1.86)
31 NISHTA	1	c	e	a	1	-	-	-	-	2.87 ( 1.28-	6.42)
35 TEO	1	c	c	6	6	-	-	-	-	1.37 ( 1.27-	1.48)
*36 WEN	24	f	e	7	9	-	-	-	-	1.25 ( 0.69-	2.25)
Partial Totals						1444	4137	1043	3818		

\*prospective study

StN Ref	NRR	SEX	TIM	TOT	ADJ	Ys	Ws	Qs	Ps
3 LEE	9	m	c	3	0	-0.95	5.42	7.36	0.0266
3 LEE	10	f	c	3	0	-0.66	6.85	5.22	0.0841
Subtotal 3									
*5 SVENDS	4	m	c	2	1	0.16	36.15	0.11	0.3452
9 JACKSO	15	m	c	4	0	0.21	32.82	0.00	0.2303
9 JACKSO	13	f	c	4	0	0.28	9.80	0.04	0.3892
Subtotal 9									
12 DOBSON	11	m	c	4	0	-0.25	34.03	7.34	0.1429
12 DOBSON	9	f	c	4	0	0.11	19.34	0.19	0.6135
Subtotal 12									
18 TUNSTA	1	c	c	a	0	0.28	62.37	0.26	0.0283
*21 KAWACH	1	f	c	4	15	0.54	14.94	1.56	0.0381
23 MCELDU	3	m	c	4	0	-0.23	29.19	5.79	0.2093
23 MCELDU	1	f	c	4	0	0.63	16.76	2.86	0.0104
Subtotal 23									
25 HE	51	f	e	2	0	1.05	6.90	4.89	0.0056
26 IRIBAR	14	m	c	5	11	0.07	333.11	7.05	0.2169
26 IRIBAR	29	f	c	5	11	0.10	517.16	7.18	0.0302
Subtotal 26									
27 ROSENLA	45	c	e	2	0	0.15	40.14	0.15	0.3363
28 PITSAV	1	c	c	4	0	1.75	38.82	91.69	0.0000
30 CHEN	18	c	c	a	0	0.30	37.68	0.30	0.0632
31 NISHTA	1	c	e	a	1	1.05	5.91	4.18	0.0104
35 TEO	1	c	c	6	6	0.31	656.19	6.78	0.0000
*36 WEN	24	f	e	7	9	0.22	11.00	0.00	0.4593

HD type: (CVD)-(Stroke) selected in preference to CVD

Values are also shown for:

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

2) TOT Total exposure = any (a), sp/wk (2), home/wk/travel/leisure (3), home/wk (4), home/oth (5), home/work/social (6), spouse/work/child (7)

Table 40  
ETS and Heart Disease - Meta-Analysis of Total Exposure, 21-DEC-06  
 Overall - unadjusted

Relative risks

	N	20
	NS	15
	Wt	1914.57
Het	Chi	152.95
Het	df	19
Het	P	***
Fixed	RR	1.24
	RRl	1.18
	RRu	1.29
	P	+++
Random	RR	1.30
	RRl	1.11
	RRu	1.53
	P	++
Asymm	P	N.S.

-----  
 HD type: (CVD)-(Stroke) selected in preference to CVD

Values are also shown for:

- 1) TIM Time of exposure = current (c), ever (e)
- 2) TOT Total exposure = any (a), sp/wk (2), home/wk/travel/leisure (3), home/wk (4), home/oth (5),  
 home/work/social (6), spouse/work/child (7)

Table 41  
ETS and Heart Disease - Meta-Analysis of ETS Exposure assessed by Cotinine, 21-DEC-06  
 Overall - adjusted

Overall

StN Ref	NRR	SEX	ADJ	Number Exposed		Non-exposed		RR	95.00%CI	
				Case	Cont	Case	Cont			
18	TUNSTA	10	c	4	-	-	-	-	1.13	( 0.93- 1.38)
30	CHEN	8	c	10	-	-	-	-	0.86	( 0.64- 1.16)
*32	WHINCU	8	m	16	-	-	-	-	1.67	( 1.03- 2.72)
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	0.12	0.2248
30	CHEN	8	c	10	-0.15	43.45	2.47	0.3202
*32	WHINCU	8	m	16	0.51	16.29	2.95	0.0384

Relative risks

N	3
NS	3
Wt	158.40
Het Chi	5.53
Het df	2
Het P	(*)
Fixed RR	1.09
RRl	0.93
RRu	1.28
P	N.S.
Random RR	1.12
RRl	0.83
RRu	1.50
P	N.S.
Asymm P	N.S.

-----  
 HD type: (CVD)-(Stroke) selected in preference to CVD.

Table 42  
ETS and Heart Disease - Meta-Analysis of ETS Exposure assessed by Cotinine, 21-DEC-06  
 Overall - unadjusted

Overall

StN Ref	NRR	SEX	ADJ	Number Exposed		Non-exposed		RR	95.00%CI	
				Case	Cont	Case	Cont			
18	TUNSTA 9	c	0	299	1120	129	580	1.20	( 0.95-	1.51)
30	CHEN 22	c	0	252	939	77	291	1.01	( 0.76-	1.35)
*32	WHINCU 4	m	2	-	-	-	-	1.42	( 0.91-	2.22)
Partial Totals				551	2059	206	871			

\*prospective study

StN Ref	NRR	SEX	ADJ	Ys	Ws	Qs	Ps
18	TUNSTA 9	c	0	0.18	72.92	0.08	0.1190
30	CHEN 22	c	0	0.01	46.61	0.85	0.9231
*32	WHINCU 4	m	2	0.35	19.32	0.78	0.1232

Relative risks

N	3
NS	3
Wt	138.85
Het Chi	1.72
Het df	2
Het P	N.S.
Fixed RR	1.16
RRl	0.98
RRu	1.37
P	(+)
Random RR	1.16
RRl	0.98
RRu	1.37
P	(+)
Asymm P	N.S.

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 HD type: (CVD)-(Stroke) selected in preference to CVD.

Table 43  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 Excluding Enstrom  
 Overall - adjusted

