

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 biomarker, 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.

/cont

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, download LEE2008F.pdf. The results are also summarized in the following documents: download LEE2008D.pdf (which includes references to the individual studies, and a description of the type of heart disease studied by each), LEE2008E.pdf and LEE2008J.pdf.

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Table 1
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 12-JUN-08
 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	(0.58- 2.67)
3	LEE	4	f	s	m	n	2	2	-	-	-	-	0.93	(0.53- 1.64)
Subtotal 3													1.03	(0.65- 1.62)
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													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													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)
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	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)
36	STRANG	22	m	h	e	n	2	0	156	370	39	91	0.98	(0.65- 1.50)
36	STRANG	14	f	h	e	n	2	0	78	671	11	123	1.30	(0.67- 2.51)
Subtotal 36													1.07	(0.75- 1.52)

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), 12-JUN-08
 Overall - adjusted

Overall

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Exposed		Non-exposed		RR	95.00%CI
								Case	Cont	Case	Cont		
37 TEO	1	c	t	c	n	2	6	-	-	-	-	1.37 (1.27- 1.48)	
*38 WEN	17	f	s	m	f	2	9	-	-	-	-	0.99 (0.72- 1.37)	
*40 HILL1	2	m	h	c	f	2	9	-	-	-	-	1.04 (0.88- 1.23)	
*40 HILL1	4	f	h	c	f	2	9	-	-	-	-	0.98 (0.83- 1.17)	
Subtotal 40												1.01 (0.90- 1.14)	
*41 HILL2	2	m	h	c	f	2	9	-	-	-	-	1.18 (0.96- 1.44)	
*41 HILL2	4	f	h	c	f	2	9	-	-	-	-	1.27 (0.98- 1.66)	
Subtotal 41												1.21 (1.03- 1.42)	
Partial Totals								386	1253	319	777		

*prospective study

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	0.29	0.1655
*2 GARLAN	5	f	s	e	f	2	5	0.99	1.81	1.48	0.1811
3 LEE	2	m	s	m	n	2	2	0.22	6.59	0.10	0.5808
3 LEE	4	f	s	m	n	2	2	-0.07	12.04	0.32	0.8012
Subtotal 3								-0.04	18.63	0.42	
4 MARTIN	1	f	s	e	n	2	6	0.96	6.33	4.73	0.0162
*5 SVENDS	2	m	s	c	b	2	6	0.48	14.27	2.12	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	2.78	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	3.96	
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	4.16	0.0285
Subtotal 9								1.20	6.56	4.16	
*10 SANDLE	2	m	h	c	f	2	4	0.27	77.28	2.48	0.0176
*10 SANDLE	4	f	h	c	f	2	4	0.17	213.52	1.48	0.0110
Subtotal 10								0.26	290.80	3.96	
*11 HUMBLE	1	f	s	c	f	8	4	0.46	16.88	2.35	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	9.43	0.0006
Subtotal 12								0.69	23.30	9.57	
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	0.72	0.8316
14 LAYARD	10	f	s	e	f	2	2	-0.01	147.49	1.50	0.9029
Subtotal 14								-0.22	196.21	2.21	
*15 LEVOIS	1	m	s	e	f	2	2	-0.03	646.64	9.50	0.4386
*15 LEVOIS	6	f	s	e	f	2	2	0.03	1627.60	6.09	0.2331
Subtotal 15								-0.18	2274.24	15.58	
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	0.66	
18 TUNSTA	2	c	t	c	n	2	4	0.29	77.54	3.16	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	0.83	0.4866
Subtotal 19								-0.06	660.35	0.84	
20 JANGHO	1	f	s	e	n	2	0	0.32	27.39	1.46	0.0922
*21 KAWACH	11	f	h	c	b	2	15	0.43	9.45	1.06	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	1.82	0.1058
Subtotal 22								0.53	15.34	1.86	
23 MCELDU	4	m	t	c	b	2	4	-0.20	24.21	2.02	0.3288
23 MCELDU	2	f	t	c	b	2	4	0.77	10.66	4.85	0.0124
Subtotal 23								0.39	34.87	6.88	
25 HE	2	f	s	e	n	2	6	0.47	12.11	1.74	0.1020
26 IRIBAR	4	m	h	c	n	2	11	0.12	268.97	0.27	0.0450
26 IRIBAR	19	f	h	c	n	2	11	0.18	495.01	4.15	0.0000
Subtotal 26								0.12	763.97	4.42	
27 ROSENL	2	m	s	e	n	2	8	-0.04	23.37	0.40	0.8436
27 ROSENL	14	f	s	e	n	2	8	0.43	17.27	1.93	0.0772
Subtotal 27								0.20	40.64	2.34	

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 1
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 12-JUN-08
 Overall - adjusted

Overall

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Ys	Ws	Qs	Ps
28	PITSAV	9	c	h	c	n	a	6	0.29	23.73	0.90	0.1648
*29	ENSTRO	16	m	s	e	f	2	8	-0.07	302.04	8.05	0.2072
*29	ENSTRO	32	f	s	e	f	2	8	-0.01	597.66	6.07	0.8059
Subtotal 29									-0.26	899.71	14.12	
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	3.40	0.0395
33	MCGHEE	1	m	h	p	f	2	2	0.26	24.91	0.73	0.1904
33	MCGHEE	2	f	h	p	f	2	2	0.33	26.31	1.50	0.0912
Subtotal 33									0.41	51.22	2.23	
*34	QURESH	1	f	s	m	b	2	7	0.05	54.13	0.10	0.7196
36	STRANG	22	m	h	e	n	2	0	-0.02	21.86	0.25	0.9391
36	STRANG	14	f	h	e	n	2	0	0.26	8.82	0.26	0.4361
Subtotal 36									0.06	30.68	0.51	
37	TEO	1	c	t	c	n	2	6	0.31	656.19	32.95	0.0000
*38	WEN	17	f	s	m	f	2	9	-0.01	37.13	0.38	0.9512
*40	HILL1	2	m	h	c	f	2	9	0.04	137.04	0.36	0.6461
*40	HILL1	4	f	h	c	f	2	9	-0.02	130.35	1.60	0.8176
Subtotal 40									-0.16	267.40	1.97	
*41	HILL2	2	m	h	c	f	2	9	0.17	93.46	0.52	0.1096
*41	HILL2	4	f	h	c	f	2	9	0.24	55.32	1.22	0.0754
Subtotal 41									0.22	148.79	1.74	

Relative risks

	N	54
	NS	35
	Wt	6824.55
	Het Chi	133.77
	Het df	53
	Het P	***
Fixed	RR	1.09
	RRl	1.07
	RRu	1.12
	P	+++
Random	RR	1.15
	RRl	1.09
	RRu	1.21
	P	+++
Asymm	P	**

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = 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), 12-JUN-08
 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														
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	1.37	(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)
*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)
36	STRANG	22	m	h	e	n	2	0	156	370	39	91	0.98	(0.65- 1.50)
36	STRANG	14	f	h	e	n	2	0	78	671	11	123	1.30	(0.67- 2.51)
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 2
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 12-JUN-08
 Overall - unadjusted

Overall

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Exposed		Non-exposed		RR	95.00%CI
								Case	Cont	Case	Cont		
37 TEO	1	c	t	c	n	2	6	-	-	-	-	1.37 (1.27- 1.48)	
*38 WEN	17	f	s	m	f	2	9	-	-	-	-	0.99 (0.72- 1.37)	
*40 HILL1	1	m	h	c	f	2	2	-	-	-	-	1.00 (0.85- 1.18)	
*40 HILL1	3	f	h	c	f	2	2	-	-	-	-	0.98 (0.83- 1.15)	
Subtotal 40												0.99 (0.88- 1.11)	
*41 HILL2	1	m	h	c	f	2	2	-	-	-	-	1.07 (0.86- 1.32)	
*41 HILL2	3	f	h	c	f	2	2	-	-	-	-	1.26 (0.98- 1.63)	
Subtotal 41												1.15 (0.97- 1.35)	
Partial Totals								3158	98585	3700	81775		

*prospective study

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	0.38	0.9867
*2 GARLAN	1	f	s	e	f	2	0	1.25	1.81	2.56	0.0912
3 LEE	1	m	s	m	n	2	0	0.29	7.10	0.37	0.4340
3 LEE	3	f	s	m	n	2	0	-0.03	12.62	0.11	0.9185
Subtotal 3								0.13	19.72	0.48	
4 MARTIN	1	f	s	e	n	2	6	0.96	6.33	5.00	0.0162
*5 SVENDS	1	m	s	c	b	2	0	0.38	15.65	1.57	0.1296
*6 BUTLER	1	f	s	e	f	2	0	0.30	15.03	0.85	0.2372
*8 HOLE	3	m	h	e	f	2	5	0.55	13.29	3.08	0.0457
*8 HOLE	2	f	h	e	f	2	5	0.50	7.04	1.33	0.1838
Subtotal 8								0.92	20.33	4.41	
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	5.18	0.0168
Subtotal 9								1.35	6.76	5.19	
*10 SANDLE	1	m	h	c	f	2	0	0.14	90.22	0.47	0.1881
*10 SANDLE	3	f	h	c	f	2	0	-0.35	262.43	46.18	0.0000
Subtotal 10								-0.35	352.64	46.65	
*11 HUMBLE	1	f	s	c	f	8	4	0.46	16.88	2.66	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	3.77	0.0240
Subtotal 12								0.38	34.39	3.78	
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	0.95	0.6223
14 LAYARD	9	f	s	e	f	2	0	-0.00	155.06	0.70	0.9954
Subtotal 14								-0.20	208.02	1.65	
*15 LEVOIS	1	m	s	e	f	2	2	-0.03	646.64	6.08	0.4386
*15 LEVOIS	6	f	s	e	f	2	2	0.03	1627.60	2.22	0.2331
Subtotal 15								-0.13	2274.24	8.30	
17 MUSCAT	1	m	s	e	n	2	0	0.32	8.14	0.54	0.3546
17 MUSCAT	2	f	s	e	n	2	0	0.28	5.82	0.27	0.4970
Subtotal 17								0.47	13.96	0.81	
18 TUNSTA	1	c	t	c	n	2	0	0.28	62.37	2.78	0.0283
*19 STEENL	3	m	s	e	f	2	12	0.09	345.72	0.13	0.1091
*19 STEENL	4	f	s	e	f	2	13	0.04	314.64	0.23	0.4866
Subtotal 19								-0.01	660.35	0.37	
20 JANGHO	1	f	s	e	n	2	0	0.32	27.39	1.78	0.0922
*21 KAWACH	11	f	h	c	b	2	15	0.43	9.45	1.22	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	1.24	0.1800
Subtotal 22								0.26	19.65	1.28	
23 MCELDU	3	m	t	c	b	2	0	-0.23	29.19	2.61	0.2093
23 MCELDU	1	f	t	c	b	2	0	0.63	16.76	5.25	0.0104
Subtotal 23								0.26	45.95	7.86	
25 HE	1	f	s	e	n	2	0	0.84	17.19	10.30	0.0005
26 IRIBAR	4	m	h	c	n	2	11	0.12	268.97	0.84	0.0450
26 IRIBAR	19	f	h	c	n	2	11	0.18	495.01	6.64	0.0000
Subtotal 26								0.17	763.97	7.48	
27 ROSENL	1	m	s	e	n	2	0	-0.05	26.10	0.37	0.7851
27 ROSENL	13	f	s	e	n	2	0	0.29	20.97	1.02	0.1879
Subtotal 27								0.10	47.07	1.40	

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- 3) TYP Disease type = both (b), fatal (f), non-fatal (n); and (CVD)-(Stroke) in preference to CVD
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Table 2
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 12-JUN-08
 Overall - unadjusted

Overall

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Ys	Ws	Qs	Ps
28	PITSAV	9	c	h	c	n	a	6	0.29	23.73	1.13	0.1648
*29	ENSTRO	8	m	s	e	f	2	1	-0.06	344.13	5.67	0.2510
*29	ENSTRO	24	f	s	e	f	2	1	0.01	797.17	2.55	0.7788
Subtotal 29									-0.18	1141.29	8.22	
30	CHEN	10	c	h	c	n	2	10	0.18	11.72	0.16	0.5326
31	NISHTA	3	c	s	e	n	1	1	0.87	5.64	3.61	0.0395
33	MCGHEE	5	m	h	p	f	2	0	0.24	29.42	0.87	0.1963
33	MCGHEE	6	f	h	p	f	2	0	0.27	33.81	1.42	0.1147
Subtotal 33									0.38	63.24	2.29	
*34	QURESH	2	f	s	m	b	2	0	0.16	54.27	0.49	0.2341
36	STRANG	22	m	h	e	n	2	0	-0.02	21.86	0.15	0.9391
36	STRANG	14	f	h	e	n	2	0	0.26	8.82	0.34	0.4361
Subtotal 36									0.11	30.68	0.49	
37	TEO	1	c	t	c	n	2	6	0.31	656.19	40.46	0.0000
*38	WEN	17	f	s	m	f	2	9	-0.01	37.13	0.22	0.9512
*40	HILL1	1	m	h	c	f	2	2	0.00	142.80	0.63	1.0000
*40	HILL1	3	f	h	c	f	2	2	-0.02	144.50	1.09	0.8081
Subtotal 40									-0.15	287.30	1.72	
*41	HILL2	1	m	h	c	f	2	2	0.07	83.70	0.00	0.5359
*41	HILL2	3	f	h	c	f	2	2	0.23	59.36	1.61	0.0750
Subtotal 41									0.17	143.06	1.61	

Relative risks

	N	54
	NS	35
	Wt	7193.98
	Het Chi	179.29
	Het df	53
	Het P	***
Fixed	RR	1.07
	RR1	1.04
	RRu	1.09
	P	+++
Random	RR	1.13
	RR1	1.07
	RRu	1.20
	P	+++
Asymm	P	**

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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 3
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 12-JUN-08
 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)
37	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	(0.58- 2.67)
*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)
36	STRANG	22	m	h	e	n	2	0	156	370	39	91	0.98	(0.65- 1.50)
*40	HILL1	2	m	h	c	f	2	9	-	-	-	-	1.04	(0.88- 1.23)
*41	HILL2	2	m	h	c	f	2	9	-	-	-	-	1.18	(0.96- 1.44)
Partial Totals									185	416	142	314		

*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	(0.53- 1.64)
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	STRANG	14	f	h	e	n	2	0	78	671	11	123	1.30	(0.67- 2.51)

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

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- 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), 12-JUN-08
 By sex - adjusted

female

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Exposed		Non-exposed		RR	95.00%CI	
									Case	Cont	Case	Cont			
*38	WEN	17	f	s	m	f	2	9	-	-	-	-	0.99	(0.72-	1.37)
*40	HILL1	4	f	h	c	f	2	9	-	-	-	-	0.98	(0.83-	1.17)
*41	HILL2	4	f	h	c	f	2	9	-	-	-	-	1.27	(0.98-	1.66)
Partial Totals									201	837	177	463			

*prospective study

Relative risks	combined		male	female	Total
	N				
	NS	5	20	29	54
		5	20	29	54
	Wt	774.82	2081.29	3968.44	6824.55
	Het Chi	1.98	25.39	61.24	133.77
	Het df	4	19	28	53
	Het P	N.S.	N.S.	***	***
Fixed	RR	1.37	1.04	1.08	1.09
	RRl	1.28	1.00	1.04	1.07
	RRu	1.47	1.09	1.11	1.12
	P	+++	(+)	+++	+++
Random	RR	1.37	1.06	1.16	1.15
	RRl	1.28	1.00	1.08	1.09
	RRu	1.47	1.13	1.24	1.21
	P	+++	(+)	+++	+++
Asymm	P	N.S.	(*)	***	**
Between	Chi		42.58	37.16	45.15
Between	df		1	1	2
Between	P		---	---	***
Btwn(F)	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 4
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 12-JUN-08
 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)
37	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)
36	STRANG	22	m	h	e	n	2	0	156	370	39	91	0.98	(0.65- 1.50)
*40	HILL1	1	m	h	c	f	2	2	-	-	-	-	1.00	(0.85- 1.18)
*41	HILL2	1	m	h	c	f	2	2	-	-	-	-	1.07	(0.86- 1.32)
Partial Totals									657	2617	1715	6533		

*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	STRANG	14	f	h	e	n	2	0	78	671	11	123	1.30	(0.67- 2.51)

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), 12-JUN-08
 By sex - unadjusted

female

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*38	WEN	17	f	s	m	f	2	9	-	-	-	-	0.99	(0.72- 1.37)
*40	HILL1	3	f	h	c	f	2	2	-	-	-	-	0.98	(0.83- 1.15)
*41	HILL2	3	f	h	c	f	2	2	-	-	-	-	1.26	(0.98- 1.63)
Partial Totals									2172	94752	1886	74759		

*prospective study

Relative risks	combined		male	female	Total
		N	5	20	29	54
	NS	5	20	29	54
	Wt	759.65	2154.92	4279.41	7193.98
	Het Chi	2.03	20.69	104.52	179.29
	Het df	4	19	28	53
	Het P	N.S.	N.S.	***	***
Fixed	RR	1.37	1.03	1.04	1.07
	RRl	1.27	0.98	1.01	1.04
	RRu	1.47	1.07	1.08	1.09
	P	+++	N.S.	++	+++
Random	RR	1.37	1.03	1.16	1.13
	RRl	1.27	0.98	1.07	1.07
	RRu	1.47	1.08	1.26	1.20
	P	+++	N.S.	+++	+++
Asymm	P	N.S.	N.S.	**	**
Between	Chi		46.53	46.77	52.06
Between	df		1	1	2
Between	P		---	---	***
Btwn(F)	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 5
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 12-JUN-08
 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													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)
*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)
*34	QURESH	1	f	s	m	b	2	7	-	-	-	-	1.05	(0.81- 1.38)
36	STRANG	22	m	h	e	n	2	0	156	370	39	91	0.98	(0.65- 1.50)
36	STRANG	14	f	h	e	n	2	0	78	671	11	123	1.30	(0.67- 2.51)
Subtotal 36													1.07	(0.75- 1.52)
Partial Totals									282	1093	116	320		
*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	(0.58- 2.67)
3	LEE	4	f	s	m	n	2	2	-	-	-	-	0.93	(0.53- 1.64)
Subtotal 3													1.03	(0.65- 1.62)
*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	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)
Partial Totals									41	60	66	157		
*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 5
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 12-JUN-08
 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)
*38	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)
37	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37	(1.27- 1.48)
*40	HILL1	2	m	h	c	f	2	9	-	-	-	-	1.04	(0.88- 1.23)
*40	HILL1	4	f	h	c	f	2	9	-	-	-	-	0.98	(0.83- 1.17)
Subtotal 40													1.01	(0.90- 1.14)
*41	HILL2	2	m	h	c	f	2	9	-	-	-	-	1.18	(0.96- 1.44)
*41	HILL2	4	f	h	c	f	2	9	-	-	-	-	1.27	(0.98- 1.66)
Subtotal 41													1.21	(1.03- 1.42)
Partial Totals									0	0	0	0		

*prospective study

Relative risks	NAmerica		Europe	Asia	Other	Total
	N	NS				
	23	15	11	7	13	54
			7	6	7	35
	Wt	5248.46	202.86	220.78	1152.45	6824.55
	Het Chi	45.02	5.76	6.16	37.12	133.77
	Het df	22	10	6	12	53
	Het P	**	N.S.	N.S.	***	***
	Fixed RR	1.05	1.29	1.24	1.26	1.09
	RRl	1.02	1.12	1.09	1.19	1.07
	RRu	1.08	1.48	1.41	1.33	1.12
	P	+++	+++	++	+++	+++
	Random RR	1.08	1.29	1.24	1.24	1.15
	RRl	1.02	1.12	1.08	1.07	1.09
	RRu	1.13	1.48	1.42	1.44	1.21
	P	++	+++	++	++	+++
	Asymm P	*	N.S.	*	N.S.	**
	Between Chi		7.99	5.75	30.58	39.70
	Between df		1	1	1	3
	Between P		++	+	+++	***
	Btwn(F) 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 6
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 12-JUN-08
 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)
36	STRANG	22	m	h	e	n	2	0	156	370	39	91	0.98	(0.65- 1.50)
36	STRANG	14	f	h	e	n	2	0	78	671	11	123	1.30	(0.67- 2.51)
Subtotal 36														
Partial Totals									1705	26248	1827	55731		
*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														

 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), 12-JUN-08
 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)
*38 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)
37 TEO 1		c	t	c	n	2	6	-	-	-	-	1.37	(1.27- 1.48)
*40 HILL1 1		m	h	c	f	2	2	-	-	-	-	1.00	(0.85- 1.18)
*40 HILL1 3		f	h	c	f	2	2	-	-	-	-	0.98	(0.83- 1.15)
Subtotal 40												0.99	(0.88- 1.11)
*41 HILL2 1		m	h	c	f	2	2	-	-	-	-	1.07	(0.86- 1.32)
*41 HILL2 3		f	h	c	f	2	2	-	-	-	-	1.26	(0.98- 1.63)
Subtotal 41												1.15	(0.97- 1.35)
Partial Totals								193	499	769	1943		

*prospective study

Relative risks	NAmerica		Europe	Asia	Other	Total
	N	23	11	7	13	54
	NS	15	7	6	7	35
	Wt	5564.58	195.21	240.89	1193.30	7193.98
	Het Chi	78.99	5.25	15.30	38.34	179.29
	Het df	22	10	6	12	53
	Het P	***	N.S.	*	***	***
	Fixed RR	1.03	1.26	1.20	1.23	1.07
	RRl	1.00	1.09	1.06	1.16	1.04
	RRu	1.05	1.45	1.36	1.30	1.09
	P	(+)	++	++	+++	+++
	Random RR	1.05	1.26	1.31	1.18	1.13
	RRl	0.99	1.09	1.05	1.03	1.07
	RRu	1.12	1.45	1.63	1.37	1.20
	P	N.S.	++	+	+	+++
	Asymm P	N.S.	N.S.	*	N.S.	**
	Between Chi		7.93	5.73	32.33	41.40
	Between df		1	1	1	3
	Between P		++	+	+++	***
	Btwn(F) 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 7
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 12-JUN-08
 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 (0.58- 2.67)	
3 LEE	4	f	s	m	n	2	2	-	-	-	-	0.93 (0.53- 1.64)	
Subtotal 3												1.03 (0.65- 1.62)	
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												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

 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), 12-JUN-08
 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

2001-04

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 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)
*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)
Partial Totals								0	0	0	0		

*prospective study

2005-08

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Exposed		Non-exposed		RR	95.00%CI
								Case	Cont	Case	Cont		
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	STRANG 22	m	h	e	n	2	0	156	370	39	91	0.98	(0.65- 1.50)
36	STRANG 14	f	h	e	n	2	0	78	671	11	123	1.30	(0.67- 2.51)
Subtotal 36								-	-	-	-	1.07	(0.75- 1.52)
37	TEO 1	c	t	c	n	2	6	-	-	-	-	1.37	(1.27- 1.48)
*38	WEN 17	f	s	m	f	2	9	-	-	-	-	0.99	(0.72- 1.37)
*40	HILL1 2	m	h	c	f	2	9	-	-	-	-	1.04	(0.88- 1.23)
*40	HILL1 4	f	h	c	f	2	9	-	-	-	-	0.98	(0.83- 1.17)
Subtotal 40								-	-	-	-	1.01	(0.90- 1.14)
*41	HILL2 2	m	h	c	f	2	9	-	-	-	-	1.18	(0.96- 1.44)
*41	HILL2 4	f	h	c	f	2	9	-	-	-	-	1.27	(0.98- 1.66)
Subtotal 41								-	-	-	-	1.21	(1.03- 1.42)
Partial Totals								234	1041	50	214		

*prospective study

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 1) EXP Exposure = spouse (s), household (h), total (t)
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 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), 12-JUN-08
 By publication year (grouped) - adjusted

	1984-88	1989-92	1993-96	1997-00	2001-04	2005-08	Total
Relative risks							
N	7	11	9	7	9	11	54
NS	6	6	5	5	6	7	35
Wt	144.00	368.15	3222.30	99.15	1745.40	1245.54	6824.55
Het Chi	7.24	13.86	10.32	9.45	24.22	23.12	133.77
Het df	6	10	8	6	8	10	53
Het P	N.S.	N.S.	N.S.	N.S.	**	*	***
Fixed RR	1.22	1.29	1.03	1.32	1.07	1.23	1.09
RRl	1.04	1.17	0.99	1.09	1.02	1.16	1.07
RRu	1.44	1.43	1.07	1.61	1.12	1.30	1.12
P	+	+++	(+)	++	++	+++	+++
Random RR	1.26	1.39	1.04	1.37	1.10	1.15	1.15
RRl	1.02	1.18	0.99	1.06	0.99	1.04	1.09
RRu	1.55	1.64	1.08	1.77	1.23	1.28	1.21
P	+	+++	N.S.	+	(+)	++	+++
Asymm P	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	**
Between Chi		0.31	4.15	0.35	2.49	0.00	45.55
Between df		1	1	1	1	1	5
Between P		N.S.	-	N.S.	N.S.	N.S.	***
Btwn(F) 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) 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 8
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 12-JUN-08
 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

 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 8
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 12-JUN-08
 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

2001-04

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 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)
Partial Totals								118	232	200	429		