Overall

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
*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 3														
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 8														
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 9														
*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 10														
*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 12														
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 13														
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 14														
*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 15														
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 17														
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 19														
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 22														
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 23														
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 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 27														
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
30	CHEN	10	c	h	c	n	2	10	-	-	-	-	1.20	( 0.70- 2.20)
31	NISHTA	3	c	s	e	n	1	1	-	-	-	-	2.38	( 1.04- 5.42)
33	MCGHEE	1	m	h	p	f	2	2	-	-	-	-	1.30	( 0.88- 1.93)
33	MCGHEE	2	f	h	p	f	2	2	-	-	-	-	1.39	( 0.95- 2.04)
Subtotal 33														
*34	QURESH	1	f	s	m	b	2	7	-	-	-	-	1.05	( 0.81- 1.38)
35	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37	( 1.27- 1.48)
*36	WEN	17	f	s	m	f	2	9	-	-	-	-	0.99	( 0.72- 1.37)
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 = current (c), ever (e), during marriage (m), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); also (CVD)-(Stroke) in preference to CVD.
- 4) UNX Unexp. to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 43  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 Excluding Enstrom  
 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	0.12	0.1655
*2	GARLAN	5	f	s	e	f	2	5	0.99	1.81	1.41	0.1811
3	LEE	2	m	s	m	n	2	2	0.22	7.02	0.07	0.5687
3	LEE	4	f	s	m	n	2	2	-0.07	12.88	0.44	0.7946
Subtotal 3									-0.08	19.90	0.51	
4	MARTIN	1	f	s	e	n	2	6	0.96	6.33	4.50	0.0162
*5	SVENDS	2	m	s	c	b	2	6	0.48	14.27	1.89	0.0720
*6	BUTLER	2	f	s	e	f	2	1	0.07	15.67	0.03	0.7889
*8	HOLE	3	m	h	e	f	2	5	0.55	13.29	2.53	0.0457
*8	HOLE	2	f	h	e	f	2	5	0.50	7.04	1.06	0.1838
Subtotal 8									0.82	20.33	3.59	
9	JACKSO	4	m	h	c	b	2	2	0.06	3.80	0.01	0.9095
9	JACKSO	2	f	h	c	b	2	2	1.32	2.76	4.02	0.0285
Subtotal 9									1.15	6.56	4.03	
*10	SANDLE	2	m	h	c	f	2	4	0.27	77.28	1.93	0.0176
*10	SANDLE	4	f	h	c	f	2	4	0.17	213.52	0.82	0.0110
Subtotal 10									0.22	290.80	2.75	
*11	HUMBLE	1	f	s	c	f	8	4	0.46	16.88	2.09	0.0567
12	DOBSON	4	m	h	c	b	2	2	-0.03	8.90	0.18	0.9276
12	DOBSON	2	f	h	c	b	2	2	0.90	14.40	8.94	0.0006
Subtotal 12									0.65	23.30	9.13	
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	0.08	0.6013
Subtotal 13									0.10	10.27	0.08	
14	LAYARD	2	m	s	e	f	2	2	-0.03	48.72	0.99	0.8316
14	LAYARD	10	f	s	e	f	2	2	-0.01	147.49	2.20	0.9029
Subtotal 14									-0.26	196.21	3.19	
*15	LEVOIS	1	m	s	e	f	2	2	-0.03	646.64	13.12	0.4386
*15	LEVOIS	6	f	s	e	f	2	2	0.03	1627.60	11.06	0.2331
Subtotal 15									-0.22	2274.24	24.19	
17	MUSCAT	1	m	s	e	n	2	0	0.32	8.14	0.37	0.3546
17	MUSCAT	2	f	s	e	n	2	0	0.28	5.82	0.17	0.4970
Subtotal 17									0.38	13.96	0.53	
18	TUNSTA	2	c	t	c	n	2	4	0.29	77.54	2.53	0.0100
*19	STEENL	3	m	s	e	f	2	12	0.09	345.72	0.23	0.1091
*19	STEENL	4	f	s	e	f	2	13	0.04	314.64	1.67	0.4866
Subtotal 19									-0.10	660.35	1.90	
20	JANGHO	1	f	s	e	n	2	0	0.32	27.39	1.21	0.0922
*21	KAWACH	11	f	h	c	b	2	15	0.43	9.45	0.93	0.1912
22	CIRUZZ	7	m	s	c	n	2	9	0.17	6.63	0.02	0.6699
22	CIRUZZ	8	f	s	c	n	2	9	0.55	8.71	1.66	0.1058
Subtotal 22									0.49	15.34	1.67	
23	MCELDU	4	m	t	c	b	2	4	-0.20	24.21	2.33	0.3288
23	MCELDU	2	f	t	c	b	2	4	0.77	10.66	4.55	0.0124
Subtotal 23									0.34	34.87	6.89	
25	HE	2	f	s	e	n	2	6	0.47	12.11	1.55	0.1020
26	IRIBAR	4	m	h	c	n	2	11	0.12	268.97	0.03	0.0450
26	IRIBAR	19	f	h	c	n	2	11	0.18	495.01	2.45	0.0000
Subtotal 26									0.08	763.97	2.48	
27	ROSENL	2	m	s	e	n	2	8	-0.04	23.37	0.55	0.8436
27	ROSENL	14	f	s	e	n	2	8	0.43	17.27	1.69	0.0772
Subtotal 27									0.16	40.64	2.24	
28	PITSAV	9	c	h	c	n	a	6	0.29	23.73	0.71	0.1648
30	CHEN	10	c	h	c	n	2	10	0.18	11.72	0.06	0.5326
31	NISHTA	3	c	s	e	n	1	1	0.87	5.64	3.21	0.0395
33	MCGHEE	1	m	h	p	f	2	2	0.26	24.91	0.56	0.1904
33	MCGHEE	2	f	h	p	f	2	2	0.33	26.31	1.24	0.0912
Subtotal 33									0.37	51.22	1.81	
*34	QURESH	1	f	s	m	b	2	7	0.05	54.13	0.22	0.7196
35	TEO	1	c	t	c	n	2	6	0.31	656.19	26.99	0.0000
*36	WEN	17	f	s	m	f	2	9	-0.01	37.13	0.55	0.9512

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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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); also (CVD)-(Stroke) in preference to CVD.
- 4) UNX Unexp. to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)



Table 43  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 Excluding Enstrom  
 Overall - adjusted

Relative risks

	N	46
	NS	31
	Wt	5479.24
Het	Chi	112.97
Het	df	45
Het	P	***
Fixed	RR	1.12
	RRl	1.09
	RRu	1.15
	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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); also (CVD)-(Stroke) in preference to CVD.
- 4) UNX Unexp. to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 44  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 Excluding Enstrom  
 Overall - unadjusted

Overall

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
*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 3														
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 8														
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 9														
*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 10														
*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 12														
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 13														
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 14														
*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 15														
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 17														
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 19														
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 22														
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 23														
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 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 27														
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
30	CHEN	10	c	h	c	n	2	10	-	-	-	-	1.20	( 0.70- 2.20)
31	NISHTA	3	c	s	e	n	1	1	-	-	-	-	2.38	( 1.04- 5.42)
33	MCGHEE	5	m	h	p	f	2	0	74	71	285	347	1.27	( 0.88- 1.82)
33	MCGHEE	6	f	h	p	f	2	0	113	150	112	195	1.31	( 0.94- 1.84)
Subtotal 33														
*34	QURESH	2	f	s	m	b	2	0	140	1823	79	1209	1.18	( 0.90- 1.53)
35	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37	( 1.27- 1.48)
*36	WEN	17	f	s	m	f	2	9	-	-	-	-	0.99	( 0.72- 1.37)
Partial Totals									2924	97544	3650	81561		
*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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); also (CVD)-(Stroke) in preference to CVD.
- 4) UNX Unexp. to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 44  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 Excluding Enstrom  
 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	0.62	0.9867
*2	GARLAN	1	f	s	e	f	2	0	1.25	1.81	2.48	0.0912
3	LEE	1	m	s	m	n	2	0	0.29	7.10	0.31	0.4340
3	LEE	3	f	s	m	n	2	0	-0.03	12.62	0.16	0.9185
Subtotal 3									0.10	19.72	0.47	
4	MARTIN	1	f	s	e	n	2	6	0.96	6.33	4.80	0.0162
*5	SVENDS	1	m	s	c	b	2	0	0.38	15.65	1.39	0.1296
*6	BUTLER	1	f	s	e	f	2	0	0.30	15.03	0.73	0.2372
*8	HOLE	3	m	h	e	f	2	5	0.55	13.29	2.85	0.0457
*8	HOLE	2	f	h	e	f	2	5	0.50	7.04	1.22	0.1838
Subtotal 8									0.88	20.33	4.07	
9	JACKSO	3	m	h	c	b	2	0	0.10	3.78	0.00	0.8529
9	JACKSO	1	f	h	c	b	2	0	1.39	2.98	5.04	0.0168
Subtotal 9									1.31	6.76	5.04	
*10	SANDLE	1	m	h	c	f	2	0	0.14	90.22	0.26	0.1881
*10	SANDLE	3	f	h	c	f	2	0	-0.35	262.43	50.26	0.0000
Subtotal 10									-0.38	352.64	50.52	
*11	HUMBLE	1	f	s	c	f	8	4	0.46	16.88	2.43	0.0567
12	DOBSON	3	m	h	c	b	2	0	0.04	11.77	0.02	0.8905
12	DOBSON	1	f	h	c	b	2	0	0.47	22.62	3.44	0.0240
Subtotal 12									0.35	34.39	3.46	
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	0.11	0.6013
Subtotal 13									0.16	10.27	0.11	
14	LAYARD	1	m	s	e	f	2	0	-0.07	52.96	1.23	0.6223
14	LAYARD	9	f	s	e	f	2	0	-0.00	155.06	1.12	0.9954
Subtotal 14									-0.24	208.02	2.35	
*15	LEVOIS	1	m	s	e	f	2	2	-0.03	646.64	8.57	0.4386
*15	LEVOIS	6	f	s	e	f	2	2	0.03	1627.60	4.94	0.2331
Subtotal 15									-0.17	2274.24	13.51	
17	MUSCAT	1	m	s	e	n	2	0	0.32	8.14	0.47	0.3546
17	MUSCAT	2	f	s	e	n	2	0	0.28	5.82	0.23	0.4970
Subtotal 17									0.44	13.96	0.69	
18	TUNSTA	1	c	t	c	n	2	0	0.28	62.37	2.32	0.0283
*19	STEENL	3	m	s	e	f	2	12	0.09	345.72	0.00	0.1091
*19	STEENL	4	f	s	e	f	2	13	0.04	314.64	0.65	0.4866
Subtotal 19									-0.04	660.35	0.65	
20	JANGHO	1	f	s	e	n	2	0	0.32	27.39	1.54	0.0922
*21	KAWACH	11	f	h	c	b	2	15	0.43	9.45	1.10	0.1912
22	CIRUZZ	5	m	s	c	n	2	0	-0.00	8.06	0.06	0.9912
22	CIRUZZ	6	f	s	c	n	2	0	0.39	11.59	1.11	0.1800
Subtotal 22									0.22	19.65	1.17	
23	MCELDU	3	m	t	c	b	2	0	-0.23	29.19	2.93	0.2093
23	MCELDU	1	f	t	c	b	2	0	0.63	16.76	4.92	0.0104
Subtotal 23									0.22	45.95	7.85	
25	HE	1	f	s	e	n	2	0	0.84	17.19	9.83	0.0005
26	IRIBAR	4	m	h	c	n	2	11	0.12	268.97	0.38	0.0450
26	IRIBAR	19	f	h	c	n	2	11	0.18	495.01	4.72	0.0000
Subtotal 26									0.14	763.97	5.10	
27	ROSENL	1	m	s	e	n	2	0	-0.05	26.10	0.50	0.7851
27	ROSENL	13	f	s	e	n	2	0	0.29	20.97	0.86	0.1879
Subtotal 27									0.06	47.07	1.36	
28	PITSAV	9	c	h	c	n	a	6	0.29	23.73	0.95	0.1648
30	CHEN	10	c	h	c	n	2	10	0.18	11.72	0.11	0.5326
31	NISHTA	3	c	s	e	n	1	1	0.87	5.64	3.45	0.0395
33	MCGHEE	5	m	h	p	f	2	0	0.24	29.42	0.69	0.1963
33	MCGHEE	6	f	h	p	f	2	0	0.27	33.81	1.18	0.1147
Subtotal 33									0.34	63.24	1.87	
*34	QURESH	2	f	s	m	b	2	0	0.16	54.27	0.32	0.2341
35	TEO	1	c	t	c	n	2	6	0.31	656.19	34.76	0.0000
*36	WEN	17	f	s	m	f	2	9	-0.01	37.13	0.33	0.9512

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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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); also (CVD)-(Stroke) in preference to CVD.
- 4) UNX Unexp. to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 44  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 Excluding Enstrom  
 Overall - unadjusted

Relative risks

	N	46
	NS	31
	Wt	5591.64
Het	Chi	165.42
Het	df	45
Het	P	***
Fixed	RR	1.09
	RRl	1.06
	RRu	1.12
	P	+++
Random	RR	1.17
	RRl	1.09
	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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); also (CVD)-(Stroke) in preference to CVD.
- 4) UNX Unexp. to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 45  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 Excluding Enstrom  
 By sex - adjusted

combined

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
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)
30	CHEN 10	c	h	c	n	2	10	-	-	-	-	1.20	( 0.70- 2.20)
31	NISHTA 3	c	s	e	n	1	1	-	-	-	-	2.38	( 1.04- 5.42)
35	TEO 1	c	t	c	n	2	6	-	-	-	-	1.37	( 1.27- 1.48)
Partial Totals								0	0	0	0		

\*prospective study

male

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
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	ROENL 2	m	s	e	n	2	8	-	-	-	-	0.96	( 0.64- 1.44)
33	MCGHEE 1	m	h	p	f	2	2	-	-	-	-	1.30	( 0.88- 1.93)
Partial Totals								29	46	103	223		

\*prospective study

female

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
*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	ROENL 14	f	s	e	n	2	8	-	-	-	-	1.53	( 0.95- 2.44)
33	MCGHEE 2	f	h	p	f	2	2	-	-	-	-	1.39	( 0.95- 2.04)
*34	QURESH 1	f	s	m	b	2	7	-	-	-	-	1.05	( 0.81- 1.38)
*36	WEN 17	f	s	m	f	2	9	-	-	-	-	0.99	( 0.72- 1.37)
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 = current (c), ever (e), during marriage (m), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); also (CVD)-(Stroke) in preference to CVD.
- 4) UNX Unexp. to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 45  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 Excluding Enstrom  
 By sex - adjusted

	combined	male	female	Total
Relative risks				
N	5	16	25	46
NS	5	16	25	46
Wt	774.82	1527.31	3177.11	5479.24
Het Chi	1.98	19.73	53.19	112.97
Het df	4	15	24	45
Het P	N.S.	N.S.	***	***
Fixed RR	1.37	1.06	1.09	1.12
RRl	1.28	1.00	1.06	1.09
RRu	1.47	1.11	1.13	1.15
P	+++	+	+++	+++
Random RR	1.37	1.09	1.20	1.19
RRl	1.28	1.01	1.11	1.12
RRu	1.47	1.17	1.31	1.27
P	+++	+	+++	+++
Asymm P	N.S.	N.S.	***	**
Between Chi		34.60	31.01	38.07
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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); also (CVD)-(Stroke) in preference to CVD.
- 4) UNX Unexp. to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 46  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 Excluding Enstrom  
 By sex - unadjusted

combined

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
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)
30	CHEN 10	c	h	c	n	2	10	-	-	-	-	1.20 (	0.70- 2.20)
31	NISHTA 3	c	s	e	n	1	1	-	-	-	-	2.38 (	1.04- 5.42)
35	TEO 1	c	t	c	n	2	6	-	-	-	-	1.37 (	1.27- 1.48)
Partial Totals								329	1216	99	483		

\*prospective study

male

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
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	ROENL 1	m	s	e	n	2	0	53	113	141	285	0.95 (	0.65- 1.39)
33	MCGHEE 5	m	h	p	f	2	0	74	71	285	347	1.27 (	0.88- 1.82)
Partial Totals								501	2247	1676	6442		

\*prospective study

female

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
*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	ROENL 13	f	s	e	n	2	0	65	119	59	144	1.33 (	0.87- 2.05)
33	MCGHEE 6	f	h	p	f	2	0	113	150	112	195	1.31 (	0.94- 1.84)
*34	QURESH 2	f	s	m	b	2	0	140	1823	79	1209	1.18 (	0.90- 1.53)
*36	WEN 17	f	s	m	f	2	9	-	-	-	-	0.99 (	0.72- 1.37)
Partial Totals								2094	94081	1875	74636		

\*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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); also (CVD)-(Stroke) in preference to CVD.
- 4) UNX Unexp. to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 46  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 Excluding Enstrom  
 By sex - unadjusted

	combined	male	female	Total
Relative risks				
N	5	16	25	46
NS	5	16	25	46
Wt	759.65	1562.43	3269.56	5591.64
Het Chi	2.03	17.20	100.36	165.42
Het df	4	15	24	45
Het P	N.S.	N.S.	***	***
Fixed RR	1.37	1.05	1.05	1.09
RRl	1.27	1.00	1.02	1.06
RRu	1.47	1.10	1.09	1.12
P	+++	(+)	++	+++
Random RR	1.37	1.06	1.21	1.17
RRl	1.27	1.00	1.09	1.09
RRu	1.47	1.13	1.34	1.26
P	+++	(+)	+++	+++
Asymm P	N.S.	N.S.	**	*
Between Chi		36.74	42.39	45.83
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), in the past (p)  
 3) TYP Disease type = both (b), fatal (f), non-fatal (n); also (CVD)-(Stroke) in preference to CVD.  
 4) UNX Unexp. to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)



Table 47  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 Excluding Enstrom  
 By continent - adjusted

NAmerica

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed 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)
*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 10													
												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 14													
												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 15													
												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 17													
												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 19													
												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 26													
												1.17	( 1.09- 1.26)
*34	QURESH 1	f	s	m	b	2	7	-	-	-	-	1.05	( 0.81- 1.38)
Partial Totals								48	52	66	106		

\*prospective study

Europe

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
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 3													
												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 8													
												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 13													
												1.17	( 0.64- 2.16)
18	TUNSTA 2	c	t	c	n	2	4	-	-	-	-	1.34	( 1.07- 1.67)
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 27													
												1.17	( 0.86- 1.59)
28	PITSAV 9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
30	CHEN 10	c	h	c	n	2	10	-	-	-	-	1.20	( 0.70- 2.20)
Partial Totals								41	60	66	157		