*prospective study

2005-08

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Exposed		Non-exposed		RR	95.00%CI
								Case	Cont	Case	Cont		
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)
36	STRANG 22	m	h	e	n	2	0	156	370	39	91	0.98	(0.65- 1.50)
36	STRANG 14	f	h	e	n	2	0	78	671	11	123	1.30	(0.67- 2.51)
Subtotal 36												1.07	(0.75- 1.52)
37	TEO 1	c	t	c	n	2	6	-	-	-	-	1.37	(1.27- 1.48)
*38	WEN 17	f	s	m	f	2	9	-	-	-	-	0.99	(0.72- 1.37)
*40	HILL1 1	m	h	c	f	2	2	-	-	-	-	1.00	(0.85- 1.18)
*40	HILL1 3	f	h	c	f	2	2	-	-	-	-	0.98	(0.83- 1.15)
Subtotal 40												0.99	(0.88- 1.11)
*41	HILL2 1	m	h	c	f	2	2	-	-	-	-	1.07	(0.86- 1.32)
*41	HILL2 3	f	h	c	f	2	2	-	-	-	-	1.26	(0.98- 1.63)
Subtotal 41												1.15	(0.97- 1.35)
Partial Totals								561	3085	526	1965		

*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 8
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 12-JUN-08
 By publication year (grouped) - unadjusted

	1984-88	1989-92	1993-96	1997-00	2001-04	2005-08	Total
Relative risks							
N	7	11	9	7	9	11	54
NS	6	6	5	5	6	7	35
Wt	148.83	441.28	3218.94	119.63	1993.42	1271.88	7193.98
Het Chi	10.05	50.58	9.01	16.09	21.99	25.86	179.29
Het df	6	10	8	6	8	10	53
Het P	N.S.	***	N.S.	*	**	**	***
Fixed RR	1.15	0.90	1.03	1.35	1.07	1.22	1.07
RRl	0.98	0.82	0.99	1.13	1.02	1.15	1.04
RRu	1.35	0.99	1.06	1.61	1.11	1.29	1.09
P	(+)	-	N.S.	++	++	+++	+++
Random RR	1.29	1.29	1.03	1.40	1.09	1.14	1.13
RRl	1.00	0.96	0.99	1.03	0.99	1.02	1.07
RRu	1.68	1.74	1.07	1.89	1.21	1.28	1.20
P	(+)	(+)	N.S.	+	(+)	+	+++
Asymm P	*	**	N.S.	N.S.	N.S.	N.S.	**
Between Chi		6.40	1.79	1.64	0.79	0.43	45.71
Between df		1	1	1	1	1	5
Between P		-	N.S.	N.S.	N.S.	N.S.	***
Btwn(F) 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) 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), 12-JUN-08
 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 (0.58- 2.67)	
3 LEE 4		f	s	m	n	2	2	-	-	-	-	0.93 (0.53- 1.64)	
Subtotal 3												1.03 (0.65- 1.62)	
*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 STRANG 22		m	h	e	n	2	0	156	370	39	91	0.98 (0.65- 1.50)	
36 STRANG 14		f	h	e	n	2	0	78	671	11	123	1.30 (0.67- 2.51)	
Subtotal 36												1.07 (0.75- 1.52)	
*38 WEN 17		f	s	m	f	2	9	-	-	-	-	0.99 (0.72- 1.37)	
Partial Totals								297	1141	187	514		

*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 9
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 12-JUN-08
 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)
37	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37	(1.27-	1.48)
*40	HILL1	2	m	h	c	f	2	9	-	-	-	-	1.04	(0.88-	1.23)
*40	HILL1	4	f	h	c	f	2	9	-	-	-	-	0.98	(0.83-	1.17)
Subtotal 40													1.01	(0.90-	1.14)
*41	HILL2	2	m	h	c	f	2	9	-	-	-	-	1.18	(0.96-	1.44)
*41	HILL2	4	f	h	c	f	2	9	-	-	-	-	1.27	(0.98-	1.66)
Subtotal 41													1.21	(1.03-	1.42)
Partial Totals									0	0	0	0			
*prospective study															

Relative risks		1-99	100-199	200-999	1000+	Total
	N	6	10	21	17	54
	NS	6	6	14	9	35
	Wt	60.60	84.75	521.54	6157.66	6824.55
	Het Chi	5.41	3.56	27.56	76.19	133.77
	Het df	5	9	20	16	53
	Het P	N.S.	N.S.	N.S.	***	***
	Fixed RR	1.60	1.37	1.22	1.08	1.09
	RRl	1.24	1.11	1.12	1.05	1.07
	RRu	2.06	1.70	1.33	1.10	1.12
	P	+++	++	+++	+++	+++
	Random RR	1.61	1.37	1.24	1.09	1.15
	RRl	1.24	1.11	1.11	1.02	1.09
	RRu	2.10	1.70	1.38	1.15	1.21
	P	+++	++	+++	++	+++
	Asymm P	N.S.	N.S.	N.S.	N.S.	**
	Between Chi		0.80	3.89	9.34	21.05
	Between df		1	1	1	3
	Between P		N.S.	-	--	***
	Btwn(F) P		N.S.	N.S.	N.S.	*

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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 10
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 12-JUN-08
 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 (0.58- 2.67)		
3 LEE 4	f	s	m	n	2	2	-	-	-	-	0.93 (0.53- 1.64)		
Subtotal 3											1.03 (0.65- 1.62)		
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 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)		
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 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)		
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 STRANG 22	m	h	e	n	2	0	156	370	39	91	0.98 (0.65- 1.50)		
36 STRANG 14	f	h	e	n	2	0	78	671	11	123	1.30 (0.67- 2.51)		
Subtotal 36											1.07 (0.75- 1.52)		
37 TEO 1	c	t	c	n	2	6	-	-	-	-	1.37 (1.27- 1.48)		
Partial Totals							386	1253	319	777			

*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											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 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)		
*21 KAWACH 11	f	h	c	b	2	15	-	-	-	-	1.53 (0.81- 2.90)		
*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)		

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), 12-JUN-08
 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
Subtotal 29													
*34	QURESH 1	f	s	m	b	2	7	-	-	-	-	1.05	(0.81- 1.38)
*38	WEN 17	f	s	m	f	2	9	-	-	-	-	0.99	(0.72- 1.37)
*40	HILL1 2	m	h	c	f	2	9	-	-	-	-	1.04	(0.88- 1.23)
*40	HILL1 4	f	h	c	f	2	9	-	-	-	-	0.98	(0.83- 1.17)
Subtotal 40													
*41	HILL2 2	m	h	c	f	2	9	-	-	-	-	1.18	(0.96- 1.44)
*41	HILL2 4	f	h	c	f	2	9	-	-	-	-	1.27	(0.98- 1.66)
Subtotal 41													
Partial Totals								0	0	0	0	1.21	(1.03- 1.42)

*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													
30	CHEN 10	c	h	c	n	2	10	-	-	-	-	1.20	(0.70- 2.20)
Partial Totals								0	0	0	0		

*prospective study

		case-cont	prospecti	crosssect	Total
Relative risks					
	N	27	22	5	54
	NS	16	15	4	35
	Wt	1166.75	4798.24	859.56	6824.55
	Het Chi	43.72	36.33	5.69	133.77
	Het df	26	21	4	53
	Het P	*	*	N.S.	***
Fixed	RR	1.28	1.04	1.20	1.09
	RRl	1.21	1.01	1.12	1.07
	RRu	1.35	1.07	1.28	1.12
	P	+++	++	+++	+++
Random	RR	1.25	1.07	1.21	1.15
	RRl	1.13	1.02	1.10	1.09
	RRu	1.40	1.12	1.33	1.21
	P	+++	++	+++	+++
Asymm	P	N.S.	***	N.S.	**
Between	Chi		40.33	2.13	48.02
Between	df		1	1	2
Between	P		---	N.S.	***
Btwn(F)	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), 12-JUN-08
By total number of confounders considered in the study (grouped) - adjusted

0-2								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)	
3	LEE 2	m	s	m	n	2	2	-	-	-	-	1.24 (0.58- 2.67)	
3	LEE 4	f	s	m	n	2	2	-	-	-	-	0.93 (0.53- 1.64)	
Subtotal 3												1.14 (0.94- 1.37)	
*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)	
*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)	
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								Number Exposed		Non-exposed		RR	95.00%CI
StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Case	Cont	Case	Cont		
*10	SANDLE 2	m	h	c	f	2	4	-	-	-	-	1.31 (1.05- 1.64)	
*10	SANDLE 4	f	h	c	f	2	4	-	-	-	-	1.19 (1.04- 1.36)	
Subtotal 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+								Number Exposed		Non-exposed		RR	95.00%CI
StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	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												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)	
*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)	
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)	

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), 12-JUN-08
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													
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)	
*34	QURESH 1	f	s	m	b	2	7	-	-	-	-	1.05 (0.81- 1.38)	
36	STRANG 22	m	h	e	n	2	0	156	370	39	91	0.98 (0.65- 1.50)	
36	STRANG 14	f	h	e	n	2	0	78	671	11	123	1.30 (0.67- 2.51)	
Subtotal 36													
37	TEO 1	c	t	c	n	2	6	-	-	-	-	1.37 (1.27- 1.48)	
*38	WEN 17	f	s	m	f	2	9	-	-	-	-	0.99 (0.72- 1.37)	
*40	HILL1 2	m	h	c	f	2	9	-	-	-	-	1.04 (0.88- 1.23)	
*40	HILL1 4	f	h	c	f	2	9	-	-	-	-	0.98 (0.83- 1.17)	
Subtotal 40													
*41	HILL2 2	m	h	c	f	2	9	-	-	-	-	1.18 (0.96- 1.44)	
*41	HILL2 4	f	h	c	f	2	9	-	-	-	-	1.27 (0.98- 1.66)	
Subtotal 41													
Partial Totals								275	1101	116	371	1.21 (1.03- 1.42)	
*prospective study													
Relative risks							0-2	3-4	5+	Total			
							N	12	10	32	54		
							NS	8	6	21	35		
							Wt	2676.30	457.35	3690.90	6824.55		
							Het Chi	14.31	16.65	78.50	133.77		
							Het df	11	9	31	53		
							Het P	N.S.	(*)	***	***		
							Fixed RR	1.03	1.27	1.13	1.09		
							RRl	0.99	1.16	1.09	1.07		
							RRu	1.07	1.39	1.16	1.12		
							P	N.S.	+++	+++	+++		
							Random RR	1.04	1.32	1.15	1.15		
							RRl	0.98	1.13	1.07	1.09		
							RRu	1.11	1.55	1.23	1.21		
							P	N.S.	+++	+++	+++		
							Asymm P	*	N.S.	N.S.	**		
							Between Chi		17.60	13.66	24.30		
							Between df		1	1	2		
							Between P		+++	+++	***		
							Btwn(F) 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), 12-JUN-08
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)
*40	HILL1	2	m	h	c	f	2	9	-	-	-	-	1.04	(0.88-	1.23)
*40	HILL1	4	f	h	c	f	2	9	-	-	-	-	0.98	(0.83-	1.17)
Subtotal 40													1.01	(0.90-	1.14)
*41	HILL2	2	m	h	c	f	2	9	-	-	-	-	1.18	(0.96-	1.44)
*41	HILL2	4	f	h	c	f	2	9	-	-	-	-	1.27	(0.98-	1.66)
Subtotal 41													1.21	(1.03-	1.42)
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	(0.58-	2.67)
3	LEE	4	f	s	m	n	2	2	-	-	-	-	0.93	(0.53-	1.64)
Subtotal 3													1.14	(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)

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), 12-JUN-08
 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
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)
36 STRANG 22		m	h	e	n	2	0	156	370	0.98	(0.65- 1.50)
36 STRANG 14		f	h	e	n	2	0	78	671	1.30	(0.67- 2.51)
Subtotal 36										1.07	(0.75- 1.52)
37 TEO 1		c	t	c	n	2	6	-	-	1.37	(1.27- 1.48)
*38 WEN 17		f	s	m	f	2	9	-	-	0.99	(0.72- 1.37)
Partial Totals								386	1253	319	777

*prospective study

Relative risks	none	no assoc	sig assoc	results g	Total
N		15		39	54
NS		10		25	35
Wt	859.97			5964.58	6824.55
Het Chi	30.22			100.62	133.77
Het df	14			38	53
Het P	**			***	***
Fixed RR	1.16			1.09	1.09
RRl	1.08			1.06	1.07
RRu	1.24			1.11	1.12
P	+++			+++	+++
Random RR	1.20			1.14	1.15
RRl	1.07			1.07	1.09
RRu	1.35			1.21	1.21
P	++			+++	+++
Asymm P	(*)			*	**
Between Chi				2.92	2.92
Between df				1	1
Between P		N.S.	N.S.	(-)	(*)
Btwn(F) P		N.S.	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 13
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 12-JUN-08
 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	5	f	s	e	f	2	5	-	-	-	-	2.70 (0.63- 11.58)	
3	LEE	2	m	s	m	n	2	2	-	-	-	-	1.24 (0.58- 2.67)	
3	LEE	4	f	s	m	n	2	2	-	-	-	-	0.93 (0.53- 1.64)	
Subtotal 3													1.03 (0.65- 1.62)	
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)	
*38	WEN	17	f	s	m	f	2	9	-	-	-	-	0.99 (0.72- 1.37)	
Partial Totals									152	212	269	563		
*prospective study														