\*prospective study

Asia

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
*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)
31	NISHTA 3	c	s	e	n	1	1	-	-	-	-	2.38	( 1.04- 5.42)
33	MCGHEE 1	m	h	p	f	2	2	-	-	-	-	1.30	( 0.88- 1.93)
33	MCGHEE 2	f	h	p	f	2	2	-	-	-	-	1.39	( 0.95- 2.04)
Subtotal 33													
												1.35	( 1.02- 1.77)
*36	WEN 17	f	s	m	f	2	9	-	-	-	-	0.99	( 0.72- 1.37)
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), in the past (p)  
 3) TYP Disease type = both (b), fatal (f), non-fatal (n); also (CVD)-(Stroke) in preference to CVD.  
 4) UNX Unexp. to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 47  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 Excluding Enstrom  
 By continent - adjusted

Other

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
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 9														
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 12														
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 22														
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 23														
35	TEO	1	c	t	c	n	2	6	-	-	-	-	1.10	( 0.79- 1.53)
Partial Totals									0	0	0	0	1.37	( 1.27- 1.48)
*prospective study														

		NAmerica	Europe	Asia	Other	Total
Relative risks						
N		19	11	7	9	46
NS		13	7	6	5	31
Wt		4318.07	204.13	220.78	736.26	5479.24
Het Chi		36.79	5.85	6.16	18.19	112.97
Het df		18	10	6	8	45
Het P		**	N.S.	N.S.	*	***
Fixed RR		1.07	1.28	1.24	1.37	1.12
RRl		1.04	1.12	1.09	1.28	1.09
RRu		1.10	1.47	1.41	1.47	1.15
P		+++	+++	++	+++	+++
Random RR		1.10	1.28	1.24	1.43	1.19
RRl		1.04	1.12	1.08	1.11	1.12
RRu		1.17	1.47	1.42	1.85	1.27
P		+++	+++	++	++	+++
Asymm P		**	N.S.	*	N.S.	**
Between Chi			6.62	4.61	39.31	45.98
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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); also (CVD)-(Stroke) in preference to CVD.
- 4) UNX Unexp. to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 48  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 Excluding Enstrom  
 By continent - unadjusted

NAmerica

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
*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 10													
												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 14													
												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 15													
												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 17													
												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 19													
												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 26													
												1.17	( 1.09- 1.26)
*34	QURESH 2	f	s	m	b	2	0	140	1823	79	1209	1.18	( 0.90- 1.53)
Partial Totals								1471	25207	1777	55517		

\*prospective study

Europe

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
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 3													
												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 8													
												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 13													
												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	ROENL 1	m	s	e	n	2	0	53	113	141	285	0.95	( 0.65- 1.39)
27	ROENL 13	f	s	e	n	2	0	65	119	59	144	1.33	( 0.87- 2.05)
Subtotal 27													
												1.10	( 0.83- 1.47)
28	PITSAV 9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
30	CHEN 10	c	h	c	n	2	10	-	-	-	-	1.20	( 0.70- 2.20)
Partial Totals								558	1777	413	1251		

\*prospective study

Asia

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
*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)
31	NISHTA 3	c	s	e	n	1	1	-	-	-	-	2.38	( 1.04- 5.42)
33	MCGHEE 5	m	h	p	f	2	0	74	71	285	347	1.27	( 0.88- 1.82)
33	MCGHEE 6	f	h	p	f	2	0	113	150	112	195	1.31	( 0.94- 1.84)
Subtotal 33													
												1.29	( 1.01- 1.65)
*36	WEN 17	f	s	m	f	2	9	-	-	-	-	0.99	( 0.72- 1.37)
Partial Totals								702	70061	691	22850		

\*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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); also (CVD)-(Stroke) in preference to CVD.
- 4) UNX Unexp. to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 48  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 Excluding Enstrom  
 By continent - unadjusted

Other

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
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 9													
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 12													
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 22													
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 23													
35	TEO 1	c	t	c	n	2	6	-	-	-	-	1.08 (	0.81- 1.45)
Partial Totals								193	499	769	1943	1.37 (	1.27- 1.48)
*prospective study													

Relative risks		NAmerica	Europe	Asia	Other	Total
	N	19	11	7	9	46
	NS	13	7	6	5	31
	Wt	4392.60	195.21	240.89	762.94	5591.64
	Het Chi	75.24	5.25	15.30	16.20	165.42
	Het df	18	10	6	8	45
	Het P	***	N.S.	*	*	***
	Fixed RR	1.04	1.26	1.20	1.35	1.09
	RRl	1.01	1.09	1.06	1.26	1.06
	RRu	1.07	1.45	1.36	1.45	1.12
	P	+	++	++	+++	+++
	Random RR	1.08	1.26	1.31	1.31	1.17
	RRl	0.99	1.09	1.05	1.06	1.09
	RRu	1.17	1.45	1.63	1.62	1.26
	P	(+)	++	+	+	+++
	Asymm P	N.S.	N.S.	*	N.S.	*
	Between Chi		7.15	5.01	46.40	53.42
	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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); also (CVD)-(Stroke) in preference to CVD.
- 4) UNX Unexp. to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 49  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 Excluding Enstrom  
 By publication year (grouped) - adjusted

1984-88

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
*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 3													
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	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
*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 8													
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 9													
*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 10													
*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 12													
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 13													
Partial Totals								41	60	66	157		

\*prospective study

1993-96

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
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 14													
*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 15													
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 17													
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 19													
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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); also (CVD)-(Stroke) in preference to CVD.
- 4) UNX Unexp. to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 49  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 Excluding Enstrom  
 By publication year (grouped) - adjusted

1997-00

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
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 22													
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 23													
25	HE 2	f	s	e	n	2	6	-	-	-	-	1.60 (	0.94- 2.90)
Partial Totals								63	100	137	300		

\*prospective study

2001-

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
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 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 27													
28	PITSAV 9	c	h	c	n	a	6	-	-	-	-	1.33 (	0.89- 1.99)
30	CHEN 10	c	h	c	n	2	10	-	-	-	-	1.20 (	0.70- 2.20)
31	NISHTA 3	c	s	e	n	1	1	-	-	-	-	2.38 (	1.04- 5.42)
33	MCGHEE 1	m	h	p	f	2	2	-	-	-	-	1.30 (	0.88- 1.93)
33	MCGHEE 2	f	h	p	f	2	2	-	-	-	-	1.39 (	0.95- 2.04)
Subtotal 33													
*34	QURESH 1	f	s	m	b	2	7	-	-	-	-	1.05 (	0.81- 1.38)
35	TEO 1	c	t	c	n	2	6	-	-	-	-	1.37 (	1.27- 1.48)
*36	WEN 17	f	s	m	f	2	9	-	-	-	-	0.99 (	0.72- 1.37)
Partial Totals								0	0	0	0		

\*prospective study

Relative risks	1984-88	1989-92	1993-96	1997-00	2001-	Total
N	7	11	9	7	12	46
NS	6	6	5	5	9	31
Wt	145.27	368.15	3222.30	99.15	1644.36	5479.24
Het Chi	7.31	13.86	10.32	9.45	17.86	112.97
Het df	6	10	8	6	11	45
Het P	N.S.	N.S.	N.S.	N.S.	(*)	***
Fixed RR	1.22	1.29	1.03	1.32	1.25	1.12
RRl	1.04	1.17	0.99	1.09	1.19	1.09
RRu	1.44	1.43	1.07	1.61	1.31	1.15
P	+	+++	(+)	++	+++	+++
Random RR	1.26	1.39	1.04	1.37	1.22	1.19
RRl	1.02	1.18	0.99	1.06	1.13	1.12
RRu	1.55	1.64	1.08	1.77	1.33	1.27
P	+	+++	N.S.	+	+++	+++
Asymm P	N.S.	N.S.	N.S.	N.S.	N.S.	**
Between Chi		0.33	4.11	0.36	0.07	54.17
Between df		1	1	1	1	4
Between P		N.S.	-	N.S.	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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); also (CVD)-(Stroke) in preference to CVD.
- 4) UNX Unexp. to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 50  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 Excluding Enstrom  
 By publication year (grouped) - unadjusted

1984-88

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
*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 3													
4	MARTIN 1	f	s	e	n	2	6	-	-	-	-	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	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
*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 8													
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 9													
*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 10													
*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 12													
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 13													
Partial Totals								779	10992	1029	9085		
*prospective study													

1993-96

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
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 14													
*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 15													
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 17													
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 19													
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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); also (CVD)-(Stroke) in preference to CVD.
- 4) UNX Unexp. to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 50  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 21-DEC-06  
 Excluding Enstrom  
 By publication year (grouped) - unadjusted

1997-00

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
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 22													
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 23													
25	HE 1	f	s	e	n	2	0	76	95	39	113	2.32	( 1.44- 3.72)
Partial Totals								267	561	667	1664		
*prospective study													

2001-

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
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 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 27													
28	PITSAV 9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
30	CHEN 10	c	h	c	n	2	10	-	-	-	-	1.20	( 0.70- 2.20)
31	NISHTA 3	c	s	e	n	1	1	-	-	-	-	2.38	( 1.04- 5.42)
33	MCGHEE 5	m	h	p	f	2	0	74	71	285	347	1.27	( 0.88- 1.82)
33	MCGHEE 6	f	h	p	f	2	0	113	150	112	195	1.31	( 0.94- 1.84)
Subtotal 33													
*34	QURESH 2	f	s	m	b	2	0	140	1823	79	1209	1.18	( 0.90- 1.53)
35	TEO 1	c	t	c	n	2	6	-	-	-	-	1.37	( 1.27- 1.48)
*36	WEN 17	f	s	m	f	2	9	-	-	-	-	0.99	( 0.72- 1.37)
Partial Totals								445	2276	676	2180		
*prospective study													

Relative risks	1984-88	1989-92	1993-96	1997-00	2001-	Total
N	7	11	9	7	12	46
NS	6	6	5	5	9	31
Wt	148.83	441.28	3218.94	119.63	1662.96	5591.64
Het Chi	10.05	50.58	9.01	16.09	15.92	165.42
Het df	6	10	8	6	11	45
Het P	N.S.	***	N.S.	*	N.S.	***
Fixed RR	1.15	0.90	1.03	1.35	1.25	1.09
RRl	0.98	0.82	0.99	1.13	1.19	1.06
RRu	1.35	0.99	1.06	1.61	1.31	1.12
P	(+)	-	N.S.	++	+++	+++
Random RR	1.29	1.29	1.03	1.40	1.23	1.17
RRl	1.00	0.96	0.99	1.03	1.14	1.09
RRu	1.68	1.74	1.07	1.89	1.32	1.26
P	(+)	(+)	N.S.	+	+++	+++
Asymm P	*	**	N.S.	N.S.	N.S.	*
Between Chi		6.40	1.79	1.64	0.98	63.77
Between df		1	1	1	1	4
Between P		-	N.S.	N.S.	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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); also (CVD)-(Stroke) in preference to CVD.
- 4) UNX Unexp. to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)



Table 51  
 ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 Excluding Enstrom  
 Overall - adjusted

Overall

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
*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 3														
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 8														
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 9														
*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 10														
*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 12														
13	LAVECC	11	c	s	c	n	8	8	-	-	-	-	1.21	( 0.57- 2.52)
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 14														
*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 15														
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 17														
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 19														
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 22														
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 23														
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 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 27														
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
30	CHEN	10	c	h	c	n	2	10	-	-	-	-	1.20	( 0.70- 2.20)
31	NISHTA	3	c	s	e	n	1	1	-	-	-	-	2.38	( 1.04- 5.42)
33	MCGHEE	1	m	h	p	f	2	2	-	-	-	-	1.30	( 0.88- 1.93)
33	MCGHEE	2	f	h	p	f	2	2	-	-	-	-	1.39	( 0.95- 2.04)
Subtotal 33														
*34	QURESH	1	f	s	m	b	2	7	-	-	-	-	1.05	( 0.81- 1.38)
35	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37	( 1.27- 1.48)
*36	WEN	18	f	s	c	f	2	9	-	-	-	-	1.19	( 0.84- 1.67)
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), in the past (p)  
 3) TYP Disease type = both (b), fatal (f), non-fatal (n); also (CVD)-(Stroke) in preference to CVD.  
 4) UNX Unexp. to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 51  
 ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 Excluding Enstrom  
 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	0.04	0.1655
*2	GARLAN	4	f	s	c	f	8	1	0.81	1.01	0.47	0.4145
3	LEE	2	m	s	m	n	2	2	0.22	7.02	0.06	0.5687
3	LEE	4	f	s	m	n	2	2	-0.07	12.88	0.51	0.7946
Subtotal 3									-0.11	19.90	0.57	
4	MARTIN	1	f	s	e	n	2	6	0.96	6.33	4.35	0.0162
*5	SVENDS	2	m	s	c	b	2	6	0.48	14.27	1.75	0.0720
*6	BUTLER	4	f	s	c	f	8	1	0.34	3.77	0.17	0.5135
*8	HOLE	3	m	h	e	f	2	5	0.55	13.29	2.36	0.0457
*8	HOLE	2	f	h	e	f	2	5	0.50	7.04	0.99	0.1838
Subtotal 8									0.80	20.33	3.35	
9	JACKSO	4	m	h	c	b	2	2	0.06	3.80	0.02	0.9095
9	JACKSO	2	f	h	c	b	2	2	1.32	2.76	3.92	0.0285
Subtotal 9									1.12	6.56	3.94	
*10	SANDLE	2	m	h	c	f	2	4	0.27	77.28	1.59	0.0176
*10	SANDLE	4	f	h	c	f	2	4	0.17	213.52	0.48	0.0110
Subtotal 10									0.19	290.80	2.08	
*11	HUMBLE	1	f	s	c	f	8	4	0.46	16.88	1.92	0.0567
12	DOBSON	4	m	h	c	b	2	2	-0.03	8.90	0.22	0.9276
12	DOBSON	2	f	h	c	b	2	2	0.90	14.40	8.62	0.0006
Subtotal 12									0.62	23.30	8.84	
13	LAVECC	11	c	s	c	n	8	8	0.19	6.96	0.03	0.6152
14	LAYARD	2	m	s	e	f	2	2	-0.03	48.72	1.20	0.8316
14	LAYARD	10	f	s	e	f	2	2	-0.01	147.49	2.75	0.9029
Subtotal 14									-0.29	196.21	3.95	
*15	LEVOIS	2	m	s	c	f	8	2	-0.02	660.03	14.19	0.6037
*15	LEVOIS	7	f	s	c	f	8	2	0.04	1659.41	12.61	0.1101
Subtotal 15									-0.23	2319.43	26.80	
17	MUSCAT	1	m	s	e	n	2	0	0.32	8.14	0.32	0.3546
17	MUSCAT	2	f	s	e	n	2	0	0.28	5.82	0.14	0.4970
Subtotal 17									0.35	13.96	0.46	
18	TUNSTA	2	c	t	c	n	2	4	0.29	77.54	2.14	0.0100
*19	STEENL	1	m	s	c	f	8	12	0.20	212.64	1.12	0.0037
*19	STEENL	2	f	s	c	f	8	13	0.10	196.22	0.19	0.1818
Subtotal 19									0.04	408.86	1.31	
20	JANGHO	1	f	s	e	n	2	0	0.32	27.39	1.05	0.0922
*21	KAWACH	11	f	h	c	b	2	15	0.43	9.45	0.84	0.1912
22	CIRUZZ	7	m	s	c	n	2	9	0.17	6.63	0.01	0.6699
22	CIRUZZ	8	f	s	c	n	2	9	0.55	8.71	1.55	0.1058
Subtotal 22									0.46	15.34	1.56	
23	MCELDU	4	m	t	c	b	2	4	-0.20	24.21	2.55	0.3288
23	MCELDU	2	f	t	c	b	2	4	0.77	10.66	4.35	0.0124
Subtotal 23									0.31	34.87	6.91	
25	HE	2	f	s	e	n	2	6	0.47	12.11	1.43	0.1020
26	IRIBAR	4	m	h	c	n	2	11	0.12	268.97	0.00	0.0450
26	IRIBAR	19	f	h	c	n	2	11	0.18	495.01	1.55	0.0000
Subtotal 26									0.05	763.97	1.55	
27	ROSENL	4	m	s	c	n	8	8	-0.02	13.01	0.28	0.9419
27	ROSENL	16	f	s	c	n	8	8	0.95	7.55	5.14	0.0089
Subtotal 27									0.68	20.56	5.42	
28	PITSAV	9	c	h	c	n	a	6	0.29	23.73	0.60	0.1648
30	CHEN	10	c	h	c	n	2	10	0.18	11.72	0.04	0.5326
31	NISHTA	3	c	s	e	n	1	1	0.87	5.64	3.09	0.0395
33	MCGHEE	1	m	h	p	f	2	2	0.26	24.91	0.46	0.1904
33	MCGHEE	2	f	h	p	f	2	2	0.33	26.31	1.08	0.0912
Subtotal 33									0.34	51.22	1.54	
*34	QURESH	1	f	s	m	b	2	7	0.05	54.13	0.33	0.7196
35	TEO	1	c	t	c	n	2	6	0.31	656.19	23.29	0.0000
*36	WEN	18	f	s	c	f	2	9	0.17	32.54	0.07	0.3211