No														
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)	
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), 12-JUN-08
 By spouse the index or not - adjusted

No										Number Exposed		Non-exposed		RR	95.00%CI
StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Case	Cont	Case	Cont			
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)		
36	STRANG	22	m	h	e	n	2	0	156	370	39	91	0.98 (0.65- 1.50)		
36	STRANG	14	f	h	e	n	2	0	78	671	11	123	1.30 (0.67- 2.51)		
Subtotal 36													1.07 (0.75- 1.52)		
37	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37 (1.27- 1.48)		
*40	HILL1	2	m	h	c	f	2	9	-	-	-	-	1.04 (0.88- 1.23)		
*40	HILL1	4	f	h	c	f	2	9	-	-	-	-	0.98 (0.83- 1.17)		
Subtotal 40													1.01 (0.90- 1.14)		
*41	HILL2	2	m	h	c	f	2	9	-	-	-	-	1.18 (0.96- 1.44)		
*41	HILL2	4	f	h	c	f	2	9	-	-	-	-	1.27 (0.98- 1.66)		
Subtotal 41													1.21 (1.03- 1.42)		
Partial Totals									234	1041	50	214			
*prospective study															

Relative risks		Yes	No	Total
	N	29	25	54
	NS	20	15	35
	Wt	4408.00	2416.55	6824.55
	Het Chi	37.98	44.34	133.77
	Het df	28	24	53
	Het P	(*)	**	***
Fixed	RR	1.03	1.23	1.09
	RRl	1.00	1.18	1.07
	RRu	1.06	1.28	1.12
	P	(+)	+++	+++
Random	RR	1.05	1.23	1.15
	RRl	1.00	1.14	1.09
	RRu	1.10	1.32	1.21
	P	(+)	+++	+++
Asymm	P	***	N.S.	**
Between	Chi		51.45	51.45
Between	df		1	1
Between	P		+++	***
Btwn(F)	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 14
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 12-JUN-08
 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														
*38	WEN	17	f	s	m	f	2	9	-	-	-	-	0.99	(0.72- 1.37)
*40	HILL1	2	m	h	c	f	2	9	-	-	-	-	1.04	(0.88- 1.23)
*40	HILL1	4	f	h	c	f	2	9	-	-	-	-	0.98	(0.83- 1.17)
Subtotal 40														
*41	HILL2	2	m	h	c	f	2	9	-	-	-	-	1.18	(0.96- 1.44)
*41	HILL2	4	f	h	c	f	2	9	-	-	-	-	1.27	(0.98- 1.66)
Subtotal 41														
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	(0.58- 2.67)
3	LEE	4	f	s	m	n	2	2	-	-	-	-	0.93	(0.53- 1.64)
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)
36	STRANG	22	m	h	e	n	2	0	156	370	39	91	0.98	(0.65- 1.50)

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), 12-JUN-08
 By heart disease type 1 - adjusted

Nonfatal

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Exposed		Non-exposed		RR	95.00%CI
								Case	Cont	Case	Cont		
36	STRANG 14	f	h	e	n	2	0	78	671	11	123	1.30 (0.67- 2.51)	
Subtotal 36													
37	TEO 1	c	t	c	n	2	6	-	-	-	-	1.37 (1.27- 1.48)	
Partial Totals								386	1253	319	777		

*prospective study

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													
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													
*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													
*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	23	22	9	54
	NS	14	15	6	35
	Wt	4967.84	1714.14	142.57	6824.55
	Het Chi	36.21	21.74	20.95	133.77
	Het df	22	21	8	53
	Het P	*	N.S.	**	***
Fixed	RR	1.04	1.27	1.26	1.09
	RRl	1.01	1.21	1.07	1.07
	RRu	1.07	1.33	1.49	1.12
	P	+	+++	++	+++
Random	RR	1.06	1.26	1.41	1.15
	RRl	1.01	1.20	1.05	1.09
	RRu	1.11	1.33	1.90	1.21
	P	+	+++	+	+++
Asymm	P	**	N.S.	N.S.	**
Between	Chi		51.88	5.44	54.87
Between	df		1	1	2
Between	P		+++	+	***
Btwn(F)	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 15
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 12-JUN-08
 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 (0.58- 2.67)		
3	LEE	4	f	s	m	n	2	2	-	-	-	-	0.93 (0.53- 1.64)		
Subtotal 3													1.03 (0.65- 1.62)		
*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)		
*40	HILL1	2	m	h	c	f	2	9	-	-	-	-	1.04 (0.88- 1.23)		
*40	HILL1	4	f	h	c	f	2	9	-	-	-	-	0.98 (0.83- 1.17)		
Subtotal 40													1.01 (0.90- 1.14)		
*41	HILL2	2	m	h	c	f	2	9	-	-	-	-	1.18 (0.96- 1.44)		
*41	HILL2	4	f	h	c	f	2	9	-	-	-	-	1.27 (0.98- 1.66)		
Subtotal 41													1.21 (1.03- 1.42)		
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)		
36	STRANG	22	m	h	e	n	2	0	156	370	39	91	0.98 (0.65- 1.50)		
36	STRANG	14	f	h	e	n	2	0	78	671	11	123	1.30 (0.67- 2.51)		
Subtotal 36													1.07 (0.75- 1.52)		
37	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37 (1.27- 1.48)		
Partial Totals									323	1153	182	477			
*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 15
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 12-JUN-08
 By heart disease type 2 - adjusted

other

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)	
*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													
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													
*34 QURESH	1	f	s	m	b	2	7	-	-	-	-	1.05 (0.81- 1.38)	
Partial Totals								0	0	0	0		
*prospective study													

mixed

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	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													
*21 KAWACH	11	f	h	c	b	2	15	-	-	-	-	1.53 (0.81- 2.90)	
28 PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33 (0.89- 1.99)	
*38 WEN	17	f	s	m	f	2	9	-	-	-	-	0.99 (0.72- 1.37)	
Partial Totals								0	0	0	0		
*prospective study													

Relative risks		N	IHD	MI	other	mixed	Total
			NS				
	Wt	2483.64	808.28	3412.13	120.50	6824.55	
	Het Chi	31.05	17.25	26.09	14.05	133.77	
	Het df	21	13	8	8	53	
	Het P	(*)	N.S.	**	(*)	***	
	Fixed RR	1.05	1.34	1.07	1.37	1.09	
	RRl	1.01	1.25	1.03	1.14	1.07	
	RRu	1.09	1.43	1.10	1.64	1.12	
	P	+	+++	+++	+++	+++	
	Random RR	1.08	1.28	1.12	1.45	1.15	
	RRl	1.02	1.11	1.04	1.12	1.09	
	RRu	1.14	1.48	1.21	1.88	1.21	
	P	++	+++	++	++	+++	
	Asymm P	***	N.S.	(*)	N.S.	**	
	Between Chi		36.29	0.47	8.09	45.32	
	Between df		1	1	1	3	
	Between P		+++	N.S.	++	***	
	Btwn(F) 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 16
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 12-JUN-08
 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	(0.58- 2.67)
3	LEE	4	f	s	m	n	2	2	-	-	-	-	0.93	(0.53- 1.64)
Subtotal 3													1.03	(0.65- 1.62)
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)
36	STRANG	25	m	h	c	n	2	0	18	58	177	403	0.71	(0.40- 1.23)
36	STRANG	17	f	h	c	n	2	0	11	104	78	690	0.94	(0.48- 1.82)
Subtotal 36													0.79	(0.52- 1.22)
37	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37	(1.27- 1.48)
*38	WEN	18	f	s	c	f	2	9	-	-	-	-	1.19	(0.84- 1.67)

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), 12-JUN-08
 Overall - adjusted

Overall

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Exposed		Non-exposed		RR	95.00%CI
								Case	Cont	Case	Cont		
*40 HILL1	2	m	h	c	f	2	9	-	-	-	-	1.04 (0.88- 1.23)	
*40 HILL1	4	f	h	c	f	2	9	-	-	-	-	0.98 (0.83- 1.17)	
Subtotal 40													
*41 HILL2	2	m	h	c	f	2	9	-	-	-	-	1.01 (0.90- 1.14)	
*41 HILL2	4	f	h	c	f	2	9	-	-	-	-	1.18 (0.96- 1.44)	
Subtotal 41													
Partial Totals								140	314	458	1499		

*prospective study

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	0.18	0.1655
*2 GARLAN	4	f	s	c	f	8	1	0.81	1.01	0.51	0.4145
3 LEE	2	m	s	m	n	2	2	0.22	6.59	0.08	0.5808
3 LEE	4	f	s	m	n	2	2	-0.07	12.04	0.37	0.8012
Subtotal 3											
4 MARTIN	1	f	s	e	n	2	6	0.96	6.33	4.60	0.0162
*5 SVENDS	2	m	s	c	b	2	6	0.48	14.27	1.99	0.0720
*6 BUTLER	4	f	s	c	f	8	1	0.34	3.77	0.21	0.5135
*8 HOLE	3	m	h	e	f	2	5	0.55	13.29	2.64	0.0457
*8 HOLE	2	f	h	e	f	2	5	0.50	7.04	1.12	0.1838
Subtotal 8											
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	4.08	0.0285
Subtotal 9											
*10 SANDLE	2	m	h	c	f	2	4	0.27	77.28	2.16	0.0176
*10 SANDLE	4	f	h	c	f	2	4	0.17	213.52	1.08	0.0110
Subtotal 10											
*11 HUMBLE	1	f	s	c	f	8	4	0.46	16.88	2.20	0.0567
12 DOBSON	4	m	h	c	b	2	2	-0.03	8.90	0.16	0.9276
12 DOBSON	2	f	h	c	b	2	2	0.90	14.40	9.16	0.0006
Subtotal 12											
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	0.86	0.8316
14 LAYARD	10	f	s	e	f	2	2	-0.01	147.49	1.88	0.9029
Subtotal 14											
*15 LEVOIS	2	m	s	c	f	8	2	-0.02	660.03	9.97	0.6037
*15 LEVOIS	7	f	s	c	f	8	2	0.04	1659.41	6.69	0.1101
Subtotal 15											
17 MUSCAT	1	m	s	e	n	2	0	0.32	8.14	0.40	0.3546
17 MUSCAT	2	f	s	e	n	2	0	0.28	5.82	0.19	0.4970
Subtotal 17											
18 TUNSTA	2	c	t	c	n	2	4	0.29	77.54	2.80	0.0100
*19 STEENL	1	m	s	c	f	8	12	0.20	212.64	1.96	0.0037
*19 STEENL	2	f	s	c	f	8	13	0.10	196.22	0.01	0.1818
Subtotal 19											
20 JANGHO	1	f	s	e	n	2	0	0.32	27.39	1.31	0.0922
*21 KAWACH	11	f	h	c	b	2	15	0.43	9.45	0.98	0.1912
22 CIRUZZ	7	m	s	c	n	2	9	0.17	6.63	0.03	0.6699
22 CIRUZZ	8	f	s	c	n	2	9	0.55	8.71	1.73	0.1058
Subtotal 22											
23 MCELDU	4	m	t	c	b	2	4	-0.20	24.21	2.20	0.3288
23 MCELDU	2	f	t	c	b	2	4	0.77	10.66	4.68	0.0124
Subtotal 23											
25 HE	2	f	s	e	n	2	6	0.47	12.11	1.63	0.1020
26 IRIBAR	4	m	h	c	n	2	11	0.12	268.97	0.10	0.0450
26 IRIBAR	19	f	h	c	n	2	11	0.18	495.01	3.14	0.0000
Subtotal 26											
27 ROSENL	4	m	s	c	n	8	8	-0.02	13.01	0.20	0.9419
27 ROSENL	16	f	s	c	n	8	8	0.95	7.55	5.44	0.0089
Subtotal 27											
28 PITSAV	9	c	h	c	n	a	6	0.29	23.73	0.79	0.1648
*29 ENSTRO	15	m	s	c	f	8	8	-0.08	207.79	7.20	0.2294
*29 ENSTRO	31	f	s	c	f	8	8	-0.03	502.87	8.92	0.4946
Subtotal 29											

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), 12-JUN-08
 Overall - adjusted

Overall

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Ys	Ws	Qs	Ps
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	3.29	0.0395
33	MCGHEE	1	m	h	p	f	2	2	0.26	24.91	0.63	0.1904
33	MCGHEE	2	f	h	p	f	2	2	0.33	26.31	1.35	0.0912
Subtotal 33									0.39	51.22	1.99	
*34	QURESH	1	f	s	m	b	2	7	0.05	54.13	0.16	0.7196
36	STRANG	25	m	h	c	n	2	0	-0.35	12.36	2.50	0.2222
36	STRANG	17	f	h	c	n	2	0	-0.07	8.71	0.25	0.8444
Subtotal 36									-0.62	21.07	2.75	
37	TEO	1	c	t	c	n	2	6	0.31	656.19	29.52	0.0000
*38	WEN	18	f	s	c	f	2	9	0.17	32.54	0.17	0.3211
*40	HILL1	2	m	h	c	f	2	9	0.04	137.04	0.55	0.6461
*40	HILL1	4	f	h	c	f	2	9	-0.02	130.35	1.97	0.8176
Subtotal 40									-0.19	267.40	2.52	
*41	HILL2	2	m	h	c	f	2	9	0.17	93.46	0.37	0.1096
*41	HILL2	4	f	h	c	f	2	9	0.24	55.32	1.03	0.0754
Subtotal 41									0.20	148.79	1.40	

Relative risks

	N	53
	NS	35
	Wt	6378.92
Het	Chi	135.57
Het	df	52
Het	P	***
Fixed	RR	1.11
	RRl	1.08
	RRu	1.14
	P	+++
Random	RR	1.17
	RRl	1.11
	RRu	1.24
	P	+++
Asymm	P	**

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = 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), 12-JUN-08
 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)
36	STRANG	25	m	h	c	n	2	0	18	58	177	403	0.71	(0.40- 1.23)
36	STRANG	17	f	h	c	n	2	0	11	104	78	690	0.94	(0.48- 1.82)
Subtotal 36													0.79	(0.52- 1.22)

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), 12-JUN-08
 Overall - unadjusted

Overall

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Exposed		Non-exposed		RR	95.00%CI
								Case	Cont	Case	Cont		
37 TEO	1	c	t	c	n	2	6	-	-	-	-	1.37 (1.27- 1.48)	
*38 WEN	18	f	s	c	f	2	9	-	-	-	-	1.19 (0.84- 1.67)	
*40 HILL1	1	m	h	c	f	2	2	-	-	-	-	1.00 (0.85- 1.18)	
*40 HILL1	3	f	h	c	f	2	2	-	-	-	-	0.98 (0.83- 1.15)	
Subtotal 40												0.99 (0.88- 1.11)	
*41 HILL2	1	m	h	c	f	2	2	-	-	-	-	1.07 (0.86- 1.32)	
*41 HILL2	3	f	h	c	f	2	2	-	-	-	-	1.26 (0.98- 1.63)	
Subtotal 41												1.15 (0.97- 1.35)	
Partial Totals								2835	89039	3905	82655		

*prospective study

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	0.53	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	0.33	0.4340
3 LEE	3	f	s	m	n	2	0	-0.03	12.62	0.15	0.9185
Subtotal 3								0.11	19.72	0.47	
4 MARTIN	1	f	s	e	n	2	6	0.96	6.33	4.87	0.0162
*5 SVENDS	1	m	s	c	b	2	0	0.38	15.65	1.45	0.1296
*6 BUTLER	3	f	s	c	f	8	0	0.14	3.76	0.02	0.7812
*8 HOLE	3	m	h	e	f	2	5	0.55	13.29	2.93	0.0457
*8 HOLE	2	f	h	e	f	2	5	0.50	7.04	1.26	0.1838
Subtotal 8								0.89	20.33	4.19	
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	5.09	0.0168
Subtotal 9								1.32	6.76	5.09	
*10 SANDLE	1	m	h	c	f	2	0	0.14	90.22	0.33	0.1881
*10 SANDLE	3	f	h	c	f	2	0	-0.35	262.43	48.87	0.0000
Subtotal 10								-0.37	352.64	49.19	
*11 HUMBLE	1	f	s	c	f	8	4	0.46	16.88	2.51	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	3.55	0.0240
Subtotal 12								0.36	34.39	3.57	
13 LAVECC	5	m	s	c	n	8	0	0.05	4.41	0.00	0.9214
13 LAVECC	3	f	s	c	n	8	0	0.27	3.87	0.15	0.5916
Subtotal 13								0.16	8.27	0.15	
14 LAYARD	1	m	s	e	f	2	0	-0.07	52.96	1.13	0.6223
14 LAYARD	9	f	s	e	f	2	0	-0.00	155.06	0.97	0.9954
Subtotal 14								-0.23	208.02	2.10	
*15 LEVOIS	2	m	s	c	f	8	2	-0.02	660.03	6.43	0.6037
*15 LEVOIS	7	f	s	c	f	8	2	0.04	1659.41	2.56	0.1101
Subtotal 15								-0.14	2319.43	9.00	
17 MUSCAT	1	m	s	e	n	2	0	0.32	8.14	0.49	0.3546
17 MUSCAT	2	f	s	e	n	2	0	0.28	5.82	0.24	0.4970
Subtotal 17								0.45	13.96	0.73	
18 TUNSTA	1	c	t	c	n	2	0	0.28	62.37	2.47	0.0283
*19 STEENL	1	m	s	c	f	8	12	0.20	212.64	3.08	0.0037
*19 STEENL	2	f	s	c	f	8	13	0.10	196.22	0.06	0.1818
Subtotal 19								0.14	408.86	3.13	
20 JANGHO	1	f	s	e	n	2	0	0.32	27.39	1.62	0.0922
*21 KAWACH	11	f	h	c	b	2	15	0.43	9.45	1.14	0.1912
22 CIRUZZ	5	m	s	c	n	2	0	-0.00	8.06	0.05	0.9912
22 CIRUZZ	6	f	s	c	n	2	0	0.39	11.59	1.15	0.1800
Subtotal 22								0.23	19.65	1.21	
23 MCELDU	3	m	t	c	b	2	0	-0.23	29.19	2.82	0.2093
23 MCELDU	1	f	t	c	b	2	0	0.63	16.76	5.03	0.0104
Subtotal 23								0.24	45.95	7.85	
25 HE	1	f	s	e	n	2	0	0.84	17.19	9.99	0.0005
26 IRIBAR	4	m	h	c	n	2	11	0.12	268.97	0.51	0.0450
26 IRIBAR	19	f	h	c	n	2	11	0.18	495.01	5.33	0.0000
Subtotal 26								0.15	763.97	5.85	
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	4.09	0.0241
Subtotal 27								0.67	23.71	4.09	

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), 12-JUN-08
 Overall - unadjusted

Overall

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Ys	Ws	Qs	Ps
28	PITSAV	9	c	h	c	n	a	6	0.29	23.73	1.01	0.1648
*29	ENSTRO	7	m	s	c	f	8	1	-0.06	238.19	4.70	0.3396
*29	ENSTRO	23	f	s	c	f	8	1	0.01	609.73	2.87	0.8059
Subtotal 29									-0.21	847.92	7.56	
30	CHEN	10	c	h	c	n	2	10	0.18	11.72	0.13	0.5326
31	NISHTA	3	c	s	e	n	1	1	0.87	5.64	3.51	0.0395
33	MCGHEE	5	m	h	p	f	2	0	0.24	29.42	0.75	0.1963
33	MCGHEE	6	f	h	p	f	2	0	0.27	33.81	1.26	0.1147
Subtotal 33									0.35	63.24	2.01	
*34	QURESH	2	f	s	m	b	2	0	0.16	54.27	0.37	0.2341
36	STRANG	25	m	h	c	n	2	0	-0.35	12.36	2.24	0.2222
36	STRANG	17	f	h	c	n	2	0	-0.07	8.71	0.18	0.8444
Subtotal 36									-0.57	21.07	2.42	
37	TEO	1	c	t	c	n	2	6	0.31	656.19	36.64	0.0000
*38	WEN	18	f	s	c	f	2	9	0.17	32.54	0.30	0.3211
*40	HILL1	1	m	h	c	f	2	2	0.00	142.80	0.88	1.0000
*40	HILL1	3	f	h	c	f	2	2	-0.02	144.50	1.41	0.8081
Subtotal 40									-0.18	287.30	2.29	
*41	HILL2	1	m	h	c	f	2	2	0.07	83.70	0.01	0.5359
*41	HILL2	3	f	h	c	f	2	2	0.23	59.36	1.38	0.0750
Subtotal 41									0.14	143.06	1.39	

Relative risks

	N	54
	NS	35
	Wt	6642.68
	Het Chi	179.27
	Het df	53
	Het P	***
Fixed	RR	1.08
	RRl	1.06
	RRu	1.11
	P	+++
Random	RR	1.14
	RRl	1.08
	RRu	1.22
	P	+++
Asymm	P	*

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = 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), 12-JUN-08
 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)
37	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	(0.58- 2.67)
*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)
36	STRANG	25	m	h	c	n	2	0	18	58	177	403	0.71	(0.40- 1.23)
*40	HILL1	2	m	h	c	f	2	9	-	-	-	-	1.04	(0.88- 1.23)
*41	HILL2	2	m	h	c	f	2	9	-	-	-	-	1.18	(0.96- 1.44)
Partial Totals									38	83	225	486		

*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	(0.53- 1.64)
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	STRANG	17	f	h	c	n	2	0	11	104	78	690	0.94	(0.48- 1.82)
*38	WEN	18	f	s	c	f	2	9	-	-	-	-	1.19	(0.84- 1.67)

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), 12-JUN-08
 By sex - adjusted

female

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Exposed		Non-exposed		RR	95.00%CI
									Case	Cont	Case	Cont		
*40	HILL1	4	f	h	c	f	2	9	-	-	-	-	0.98	(0.83- 1.17)
*41	HILL2	4	f	h	c	f	2	9	-	-	-	-	1.27	(0.98- 1.66)
Partial Totals									102	231	233	1013		

*prospective study

Relative risks	combined		male	female	Total
		N	6	19	28	53
	NS	6	19	28	53
	Wt	781.77	1842.06	3755.09	6378.92
	Het Chi	2.09	29.80	63.49	135.57
	Het df	5	18	27	52
	Het P	N.S.	*	***	***
	Fixed RR	1.37	1.06	1.09	1.11
	RRl	1.27	1.01	1.05	1.08
	RRu	1.47	1.11	1.12	1.14
	P	+++	+	+++	+++
	Random RR	1.37	1.09	1.18	1.17
	RRl	1.27	1.01	1.10	1.11
	RRu	1.47	1.17	1.27	1.24
	P	+++	+	+++	+++
	Asymm P	N.S.	N.S.	***	**
	Between Chi		36.46	34.26	40.19
	Between df		1	1	2
	Between P		---	---	***
	Btwn(F) 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 19
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 12-JUN-08
 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)
37	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)
36	STRANG	25	m	h	c	n	2	0	18	58	177	403	0.71	(0.40- 1.23)
*40	HILL1	1	m	h	c	f	2	2	-	-	-	-	1.00	(0.85- 1.18)
*41	HILL2	1	m	h	c	f	2	2	-	-	-	-	1.07	(0.86- 1.32)
Partial Totals									491	2239	1853	6845		

*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	STRANG	17	f	h	c	n	2	0	11	104	78	690	0.94	(0.48- 1.82)

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), 12-JUN-08
 By sex - unadjusted

female

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Exposed		Non-exposed		RR	95.00%CI	
									Case	Cont	Case	Cont			
*38	WEN	18	f	s	c	f	2	9	-	-	-	-	1.19	(0.84-	1.67)
*40	HILL1	3	f	h	c	f	2	2	-	-	-	-	0.98	(0.83-	1.15)
*41	HILL2	3	f	h	c	f	2	2	-	-	-	-	1.26	(0.98-	1.63)
Partial Totals									2015	85584	1953	75327			

*prospective study

Relative risks		combined	male	female	Total
	N	5	20	29	54
	NS	5	20	29	54
	Wt	759.65	1907.54	3975.49	6642.68
	Het Chi	2.03	25.43	104.53	179.27
	Het df	4	19	28	53
	Het P	N.S.	N.S.	***	***
Fixed	RR	1.37	1.04	1.05	1.08
	RRl	1.27	1.00	1.02	1.06
	RRu	1.47	1.09	1.09	1.11
	P	+++	(+)	++	+++
Random	RR	1.37	1.06	1.17	1.14
	RRl	1.27	0.99	1.07	1.08
	RRu	1.47	1.13	1.28	1.22
	P	+++	(+)	+++	+++
Asymm	P	N.S.	N.S.	**	*
Between	Chi		40.25	43.44	47.27
Between	df		1	1	2
Between	P		---	---	***
Btwn(F)	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), 12-JUN-08
 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)	
36	STRANG	25	m	h	c	n	2	0	18	58	177	403	0.71 (0.40- 1.23)	
36	STRANG	17	f	h	c	n	2	0	11	104	78	690	0.94 (0.48- 1.82)	
Subtotal 36														
Partial Totals									77	214	321	1199	0.79 (0.52- 1.22)	
*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 (0.58- 2.67)	
3	LEE	4	f	s	m	n	2	2	-	-	-	-	0.93 (0.53- 1.64)	
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	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)	
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 20
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 12-JUN-08
 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)
*38	WEN	18	f	s	c	f	2	9	-	-	-	-	1.19	(0.84- 1.67)
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)
37	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37	(1.27- 1.48)
*40	HILL1	2	m	h	c	f	2	9	-	-	-	-	1.04	(0.88- 1.23)
*40	HILL1	4	f	h	c	f	2	9	-	-	-	-	0.98	(0.83- 1.17)
Subtotal 40									-	-	-	-	1.01	(0.90- 1.14)
*41	HILL2	2	m	h	c	f	2	9	-	-	-	-	1.18	(0.96- 1.44)
*41	HILL2	4	f	h	c	f	2	9	-	-	-	-	1.27	(0.98- 1.66)
Subtotal 41									-	-	-	-	1.21	(1.03- 1.42)
Partial Totals									0	0	0	0		