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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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); also (CVD)-(Stroke) in preference to CVD.
- 4) UNX Unexp. to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 51  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 Excluding Enstrom  
 Overall - adjusted

Relative risks

	N	45
	NS	31
	Wt	5232.26
	Het Chi	109.88
	Het df	44
	Het P	***
Fixed	RR	1.13
	RRl	1.10
	RRu	1.17
	P	+++
Random	RR	1.22
	RRl	1.14
	RRu	1.30
	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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); also (CVD)-(Stroke) in preference to CVD.
- 4) UNX Unexp. to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 52  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
Excluding Enstrom  
Overall - unadjusted

Overall

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
*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 3														
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 8														
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 9														
*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 10														
*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 12														
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 13														
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 14														
*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 15														
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 17														
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 19														
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 22														
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 23														
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 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 27														
28	PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
30	CHEN	10	c	h	c	n	2	10	-	-	-	-	1.20	( 0.70- 2.20)
31	NISHTA	3	c	s	e	n	1	1	-	-	-	-	2.38	( 1.04- 5.42)
33	MCGHEE	5	m	h	p	f	2	0	74	71	285	347	1.27	( 0.88- 1.82)
33	MCGHEE	6	f	h	p	f	2	0	113	150	112	195	1.31	( 0.94- 1.84)
Subtotal 33														
*34	QURESH	2	f	s	m	b	2	0	140	1823	79	1209	1.18	( 0.90- 1.53)
35	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37	( 1.27- 1.48)
*36	WEN	18	f	s	c	f	2	9	-	-	-	-	1.19	( 0.84- 1.67)
Partial Totals									2806	88877	3650	81562		
*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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); also (CVD)-(Stroke) in preference to CVD.
- 4) UNX Unexp. to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 52  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 Excluding Enstrom  
 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	0.82	0.9867
*2	GARLAN	2	f	s	c	f	8	0	0.74	1.02	0.42	0.4568
3	LEE	1	m	s	m	n	2	0	0.29	7.10	0.27	0.4340
3	LEE	3	f	s	m	n	2	0	-0.03	12.62	0.20	0.9185
Subtotal 3									0.07	19.72	0.47	
4	MARTIN	1	f	s	e	n	2	6	0.96	6.33	4.66	0.0162
*5	SVENDS	1	m	s	c	b	2	0	0.38	15.65	1.28	0.1296
*6	BUTLER	3	f	s	c	f	8	0	0.14	3.76	0.01	0.7812
*8	HOLE	3	m	h	e	f	2	5	0.55	13.29	2.70	0.0457
*8	HOLE	2	f	h	e	f	2	5	0.50	7.04	1.15	0.1838
Subtotal 8									0.85	20.33	3.85	
9	JACKSO	3	m	h	c	b	2	0	0.10	3.78	0.00	0.8529
9	JACKSO	1	f	h	c	b	2	0	1.39	2.98	4.95	0.0168
Subtotal 9									1.29	6.76	4.95	
*10	SANDLE	1	m	h	c	f	2	0	0.14	90.22	0.16	0.1881
*10	SANDLE	3	f	h	c	f	2	0	-0.35	262.43	53.16	0.0000
Subtotal 10									-0.41	352.64	53.31	
*11	HUMBLE	1	f	s	c	f	8	4	0.46	16.88	2.27	0.0567
12	DOBSON	3	m	h	c	b	2	0	0.04	11.77	0.04	0.8905
12	DOBSON	1	f	h	c	b	2	0	0.47	22.62	3.22	0.0240
Subtotal 12									0.32	34.39	3.26	
13	LAVECC	5	m	s	c	n	8	0	0.05	4.41	0.01	0.9214
13	LAVECC	3	f	s	c	n	8	0	0.27	3.87	0.12	0.5916
Subtotal 13									0.13	8.27	0.13	
14	LAYARD	1	m	s	e	f	2	0	-0.07	52.96	1.44	0.6223
14	LAYARD	9	f	s	e	f	2	0	-0.00	155.06	1.48	0.9954
Subtotal 14									-0.26	208.02	2.91	
*15	LEVOIS	2	m	s	c	f	8	2	-0.02	660.03	9.08	0.6037
*15	LEVOIS	7	f	s	c	f	8	2	0.04	1659.41	5.55	0.1101
Subtotal 15									-0.18	2319.43	14.63	
17	MUSCAT	1	m	s	e	n	2	0	0.32	8.14	0.42	0.3546
17	MUSCAT	2	f	s	e	n	2	0	0.28	5.82	0.20	0.4970
Subtotal 17									0.41	13.96	0.62	
18	TUNSTA	1	c	t	c	n	2	0	0.28	62.37	2.03	0.0283
*19	STEENL	1	m	s	c	f	8	12	0.20	212.64	2.20	0.0037
*19	STEENL	2	f	s	c	f	8	13	0.10	196.22	0.00	0.1818
Subtotal 19									0.10	408.86	2.20	
20	JANGHO	1	f	s	e	n	2	0	0.32	27.39	1.38	0.0922
*21	KAWACH	11	f	h	c	b	2	15	0.43	9.45	1.02	0.1912
22	CIRUZZ	5	m	s	c	n	2	0	-0.00	8.06	0.08	0.9912
22	CIRUZZ	6	f	s	c	n	2	0	0.39	11.59	1.02	0.1800
Subtotal 22									0.20	19.65	1.10	
23	MCELDU	3	m	t	c	b	2	0	-0.23	29.19	3.17	0.2093
23	MCELDU	1	f	t	c	b	2	0	0.63	16.76	4.69	0.0104
Subtotal 23									0.20	45.95	7.86	
25	HE	1	f	s	e	n	2	0	0.84	17.19	9.51	0.0005
26	IRIBAR	4	m	h	c	n	2	11	0.12	268.97	0.17	0.0450
26	IRIBAR	19	f	h	c	n	2	11	0.18	495.01	3.60	0.0000
Subtotal 26									0.11	763.97	3.77	
27	ROSENL	3	m	s	c	n	8	0	0.07	14.87	0.01	0.7939
27	ROSENL	15	f	s	c	n	8	0	0.76	8.84	3.87	0.0241
Subtotal 27									0.63	23.71	3.88	
28	PITSAV	9	c	h	c	n	a	6	0.29	23.73	0.84	0.1648
30	CHEN	10	c	h	c	n	2	10	0.18	11.72	0.09	0.5326
31	NISHTA	3	c	s	e	n	1	1	0.87	5.64	3.34	0.0395
33	MCGHEE	5	m	h	p	f	2	0	0.24	29.42	0.59	0.1963
33	MCGHEE	6	f	h	p	f	2	0	0.27	33.81	1.03	0.1147
Subtotal 33									0.32	63.24	1.61	
*34	QURESH	2	f	s	m	b	2	0	0.16	54.27	0.23	0.2341
35	TEO	1	c	t	c	n	2	6	0.31	656.19	31.11	0.0000
*36	WEN	18	f	s	c	f	2	9	0.17	32.54	0.19	0.3211

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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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); also (CVD)-(Stroke) in preference to CVD.
- 4) UNX Unexp. to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 52  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 Excluding Enstrom  
 Overall - unadjusted

Relative risks

	N	46
	NS	31
	Wt	5343.33
Het	Chi	163.76
Het	df	45
Het	P	***
Fixed	RR	1.10
	RRl	1.07
	RRu	1.13
	P	+++
Random	RR	1.19
	RRl	1.11
	RRu	1.29
	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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); also (CVD)-(Stroke) in preference to CVD.
- 4) UNX Unexp. to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 53  
 ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 Excluding Enstrom  
 By sex - adjusted

combined

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
13	LAVECC 11	c	s	c	n	8	8	-	-	-	-	1.21	( 0.57- 2.52)
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)
30	CHEN 10	c	h	c	n	2	10	-	-	-	-	1.20	( 0.70- 2.20)
31	NISHTA 3	c	s	e	n	1	1	-	-	-	-	2.38	( 1.04- 5.42)
35	TEO 1	c	t	c	n	2	6	-	-	-	-	1.37	( 1.27- 1.48)
Partial Totals								0	0	0	0		