*prospective study

Relative risks	NAmerica		Europe	Asia	Other	Total
	N	NS				
	23	15	10	7	13	53
			7	6	7	35
	Wt	4830.81	179.47	216.19	1152.45	6378.92
	Het Chi	48.91	7.58	4.13	37.12	135.57
	Het df	22	9	6	12	52
	Het P	***	N.S.	N.S.	***	***
	Fixed RR	1.06	1.33	1.28	1.26	1.11
	RRl	1.03	1.15	1.12	1.19	1.08
	RRu	1.09	1.54	1.46	1.33	1.14
	P	+++	+++	+++	+++	+++
	Random RR	1.09	1.33	1.28	1.24	1.17
	RRl	1.03	1.15	1.12	1.07	1.11
	RRu	1.15	1.54	1.46	1.44	1.24
	P	++	+++	+++	++	+++
	Asymm P	(*)	N.S.	**	N.S.	**
	Between Chi		8.83	7.21	26.72	37.83
	Between df		1	1	1	3
	Between P		++	++	+++	***
	Btwn(F) 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 21
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 12-JUN-08
 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														
*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	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	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														
*34	QURESH	2	f	s	m	b	2	0	140	1823	79	1209	1.18	(0.90- 1.53)
36	STRANG	25	m	h	c	n	2	0	18	58	177	403	0.71	(0.40- 1.23)
36	STRANG	17	f	h	c	n	2	0	11	104	78	690	0.94	(0.48- 1.82)
Subtotal 36														
Partial Totals									1469	16882	2032	56611		
*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	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														
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														
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														

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

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- 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), 12-JUN-08
 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)
*38	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)
37	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37	(1.27- 1.48)
*40	HILL1	1	m	h	c	f	2	2	-	-	-	-	1.00	(0.85- 1.18)
*40	HILL1	3	f	h	c	f	2	2	-	-	-	-	0.98	(0.83- 1.15)
Subtotal 40									-	-	-	-	0.99	(0.88- 1.11)
*41	HILL2	1	m	h	c	f	2	2	-	-	-	-	1.07	(0.86- 1.32)
*41	HILL2	3	f	h	c	f	2	2	-	-	-	-	1.26	(0.98- 1.63)
Subtotal 41									-	-	-	-	1.15	(0.97- 1.35)
Partial Totals									193	499	769	1943		

*prospective study

		NAmerica	Europe	Asia	Other	Total
Relative risks						
	N	23	11	7	13	54
	NS	15	7	6	7	35
	Wt	5043.23	169.85	236.30	1193.30	6642.68
	Het Chi	81.25	5.55	13.72	38.34	179.27
	Het df	22	10	6	12	53
	Het P	***	N.S.	*	***	***
Fixed	RR	1.04	1.32	1.24	1.23	1.08
	RRL	1.01	1.14	1.09	1.16	1.06
	RRu	1.06	1.54	1.40	1.30	1.11
	P	+	+++	++	+++	+++
Random	RR	1.06	1.32	1.34	1.18	1.14
	RRL	0.98	1.14	1.09	1.03	1.08
	RRu	1.14	1.54	1.66	1.37	1.22
	P	N.S.	+++	++	+	+++
Asymm	P	N.S.	N.S.	**	N.S.	*
Between	Chi		9.94	7.09	28.52	40.41
Between	df		1	1	1	3
Between	P		++	++	+++	***
Btwn(F)	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 22
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 12-JUN-08
 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 (0.58- 2.67)	
	3 LEE 4	f	s	m	n	2	2	-	-	-	-	0.93 (0.53- 1.64)	
	Subtotal 3											1.03 (0.65- 1.62)	
	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

 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), 12-JUN-08
 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

2001-04

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)
Partial Totals								0	0	0	0		

*prospective study

2005-08

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Exposed		Non-exposed		RR	95.00%CI
								Case	Cont	Case	Cont		
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	STRANG 25	m	h	c	n	2	0	18	58	177	403	0.71	(0.40- 1.23)
36	STRANG 17	f	h	c	n	2	0	11	104	78	690	0.94	(0.48- 1.82)
Subtotal 36								-	-	-	-	0.79	(0.52- 1.22)
37	TEO 1	c	t	c	n	2	6	-	-	-	-	1.37	(1.27- 1.48)
*38	WEN 18	f	s	c	f	2	9	-	-	-	-	1.19	(0.84- 1.67)
*40	HILL1 2	m	h	c	f	2	9	-	-	-	-	1.04	(0.88- 1.23)
*40	HILL1 4	f	h	c	f	2	9	-	-	-	-	0.98	(0.83- 1.17)
Subtotal 40								-	-	-	-	1.01	(0.90- 1.14)
*41	HILL2 2	m	h	c	f	2	9	-	-	-	-	1.18	(0.96- 1.44)
*41	HILL2 4	f	h	c	f	2	9	-	-	-	-	1.27	(0.98- 1.66)
Subtotal 41								-	-	-	-	1.21	(1.03- 1.42)
Partial Totals								29	162	255	1093		

*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 22
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 12-JUN-08
 By publication year (grouped) - adjusted

	1984-88	1989-92	1993-96	1997-00	2001-04	2005-08	Total
Relative risks							
N	7	10	9	7	9	11	53
NS	6	6	5	5	6	7	35
Wt	131.31	364.83	3016.01	99.15	1536.28	1231.33	6378.92
Het Chi	6.24	13.73	14.83	9.45	27.74	24.74	135.57
Het df	6	9	8	6	8	10	52
Het P	N.S.	N.S.	(*)	N.S.	***	**	***
Fixed RR	1.24	1.30	1.05	1.32	1.08	1.23	1.11
RRl	1.05	1.17	1.01	1.09	1.02	1.16	1.08
RRu	1.47	1.44	1.08	1.61	1.13	1.30	1.14
P	+	+++	+	++	++	+++	+++
Random RR	1.26	1.41	1.07	1.37	1.12	1.15	1.17
RRl	1.04	1.18	1.00	1.06	0.99	1.03	1.11
RRu	1.51	1.68	1.14	1.77	1.27	1.29	1.24
P	+	+++	+	+	(+)	+	+++
Asymm P	N.S.	(*)	N.S.	N.S.	N.S.	(*)	**
Between Chi		0.17	3.69	0.23	2.51	0.01	38.84
Between df		1	1	1	1	1	5
Between P		N.S.	(-)	N.S.	N.S.	N.S.	***
Btwn(F) 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) 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), 12-JUN-08
 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

 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), 12-JUN-08
 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

2001-04

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 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)	
Partial Totals								48	75	200	429		

*prospective study

2005-08

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Exposed		Non-exposed		RR	95.00%CI
								Case	Cont	Case	Cont		
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)	
36	STRANG 25	m	h	c	n	2	0	18	58	177	403	0.71 (0.40- 1.23)	
36	STRANG 17	f	h	c	n	2	0	11	104	78	690	0.94 (0.48- 1.82)	
Subtotal 36												0.79 (0.52- 1.22)	
37	TEO 1	c	t	c	n	2	6	-	-	-	-	1.37 (1.27- 1.48)	
*38	WEN 18	f	s	c	f	2	9	-	-	-	-	1.19 (0.84- 1.67)	
*40	HILL1 1	m	h	c	f	2	2	-	-	-	-	1.00 (0.85- 1.18)	
*40	HILL1 3	f	h	c	f	2	2	-	-	-	-	0.98 (0.83- 1.15)	
Subtotal 40												0.99 (0.88- 1.11)	
*41	HILL2 1	m	h	c	f	2	2	-	-	-	-	1.07 (0.86- 1.32)	
*41	HILL2 3	f	h	c	f	2	2	-	-	-	-	1.26 (0.98- 1.63)	
Subtotal 41												1.15 (0.97- 1.35)	
Partial Totals								356	2206	731	2844		

*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 23
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 12-JUN-08
 By publication year (grouped) - unadjusted

	1984-88	1989-92	1993-96	1997-00	2001-04	2005-08	Total
Relative risks							
N	7	11	9	7	9	11	54
NS	6	6	5	5	6	7	35
Wt	136.77	439.28	3012.65	119.63	1676.69	1257.67	6642.68
Het Chi	7.64	50.47	13.71	16.09	22.13	27.52	179.27
Het df	6	10	8	6	8	10	53
Het P	N.S.	***	(*)	*	**	**	***
Fixed RR	1.12	0.90	1.04	1.35	1.08	1.22	1.08
RRl	0.95	0.82	1.01	1.13	1.03	1.15	1.06
RRu	1.32	0.99	1.08	1.61	1.14	1.29	1.11
P	N.S.	-	+	++	+++	+++	+++
Random RR	1.20	1.30	1.06	1.40	1.12	1.14	1.14
RRl	0.95	0.96	1.00	1.03	1.00	1.01	1.08
RRu	1.53	1.74	1.13	1.89	1.24	1.28	1.22
P	N.S.	(+)	(+)	+	+	+	+++
Asymm P	N.S.	**	N.S.	N.S.	N.S.	(*)	*
Between Chi		4.71	0.60	2.20	0.11	0.92	41.70
Between df		1	1	1	1	1	5
Between P		-	N.S.	N.S.	N.S.	N.S.	***
Btwn(F) 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) 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), 12-JUN-08
 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 (0.58- 2.67)	
3 LEE 4		f	s	m	n	2	2	-	-	-	-	0.93 (0.53- 1.64)	
Subtotal 3												1.03 (0.65- 1.62)	
*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 STRANG 25		m	h	c	n	2	0	18	58	177	403	0.71 (0.40- 1.23)	
36 STRANG 17		f	h	c	n	2	0	11	104	78	690	0.94 (0.48- 1.82)	
Subtotal 36												0.79 (0.52- 1.22)	
*38 WEN 18		f	s	c	f	2	9	-	-	-	-	1.19 (0.84- 1.67)	
Partial Totals								92	262	392	1393		

*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 24
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 12-JUN-08
 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)
37	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37	(1.27-	1.48)
*40	HILL1	2	m	h	c	f	2	9	-	-	-	-	1.04	(0.88-	1.23)
*40	HILL1	4	f	h	c	f	2	9	-	-	-	-	0.98	(0.83-	1.17)
Subtotal 40													1.01	(0.90-	1.14)
*41	HILL2	2	m	h	c	f	2	9	-	-	-	-	1.18	(0.96-	1.44)
*41	HILL2	4	f	h	c	f	2	9	-	-	-	-	1.27	(0.98-	1.66)
Subtotal 41													1.21	(1.03-	1.42)
Partial Totals									0	0	0	0			
*prospective study															

Relative risks		1-99	100-199	200-999	1000+	Total
	N	6	9	21	17	53
	NS	6	6	14	9	35
	Wt	47.90	81.44	487.26	5762.32	6378.92
	Het Chi	2.02	3.35	31.76	75.83	135.57
	Het df	5	8	20	16	52
	Het P	N.S.	N.S.	*	***	***
	Fixed RR	1.78	1.39	1.24	1.09	1.11
	RRl	1.34	1.12	1.13	1.06	1.08
	RRu	2.36	1.72	1.35	1.12	1.14
	P	+++	++	+++	+++	+++
	Random RR	1.78	1.39	1.26	1.10	1.17
	RRl	1.34	1.12	1.11	1.03	1.11
	RRu	2.36	1.72	1.43	1.17	1.24
	P	+++	++	+++	++	+++
	Asymm P	N.S.	N.S.	N.S.	N.S.	**
	Between Chi		1.88	5.73	11.46	22.61
	Between df		1	1	1	3
	Between P		N.S.	-	---	***
	Btwn(F) 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), 12-JUN-08
 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 (0.58- 2.67)	
3 LEE 4		f	s	m	n	2	2	-	-	-	-	0.93 (0.53- 1.64)	
Subtotal 3												1.03 (0.65- 1.62)	
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)	
36 STRANG 25		m	h	c	n	2	0	18	58	177	403	0.71 (0.40- 1.23)	
36 STRANG 17		f	h	c	n	2	0	11	104	78	690	0.94 (0.48- 1.82)	
Subtotal 36												0.79 (0.52- 1.22)	
37 TEO 1		c	t	c	n	2	6	-	-	-	-	1.37 (1.27- 1.48)	
Partial Totals								140	314	458	1499		

*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)	

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), 12-JUN-08
 By study type - adjusted

prospective

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Exposed		Non-exposed		RR	95.00%CI
								Case	Cont	Case	Cont		
*38 WEN	18	f	s	c	f	2	9	-	-	-	-	1.19 (0.84- 1.67)	
*40 HILL1	2	m	h	c	f	2	9	-	-	-	-	1.04 (0.88- 1.23)	
*40 HILL1	4	f	h	c	f	2	9	-	-	-	-	0.98 (0.83- 1.17)	
Subtotal 40												1.01 (0.90- 1.14)	
*41 HILL2	2	m	h	c	f	2	9	-	-	-	-	1.18 (0.96- 1.44)	
*41 HILL2	4	f	h	c	f	2	9	-	-	-	-	1.27 (0.98- 1.66)	
Subtotal 41												1.21 (1.03- 1.42)	
Partial Totals								0	0	0	0		
*prospective study													

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	26	22	5	53
	NS	16	15	4	35
	Wt	1133.74	4385.62	859.56	6378.92
	Het Chi	49.50	40.20	5.69	135.57
	Het df	25	21	4	52
	Het P	**	**	N.S.	***
Fixed	RR	1.28	1.05	1.20	1.11
	RRl	1.21	1.02	1.12	1.08
	RRu	1.36	1.08	1.28	1.14
	P	+++	+++	+++	+++
Random	RR	1.26	1.09	1.21	1.17
	RRl	1.12	1.04	1.10	1.11
	RRu	1.43	1.15	1.33	1.24
	P	+++	++	+++	+++
Asymm	P	N.S.	**	N.S.	**
Between	Chi		34.38	2.19	40.18
Between	df		1	1	2
Between	P		---	N.S.	***
Btwn(F)	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 26

ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 12-JUN-08
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 (0.58- 2.67)	
3 LEE 4		f	s	m	n	2	2	-	-	-	-	0.93 (0.53- 1.64)	
Subtotal 3												1.14 (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), 12-JUN-08
 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	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)
*34	QURESH	1	f	s	m	b	2	7	-	-	-	-	1.05	(0.81-	1.38)
36	STRANG	25	m	h	c	n	2	0	18	58	177	403	0.71	(0.40-	1.23)
36	STRANG	17	f	h	c	n	2	0	11	104	78	690	0.94	(0.48-	1.82)
Subtotal 36													0.79	(0.52-	1.22)
37	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37	(1.27-	1.48)
*38	WEN	18	f	s	c	f	2	9	-	-	-	-	1.19	(0.84-	1.67)
*40	HILL1	2	m	h	c	f	2	9	-	-	-	-	1.04	(0.88-	1.23)
*40	HILL1	4	f	h	c	f	2	9	-	-	-	-	0.98	(0.83-	1.17)
Subtotal 40													1.01	(0.90-	1.14)
*41	HILL2	2	m	h	c	f	2	9	-	-	-	-	1.18	(0.96-	1.44)
*41	HILL2	4	f	h	c	f	2	9	-	-	-	-	1.27	(0.98-	1.66)
Subtotal 41													1.21	(1.03-	1.42)
Partial Totals									29	162	255	1093			
*prospective study															

Relative risks	0-2		3-4		5+		Total	
	N	NS	N	NS	N	NS	N	NS
	12	8	10	6	31	21	53	35
Wt	2709.60		457.35		3211.97		6378.92	
Het Chi	14.09		16.65		78.91		135.57	
Het df	11		9		30		52	
Het P	N.S.		(*)		***		***	
Fixed RR	1.03		1.27		1.15		1.11	
RRl	1.00		1.16		1.11		1.08	
RRu	1.07		1.39		1.19		1.14	
P	(+)		+++		+++		+++	
Random RR	1.05		1.32		1.17		1.17	
RRl	0.99		1.13		1.09		1.11	
RRu	1.12		1.55		1.26		1.24	
P	N.S.		+++		+++		+++	
Asymm P	*		N.S.		N.S.		**	
Between Chi			16.27		16.89		25.91	
Between df			1		1		2	
Between P			+++		+++		***	
Btwn(F) 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), 12-JUN-08
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)
*40	HILL1	2	m	h	c	f	2	9	-	-	-	-	1.04	(0.88-	1.23)
*40	HILL1	4	f	h	c	f	2	9	-	-	-	-	0.98	(0.83-	1.17)
Subtotal 40													1.01	(0.90-	1.14)
*41	HILL2	2	m	h	c	f	2	9	-	-	-	-	1.18	(0.96-	1.44)
*41	HILL2	4	f	h	c	f	2	9	-	-	-	-	1.27	(0.98-	1.66)
Subtotal 41													1.21	(1.03-	1.42)
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	(0.58-	2.67)
3	LEE	4	f	s	m	n	2	2	-	-	-	-	0.93	(0.53-	1.64)
Subtotal 3													1.14	(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	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)

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), 12-JUN-08
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			
*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)
36	STRANG	25	m	h	c	n	2	0	18	58	177	403	0.71	(0.40-	1.23)
36	STRANG	17	f	h	c	n	2	0	11	104	78	690	0.94	(0.48-	1.82)
Subtotal 36													0.79	(0.52-	1.22)
37	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37	(1.27-	1.48)
*38	WEN	18	f	s	c	f	2	9	-	-	-	-	1.19	(0.84-	1.67)
Partial Totals									140	314	458	1499			

*prospective study

Relative risks	none	no assoc	sig assc	results g	Total
	N	15		38	53
	NS	10		25	35
	Wt	847.28		5531.64	6378.92
	Het Chi	29.41		104.29	135.57
	Het df	14		37	52
	Het P	**		***	***
Fixed	RR	1.16		1.10	1.11
	RRl	1.08		1.07	1.08
	RRu	1.24		1.13	1.14
	P	+++		+++	+++
Random	RR	1.21		1.16	1.17
	RRl	1.08		1.09	1.11
	RRu	1.36		1.23	1.24
	P	++		+++	+++
Asymm	P	(*)		*	**
Between	Chi			1.87	1.87
Between	df			1	1
Between	P		N.S.	N.S.	N.S.
Btwn(F)	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 28
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 12-JUN-08
 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
*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 (0.58- 2.67)
3	LEE	4	f	s	m	n	2	2	-	-	-	-	0.93 (0.53- 1.64)
Subtotal 3													1.03 (0.65- 1.62)
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)
*38	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			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)
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), 12-JUN-08
 By spouse the index or not - adjusted

No								Number Exposed		Non-exposed		RR	95.00%CI
StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Case	Cont	Case			Cont
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	STRANG	25	m	h	c	n	2	0	18	58	177	403	0.71 (0.40- 1.23)
36	STRANG	17	f	h	c	n	2	0	11	104	78	690	0.94 (0.48- 1.82)
Subtotal 36													0.79 (0.52- 1.22)
37	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37 (1.27- 1.48)
*40	HILL1	2	m	h	c	f	2	9	-	-	-	-	1.04 (0.88- 1.23)
*40	HILL1	4	f	h	c	f	2	9	-	-	-	-	0.98 (0.83- 1.17)
Subtotal 40													1.01 (0.90- 1.14)
*41	HILL2	2	m	h	c	f	2	9	-	-	-	-	1.18 (0.96- 1.44)
*41	HILL2	4	f	h	c	f	2	9	-	-	-	-	1.27 (0.98- 1.66)
Subtotal 41													1.21 (1.03- 1.42)
Partial Totals									29	162	255	1093	
*prospective study													

Relative risks		Yes	No	Total
	N	28	25	53
	NS	20	15	35
	Wt	3971.98	2406.93	6378.92
	Het Chi	46.68	47.67	135.57
	Het df	27	24	52
	Het P	*	**	***
Fixed	RR	1.04	1.23	1.11
	RRl	1.01	1.18	1.08
	RRu	1.07	1.28	1.14
	P	+	+++	+++
Random	RR	1.09	1.22	1.17
	RRl	1.02	1.13	1.11
	RRu	1.16	1.31	1.24
	P	++	+++	+++
Asymm	P	***	N.S.	**
Between	Chi		41.22	41.22
Between	df		1	1
Between	P		+++	***
Btwn(F)	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 29
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 12-JUN-08
 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	(0.86- 1.13)
*15	LEVOIS	7	f	s	c	f	8	2	-	-	-	-	0.98	(0.91- 1.06)
Subtotal 15														
*19	STEENL	1	m	s	c	f	8	12	-	-	-	-	1.02	(0.98- 1.07)
*19	STEENL	2	f	s	c	f	8	13	-	-	-	-	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	-	-	-	-	1.16	(1.05- 1.28)
*29	ENSTRO	31	f	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	-	-	-	-	0.96	(0.89- 1.03)
33	MCGHEE	2	f	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														
*38	WEN	18	f	s	c	f	2	9	-	-	-	-	1.35	(1.02- 1.77)
*40	HILL1	2	m	h	c	f	2	9	-	-	-	-	1.19	(0.84- 1.67)
*40	HILL1	2	m	h	c	f	2	9	-	-	-	-	1.04	(0.88- 1.23)
*40	HILL1	4	f	h	c	f	2	9	-	-	-	-	0.98	(0.83- 1.17)
Subtotal 40														
*41	HILL2	2	m	h	c	f	2	9	-	-	-	-	1.01	(0.90- 1.14)
*41	HILL2	4	f	h	c	f	2	9	-	-	-	-	1.18	(0.96- 1.44)
*41	HILL2	4	f	h	c	f	2	9	-	-	-	-	1.27	(0.98- 1.66)
Subtotal 41														
Partial Totals									0	0	0	0	1.21	(1.03- 1.42)
*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	(0.58- 2.67)
3	LEE	4	f	s	m	n	2	2	-	-	-	-	0.93	(0.53- 1.64)
Subtotal 3														
4	MARTIN	1	f	s	e	n	2	6	-	-	-	-	1.03	(0.65- 1.62)
13	LAVECC	11	c	s	c	n	8	8	-	-	-	-	2.60	(1.20- 5.70)
17	MUSCAT	1	m	s	e	n	2	0	20	25	48	83	1.21	(0.57- 2.52)
17	MUSCAT	2	f	s	e	n	2	0	28	27	18	23	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	-	-	-	-	1.36	(0.80- 2.30)
18	TUNSTA	2	c	t	c	n	2	4	-	-	-	-	1.34	(1.07- 1.67)
20	JANGHO	1	f	s	e	n	2	0	63	100	137	300	1.38	(0.95- 2.01)
22	CIRUZZ	7	m	s	c	n	2	9	-	-	-	-	1.18	(0.55- 2.52)
22	CIRUZZ	8	f	s	c	n	2	9	-	-	-	-	1.73	(0.89- 3.36)
Subtotal 22														
25	HE	2	f	s	e	n	2	6	-	-	-	-	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														
27	ROENL	4	m	s	c	n	8	8	-	-	-	-	1.17	(1.09- 1.26)
27	ROENL	16	f	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	-	-	-	-	1.40	(0.91- 2.16)
30	CHEN	10	c	h	c	n	2	10	-	-	-	-	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)
36	STRANG	25	m	h	c	n	2	0	18	58	177	403	0.71	(0.40- 1.23)
36	STRANG	17	f	h	c	n	2	0	11	104	78	690	0.94	(0.48- 1.82)
Subtotal 36														
0.79 (0.52- 1.22)														

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), 12-JUN-08
 By heart disease type 1 - adjusted

Nonfatal

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Exposed		Non-exposed		RR	95.00%CI
								Case	Cont	Case	Cont		
37 TEO	1	c	t	c	n	2	6	-	-	-	-	1.37 (	1.27- 1.48)
Partial Totals								140	314	458	1499		

*prospective study

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

		Fatal	Nonfatal	Both	Total
Relative risks					
	N	23	21	9	53
	NS	14	15	6	35
	Wt	4555.22	1681.13	142.57	6378.92
	Het Chi	40.29	27.54	20.95	135.57
	Het df	22	20	8	52
	Het P	**	N.S.	**	***
	Fixed RR	1.05	1.27	1.26	1.11
	RRl	1.02	1.21	1.07	1.08
	RRu	1.08	1.33	1.49	1.14
	P	++	+++	++	+++
	Random RR	1.08	1.27	1.41	1.17
	RRl	1.03	1.17	1.05	1.11
	RRu	1.14	1.37	1.90	1.24
	P	++	+++	+	+++
	Asymm P	**	N.S.	N.S.	**
	Between Chi		44.27	4.75	46.78
	Between df		1	1	2
	Between P		+++	+	***
	Btwn(F) 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 30
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 12-JUN-08
 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 (0.58- 2.67)		
3	LEE	4	f	s	m	n	2	2	-	-	-	-	0.93 (0.53- 1.64)		
Subtotal 3								-	-	-	-	1.03 (0.65- 1.62)			
*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)			
*40	HILL1	2	m	h	c	f	2	9	-	-	-	-	1.04 (0.88- 1.23)		
*40	HILL1	4	f	h	c	f	2	9	-	-	-	-	0.98 (0.83- 1.17)		
Subtotal 40								-	-	-	-	1.01 (0.90- 1.14)			
*41	HILL2	2	m	h	c	f	2	9	-	-	-	-	1.18 (0.96- 1.44)		
*41	HILL2	4	f	h	c	f	2	9	-	-	-	-	1.27 (0.98- 1.66)		
Subtotal 41								-	-	-	-	1.21 (1.03- 1.42)			
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	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)			
36	STRANG	25	m	h	c	n	2	0	18	58	177	403	0.71 (0.40- 1.23)		
36	STRANG	17	f	h	c	n	2	0	11	104	78	690	0.94 (0.48- 1.82)		
Subtotal 36								-	-	-	-	0.79 (0.52- 1.22)			
37	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37 (1.27- 1.48)		
Partial Totals								77	214	321	1199				
*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 30
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 12-JUN-08
 By heart disease type 2 - adjusted

other

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)	
*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													
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													
*34 QURESH	1	f	s	m	b	2	7	-	-	-	-	1.05 (0.81- 1.38)	
Partial Totals								0	0	0	0		
*prospective study													

mixed

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	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													
*21 KAWACH	11	f	h	c	b	2	15	-	-	-	-	1.53 (0.81- 2.90)	
28 PITSAV	9	c	h	c	n	a	6	-	-	-	-	1.33 (0.89- 1.99)	
*38 WEN	18	f	s	c	f	2	9	-	-	-	-	1.19 (0.84- 1.67)	
Partial Totals								0	0	0	0		
*prospective study													