\*prospective study

male

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
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)
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	( 1.07- 2.75)
*19	STEENL 1	m	s	c	f	8	12	-	-	-	-	1.22	( 0.70- 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	ROENL 4	m	s	c	n	8	8	-	-	-	-	0.98	( 0.57- 1.69)
33	MCGHEE 1	m	h	p	f	2	2	-	-	-	-	1.30	( 0.88- 1.93)
Partial Totals								20	25	48	83		

\*prospective study

female

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
*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)
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	ROENL 16	f	s	c	n	8	8	-	-	-	-	2.59	( 1.27- 5.29)
33	MCGHEE 2	f	h	p	f	2	2	-	-	-	-	1.39	( 0.95- 2.04)
*34	QURESH 1	f	s	m	b	2	7	-	-	-	-	1.05	( 0.81- 1.38)
*36	WEN 18	f	s	c	f	2	9	-	-	-	-	1.19	( 0.84- 1.67)
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), in the past (p)  
 3) TYP Disease type = both (b), fatal (f), non-fatal (n); also (CVD)-(Stroke) in preference to CVD.  
 4) UNX Unexp. to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 53  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 Excluding Enstrom  
 By sex - adjusted

	combined	male	female	Total
Relative risks				
N	6	15	24	45
NS	6	15	24	45
Wt	781.77	1391.83	3058.66	5232.26
Het Chi	2.09	22.19	52.88	109.88
Het df	5	14	23	44
Het P	N.S.	(*)	***	***
Fixed RR	1.37	1.08	1.11	1.13
RRl	1.27	1.02	1.07	1.10
RRu	1.47	1.13	1.15	1.17
P	+++	++	+++	+++
Random RR	1.37	1.13	1.24	1.22
RRl	1.27	1.03	1.14	1.14
RRu	1.47	1.23	1.35	1.30
P	+++	+	+++	+++
Asymm P	N.S.	N.S.	***	**
Between Chi		28.68	27.35	32.71
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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); also (CVD)-(Stroke) in preference to CVD.
- 4) UNX Unexp. to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)



Table 54  
 ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 Excluding Enstrom  
 By sex - unadjusted

combined

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
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)
30	CHEN 10	c	h	c	n	2	10	-	-	-	-	1.20 (	0.70- 2.20)
31	NISHTA 3	c	s	e	n	1	1	-	-	-	-	2.38 (	1.04- 5.42)
35	TEO 1	c	t	c	n	2	6	-	-	-	-	1.37 (	1.27- 1.48)
Partial Totals								329	1216	99	483		

\*prospective study

male

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
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)
33	MCGHEE 5	m	h	p	f	2	0	74	71	285	347	1.27 (	0.88- 1.82)
Partial Totals								473	2181	1676	6442		

\*prospective study

female

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
*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)
33	MCGHEE 6	f	h	p	f	2	0	113	150	112	195	1.31 (	0.94- 1.84)
*34	QURESH 2	f	s	m	b	2	0	140	1823	79	1209	1.18 (	0.90- 1.53)
*36	WEN 18	f	s	c	f	2	9	-	-	-	-	1.19 (	0.84- 1.67)
Partial Totals								2004	85480	1875	74637		

\*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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); also (CVD)-(Stroke) in preference to CVD.
- 4) UNX Unexp. to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 54  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 Excluding Enstrom  
 By sex - unadjusted

	combined	male	female	Total
Relative risks				
N	5	16	25	46
NS	5	16	25	46
Wt	759.65	1430.49	3153.19	5343.33
Het Chi	2.03	20.02	100.46	163.76
Het df	4	15	24	45
Het P	N.S.	N.S.	***	***
Fixed RR	1.37	1.07	1.06	1.10
RRl	1.27	1.01	1.03	1.07
RRu	1.47	1.12	1.10	1.13
P	+++	+	+++	+++
Random RR	1.37	1.10	1.23	1.19
RRl	1.27	1.01	1.11	1.11
RRu	1.47	1.19	1.38	1.29
P	+++	+	+++	+++
Asymm P	N.S.	N.S.	*	*
Between Chi		30.83	39.07	41.26
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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); also (CVD)-(Stroke) in preference to CVD.
- 4) UNX Unexp. to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 55  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 Excluding Enstrom  
 By continent - adjusted

NAmerica

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed 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)
*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 10													
												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 14													
												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 15													
												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 17													
												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 19													
												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 26													
												1.17 (	1.09- 1.26)
*34	QURESH 1	f	s	m	b	2	7	-	-	-	-	1.05 (	0.81- 1.38)
Partial Totals								48	52	66	106		
*prospective study													

Europe

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
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 3													
												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 8													
												1.70 (	1.10- 2.63)
13	LAVECC 11	c	s	c	n	8	8	-	-	-	-	1.21 (	0.57- 2.52)
18	TUNSTA 2	c	t	c	n	2	4	-	-	-	-	1.34 (	1.07- 1.67)
27	ROENL 4	m	s	c	n	8	8	-	-	-	-	0.98 (	0.57- 1.69)
27	ROENL 16	f	s	c	n	8	8	-	-	-	-	2.59 (	1.27- 5.29)
Subtotal 27													
												1.40 (	0.91- 2.16)
28	PITSAV 9	c	h	c	n	a	6	-	-	-	-	1.33 (	0.89- 1.99)
30	CHEN 10	c	h	c	n	2	10	-	-	-	-	1.20 (	0.70- 2.20)
Partial Totals								0	0	0	0		
*prospective study													

Asia

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
*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)
31	NISHTA 3	c	s	e	n	1	1	-	-	-	-	2.38 (	1.04- 5.42)
33	MCGHEE 1	m	h	p	f	2	2	-	-	-	-	1.30 (	0.88- 1.93)
33	MCGHEE 2	f	h	p	f	2	2	-	-	-	-	1.39 (	0.95- 2.04)
Subtotal 33													
												1.35 (	1.02- 1.77)
*36	WEN 18	f	s	c	f	2	9	-	-	-	-	1.19 (	0.84- 1.67)
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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); also (CVD)-(Stroke) in preference to CVD.
- 4) UNX Unexp. to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 55  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 Excluding Enstrom  
 By continent - adjusted

Other

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
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 9													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 12													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 22													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 23													1.10 (	0.79- 1.53)
35	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37 (	1.27- 1.48)
Partial Totals									0	0	0	0		
*prospective study														

		NAmerica	Europe	Asia	Other	Total
Relative risks						
	N	19	10	7	9	45
	NS	13	7	6	5	31
	Wt	4099.08	180.73	216.19	736.26	5232.26
	Het Chi	36.83	7.68	4.13	18.19	109.88
	Het df	18	9	6	8	44
	Het P	**	N.S.	N.S.	*	***
Fixed	RR	1.08	1.33	1.28	1.37	1.13
	RRl	1.05	1.15	1.12	1.28	1.10
	RRu	1.12	1.54	1.46	1.47	1.17
	P	+++	+++	+++	+++	+++
Random	RR	1.13	1.33	1.28	1.43	1.22
	RRl	1.06	1.15	1.12	1.11	1.14
	RRu	1.19	1.54	1.46	1.85	1.30
	P	+++	+++	+++	++	+++
Asymm	P	**	N.S.	**	N.S.	**
Between	Chi		7.22	5.72	34.88	43.04
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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); also (CVD)-(Stroke) in preference to CVD.
- 4) UNX Unexp. to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 56  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
Excluding Enstrom  
By continent - unadjusted

NAmerica

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
*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 10													
												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 14													
												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 15													
												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 17													
												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 19													
												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 26													
												1.17	( 1.09- 1.26)
*34	QURESH 2	f	s	m	b	2	0	140	1823	79	1209	1.18	( 0.90- 1.53)
Partial Totals								1440	16720	1777	55518		

\*prospective study

Europe

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
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 3													
												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 8													
												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 13													
												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	ROENL 3	m	s	c	n	8	0	27	51	141	285	1.07	( 0.64- 1.78)
27	ROENL 15	f	s	c	n	8	0	21	24	59	144	2.14	( 1.10- 4.13)
Subtotal 27													
												1.38	( 0.93- 2.07)
28	PITSAV 9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
30	CHEN 10	c	h	c	n	2	10	-	-	-	-	1.20	( 0.70- 2.20)
Partial Totals								471	1597	413	1251		

\*prospective study

Asia

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
*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)
31	NISHTA 3	c	s	e	n	1	1	-	-	-	-	2.38	( 1.04- 5.42)
33	MCGHEE 5	m	h	p	f	2	0	74	71	285	347	1.27	( 0.88- 1.82)
33	MCGHEE 6	f	h	p	f	2	0	113	150	112	195	1.31	( 0.94- 1.84)
Subtotal 33													
												1.29	( 1.01- 1.65)
*36	WEN 18	f	s	c	f	2	9	-	-	-	-	1.19	( 0.84- 1.67)
Partial Totals								702	70061	691	22850		

\*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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); also (CVD)-(Stroke) in preference to CVD.
- 4) UNX Unexp. to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 56  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 Excluding Enstrom  
 By continent - unadjusted

Other

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
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 9													
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 12													
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 22													
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 23													
35	TEO 1	c	t	c	n	2	6	-	-	-	-	1.08 (	0.81- 1.45)
Partial Totals								193	499	769	1943	1.37 (	1.27- 1.48)
*prospective study													

Relative risks		NAmerica	Europe	Asia	Other	Total
	N	19	11	7	9	46
	NS	13	7	6	5	31
	Wt	4174.24	169.85	236.30	762.94	5343.33
	Het Chi	76.27	5.55	13.72	16.20	163.76
	Het df	18	10	6	8	45
	Het P	***	N.S.	*	*	***
	Fixed RR	1.05	1.32	1.24	1.35	1.10
	RRl	1.02	1.14	1.09	1.26	1.07
	RRu	1.08	1.54	1.40	1.45	1.13
	P	++	+++	++	+++	+++
	Random RR	1.09	1.32	1.34	1.31	1.19
	RRl	1.00	1.14	1.09	1.06	1.11
	RRu	1.19	1.54	1.66	1.62	1.29
	P	(+)	+++	++	+	+++
	Asymm P	N.S.	N.S.	**	N.S.	*
	Between Chi		9.04	6.21	42.46	52.03
	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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); also (CVD)-(Stroke) in preference to CVD.
- 4) UNX Unexp. to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 57  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 Excluding Enstrom  
 By publication year (grouped) - adjusted

1984-88

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
*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 3													
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	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
*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 8													
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 9													
*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 10													
*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 12													
13	LAVECC 11	c	s	c	n	8	8	-	-	-	-	1.21	( 0.57- 2.52)
Partial Totals								0	0	0	0		

\*prospective study

1993-96

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
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 14													
*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 15													
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 17													
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 19													
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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); also (CVD)-(Stroke) in preference to CVD.
- 4) UNX Unexp. to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 57  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 Excluding Enstrom  
 By publication year (grouped) - adjusted

1997-00

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
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 22													
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 23													
25	HE 2	f	s	e	n	2	6	-	-	-	-	1.60	( 0.94- 2.90)
Partial Totals								63	100	137	300		

\*prospective study

2001-

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
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 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 27													
28	PITSAV 9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
30	CHEN 10	c	h	c	n	2	10	-	-	-	-	1.20	( 0.70- 2.20)
31	NISHTA 3	c	s	e	n	1	1	-	-	-	-	2.38	( 1.04- 5.42)
33	MCGHEE 1	m	h	p	f	2	2	-	-	-	-	1.30	( 0.88- 1.93)
33	MCGHEE 2	f	h	p	f	2	2	-	-	-	-	1.39	( 0.95- 2.04)
Subtotal 33													
*34	QURESH 1	f	s	m	b	2	7	-	-	-	-	1.05	( 0.81- 1.38)
35	TEO 1	c	t	c	n	2	6	-	-	-	-	1.37	( 1.27- 1.48)
*36	WEN 18	f	s	c	f	2	9	-	-	-	-	1.19	( 0.84- 1.67)
Partial Totals								0	0	0	0		

\*prospective study

Relative risks	1984-88	1989-92	1993-96	1997-00	2001-	Total
N	7	10	9	7	12	45
NS	6	6	5	5	9	31
Wt	132.57	364.83	3016.01	99.15	1619.69	5232.26
Het Chi	6.31	13.73	14.83	9.45	18.27	109.88
Het df	6	9	8	6	11	44
Het P	N.S.	N.S.	(*)	N.S.	(*)	***
Fixed RR	1.24	1.30	1.05	1.32	1.26	1.13
RRl	1.05	1.17	1.01	1.09	1.20	1.10
RRu	1.47	1.44	1.08	1.61	1.32	1.17
P	+	+++	+	++	+++	+++
Random RR	1.26	1.41	1.07	1.37	1.25	1.22
RRl	1.04	1.18	1.00	1.06	1.14	1.14
RRu	1.52	1.68	1.14	1.77	1.36	1.30
P	+	+++	+	+	+++	+++
Asymm P	N.S.	(*)	N.S.	N.S.	N.S.	**
Between Chi		0.19	3.64	0.24	0.03	47.28
Between df		1	1	1	1	4
Between P		N.S.	(-)	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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); also (CVD)-(Stroke) in preference to CVD.
- 4) UNX Unexp. to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)



Table 58  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 Excluding Enstrom  
 By publication year (grouped) - unadjusted

1984-88

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 3													
4	MARTIN 1	f	s	e	n	2	6	-	-	-	-	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	Number 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 8													
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 9													
*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 10													
*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 12													
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 13													
Partial Totals								762	10969	1029	9085		

\*prospective study

1993-96

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number 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 14													
*15	LEVOIS 2	m	s	c	f	8	2	-	-	-	-	0.98	( 0.86- 1.13)
*15	LEVOIS 7	f	s	c	f	8	2	-	-	-	-	0.98	( 0.91- 1.06)
Subtotal 15													
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 17													
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 19													
Partial Totals								929	2444	1002	2341		

\*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), in the past (p)
- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); also (CVD)-(Stroke) in preference to CVD.
- 4) UNX Unexp. to ETS (1), to ETS type (2), low exp to ETS type (4), never to type (8), to hh/work ETS (a)

Table 58  
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 21-DEC-06  
 Excluding Enstrom  
 By publication year (grouped) - unadjusted

1997-00

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
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 22													
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 23													
25	HE 1	f	s	e	n	2	0	76	95	39	113	2.32	( 1.44- 3.72)
Partial Totals								267	561	667	1664		
*prospective study													

2001-

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
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 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 27													
28	PITSAV 9	c	h	c	n	a	6	-	-	-	-	1.33	( 0.89- 1.99)
30	CHEN 10	c	h	c	n	2	10	-	-	-	-	1.20	( 0.70- 2.20)
31	NISHTA 3	c	s	e	n	1	1	-	-	-	-	2.38	( 1.04- 5.42)
33	MCGHEE 5	m	h	p	f	2	0	74	71	285	347	1.27	( 0.88- 1.82)
33	MCGHEE 6	f	h	p	f	2	0	113	150	112	195	1.31	( 0.94- 1.84)
Subtotal 33													
*34	QURESH 2	f	s	m	b	2	0	140	1823	79	1209	1.18	( 0.90- 1.53)
35	TEO 1	c	t	c	n	2	6	-	-	-	-	1.37	( 1.27- 1.48)
*36	WEN 18	f	s	c	f	2	9	-	-	-	-	1.19	( 0.84- 1.67)
Partial Totals								375	2119	676	2180		
*prospective study													

		1984-88	1989-92	1993-96	1997-00	2001-	Total
Relative risks							
	N	7	11	9	7	12	46
	NS	6	6	5	5	9	31
	Wt	136.77	439.28	3012.65	119.63	1635.01	5343.33
	Het Chi	7.64	50.47	13.71	16.09	14.61	163.76
	Het df	6	10	8	6	11	45
	Het P	N.S.	***	(*)	*	N.S.	***
	Fixed RR	1.12	0.90	1.04	1.35	1.26	1.10
	RRl	0.95	0.82	1.01	1.13	1.20	1.07
	RRu	1.32	0.99	1.08	1.61	1.33	1.13
	P	N.S.	-	+	++	+++	+++
	Random RR	1.20	1.30	1.06	1.40	1.25	1.19
	RRl	0.95	0.96	1.00	1.03	1.17	1.11
	RRu	1.53	1.74	1.13	1.89	1.35	1.29
	P	N.S.	(+)	(+)	+	+++	+++
	Asymm P	N.S.	**	N.S.	N.S.	N.S.	*
	Between Chi		4.71	0.60	2.20	1.89	61.24
	Between df		1	1	1	1	4
	Between P		-	N.S.	N.S.	N.S.	***

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