Relative risks		N	IHD	MI	other	mixed	Total
	Wt	2030.42	775.27	3457.32	115.92	6378.92	
	Het Chi	34.74	22.81	23.88	10.31	135.57	
	Het df	21	12	8	8	52	
	Het P	*	*	**	N.S.	***	
	Fixed RR	1.07	1.34	1.07	1.46	1.11	
	RRl	1.02	1.25	1.04	1.22	1.08	
	RRu	1.12	1.44	1.11	1.75	1.14	
	P	++	+++	+++	+++	+++	
	Random RR	1.10	1.29	1.12	1.49	1.17	
	RRl	1.03	1.05	1.04	1.20	1.11	
	RRu	1.18	1.57	1.21	1.85	1.24	
	P	++	+	++	+++	+++	
	Asymm P	**	N.S.	(*)	N.S.	**	
	Between Chi		29.83	0.06	10.70	43.82	
	Between df		1	1	1	3	
	Between P		+++	N.S.	++	***	
	Btwn(F) 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 31
ETS and Heart Disease - Meta-Analysis of Workplace Exposure, 12-JUN-08
 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	ROENL	8	m	a	e	2	8	-	-	-	-	1.14	(0.78- 1.67)
27	ROENL	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	STRANG	26	m	a	e	2	0	134	347	39	98	0.97	(0.64- 1.48)
36	STRANG	18	f	a	e	2	0	52	507	29	272	0.96	(0.60- 1.55)
Subtotal 36													
*38	WEN	20	f	a	e	2	9	-	-	-	-	1.21	(0.74- 2.01)
Partial Totals								186	854	68	370		

*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	1.17	0.3796
3	LEE	8	f	w	e	2	1	-0.37	3.95	0.86	0.4610
Subtotal 3											
*5	SVENDS	3	m	a	c	2	2	0.34	11.84	0.68	0.2470
9	JACKSO	8	m	a	c	2	2	0.59	9.05	2.18	0.0770
9	JACKSO	6	f	a	c	2	2	0.44	2.78	0.32	0.4646
Subtotal 9											
12	DOBSON	8	m	w	c	2	2	-0.05	9.83	0.22	0.8722
12	DOBSON	6	f	w	c	2	2	-0.42	2.05	0.54	0.5515
Subtotal 12											
17	MUSCAT	4	m	a	e	2	3	0.18	9.10	0.07	0.5823
17	MUSCAT	6	f	w	e	2	3	0.00	4.58	0.04	1.0000
Subtotal 17											
*19	STEENL	28	m	w	c	1	12	0.03	182.10	0.83	0.6900
*19	STEENL	29	f	w	c	1	13	0.06	70.45	0.11	0.6248
Subtotal 19											
*21	KAWACH	8	f	w	c	2	15	0.52	7.26	1.29	0.1622
25	HE	22	f	w	e	2	6	0.62	6.50	1.75	0.1167
27	ROENL	8	m	a	e	2	8	0.13	26.51	0.03	0.4999
27	ROENL	20	f	a	e	2	8	-0.06	17.65	0.44	0.7949
Subtotal 27											
28	PITSAV	8	c	a	c	a	6	0.68	13.74	4.64	0.0120
30	CHEN	9	c	w	c	2	10	0.53	9.55	1.80	0.1011
36	STRANG	26	m	a	e	2	0	-0.03	21.65	0.35	0.8887
36	STRANG	18	f	a	e	2	0	-0.04	16.85	0.31	0.8736
Subtotal 36											
*38	WEN	20	f	a	e	2	9	0.19	15.39	0.14	0.4546

 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 31
ETS and Heart Disease - Meta-Analysis of Workplace Exposure, 12-JUN-08
 Workers only, if available
 Overall - adjusted

Relative risks

	N	20
	NS	13
	Wt	445.30
Het	Chi	17.76
Het	df	19
Het	P	N.S.
Fixed	RR	1.10
	RRl	1.00
	RRu	1.21
	P	+
Random	RR	1.10
	RRl	1.00
	RRu	1.21
	P	+
Asymm	P	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 32
ETS and Heart Disease - Meta-Analysis of Workplace Exposure, 12-JUN-08
 Workers only, if available
 Overall - unadjusted

Overall

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)	
3	LEE 7	f	w	e	2	0	6	45	30	113	0.50	(0.20-	1.29)	
	Subtotal 3											0.52	(0.28-	0.96)
*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											1.64	(0.92-	2.93)
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											0.85	(0.52-	1.39)
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											1.10	(0.65-	1.85)
*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)	
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											1.03	(0.79-	1.36)
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	STRANG 26	m	a	e	2	0	134	347	39	98	0.97	(0.64-	1.48)	
36	STRANG 18	f	a	e	2	0	52	507	29	272	0.96	(0.60-	1.55)	
	Subtotal 36											0.97	(0.70-	1.33)
*38	WEN 20	f	a	e	2	9	-	-	-	-	1.21	(0.74-	2.01)	
	Partial Totals						528	1637	365	1179				

*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	2.99	0.1294
3	LEE 7	f	w	e	2	0	-0.69	4.33	2.63	0.1519
	Subtotal 3						-1.51	9.95	5.62	
*5	SVENDS 3	m	a	c	2	2	0.34	11.84	0.72	0.2470
9	JACKSO 7	m	a	c	2	0	0.41	8.80	0.87	0.2292
9	JACKSO 5	f	a	c	2	0	0.79	2.76	1.35	0.1900
	Subtotal 9						1.01	11.56	2.22	
12	DOBSON 7	m	w	c	2	0	-0.11	12.74	0.50	0.6984
12	DOBSON 5	f	w	c	2	0	-0.35	3.28	0.62	0.5315
	Subtotal 12						-0.63	16.02	1.13	
17	MUSCAT 3	m	a	e	2	0	0.15	9.68	0.04	0.6316
17	MUSCAT 5	f	w	e	2	0	-0.03	4.45	0.07	0.9482
	Subtotal 17						-0.06	14.13	0.10	
*19	STEENL 28	m	w	c	1	12	0.03	182.10	0.67	0.6900
*19	STEENL 29	f	w	c	1	13	0.06	70.45	0.07	0.6248
	Subtotal 19						-0.09	252.55	0.74	
*21	KAWACH 8	f	w	c	2	15	0.52	7.26	1.33	0.1622
25	HE 21	f	w	e	2	0	0.90	9.61	6.24	0.0055
27	ROSENL 7	m	a	e	2	0	0.06	29.87	0.03	0.7588
27	ROSENL 19	f	a	e	2	0	0.00	21.02	0.17	0.9960
	Subtotal 27						-0.12	50.89	0.20	
28	PITSAV 8	c	a	c	a	6	0.68	13.74	4.75	0.0120
30	CHEN 9	c	w	c	2	10	0.53	9.55	1.85	0.1011
36	STRANG 26	m	a	e	2	0	-0.03	21.65	0.31	0.8887
36	STRANG 18	f	a	e	2	0	-0.04	16.85	0.28	0.8736
	Subtotal 36						-0.25	38.50	0.59	
*38	WEN 20	f	a	e	2	9	0.19	15.39	0.16	0.4546

 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, 12-JUN-08
 Workers only, if available
 Overall - unadjusted

Relative risks

	N	20
	NS	13
	Wt	460.97
	Het Chi	25.65
	Het df	19
	Het P	N.S.
Fixed	RR	1.09
	RRl	1.00
	RRu	1.20
	P	(+)
Random	RR	1.13
	RRl	1.00
	RRu	1.28
	P	(+)
Asymm	P	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 33
ETS and Heart Disease - Meta-Analysis of Workplace Exposure, 12-JUN-08
 Workers only, if available
 By sex - adjusted

combined

StN Ref	NRR	SEX	WKS	TIM	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
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 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)
*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)
36	STRANG 26	m	a	e	2	0	134	347	39	98	0.97 (	0.64- 1.48)
Partial Totals							134	347	39	98		

*prospective study

female

StN Ref	NRR	SEX	WKS	TIM	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
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	STRANG 18	f	a	e	2	0	52	507	29	272	0.96 (	0.60- 1.55)
*38	WEN 20	f	a	e	2	9	-	-	-	-	1.21 (	0.74- 2.01)
Partial Totals							52	507	29	272		

*prospective study

		combined	male	female	Total
Relative risks					
	N	2	8	10	20
	NS	2	8	10	20
	Wt	23.29	274.55	147.46	445.30
	Het Chi	0.12	5.17	5.77	17.76
	Het df	1	7	9	19
	Het P	N.S.	N.S.	N.S.	N.S.
	Fixed RR	1.85	1.06	1.08	1.10
	RR1	1.24	0.94	0.92	1.00
	RRu	2.78	1.20	1.27	1.21
	P	++	N.S.	N.S.	+
	Random RR	1.85	1.06	1.08	1.10
	RR1	1.24	0.94	0.92	1.00
	RRu	2.78	1.20	1.27	1.21
	P	++	N.S.	N.S.	+
	Asymm P		N.S.	N.S.	N.S.
	Between Chi		6.65	5.79	6.70
	Between df		1	1	2
	Between P		--	-	*
	Btwn(F) P		-	-	*

 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, 12-JUN-08
 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)	
36	STRANG 26	m	a	e	2	0	134	347	39	98	0.97 (0.64- 1.48)	
Partial Totals							344	804	196	451		

*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	STRANG 18	f	a	e	2	0	52	507	29	272	0.96 (0.60- 1.55)	
*38	WEN 20	f	a	e	2	9	-	-	-	-	1.21 (0.74- 2.01)	
Partial Totals							184	833	169	728		

*prospective study

		combined	male	female	Total
Relative risks					
	N	2	8	10	20
	NS	2	8	10	20
	Wt	23.29	282.29	155.39	460.97
	Het Chi	0.12	5.35	12.86	25.65
	Het df	1	7	9	19
	Het P	N.S.	N.S.	N.S.	N.S.
	Fixed RR	1.85	1.04	1.11	1.09
	RR1	1.24	0.92	0.95	1.00
	RRu	2.78	1.17	1.30	1.20
	P	++	N.S.	N.S.	(+)
	Random RR	1.85	1.04	1.14	1.13
	RR1	1.24	0.92	0.92	1.00
	RRu	2.78	1.17	1.42	1.28
	P	++	N.S.	N.S.	(+)
	Asymm P		N.S.	N.S.	N.S.
	Between Chi		7.25	5.27	7.32
	Between df		1	1	2
	Between P		--	-	*
	Btwn(F) P		-	(-)	(*)

 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, 12-JUN-08
 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)	
36	STRANG 26	m	a	e	2	0	134	347	39	98	0.97	(0.64- 1.48)	
36	STRANG 18	f	a	e	2	0	52	507	29	272	0.96	(0.60- 1.55)	
Subtotal 36											0.97	(0.70- 1.33)	
Partial Totals							186	854	68	370			
*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)	
*38	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													

 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, 12-JUN-08
 Workers only, if available
 By continent - adjusted

	NAmerica	Europe	Asia	Other	Total
Relative risks					
N	8	6	2	4	20
NS	5	4	2	2	13
Wt	323.81	75.87	21.89	23.72	445.30
Het Chi	3.08	8.46	0.82	2.91	17.76
Het df	7	5	1	3	19
Het P	N.S.	N.S.	N.S.	N.S.	N.S.
Fixed RR	1.06	1.19	1.37	1.24	1.10
RRl	0.95	0.95	0.90	0.83	1.00
RRu	1.18	1.50	2.09	1.86	1.21
P	N.S.	N.S.	N.S.	N.S.	+
Random RR	1.06	1.18	1.37	1.24	1.10
RRl	0.95	0.86	0.90	0.83	1.00
RRu	1.18	1.61	2.09	1.86	1.21
P	N.S.	N.S.	N.S.	N.S.	+
Asymm P	N.S.	N.S.	N.S.	N.S.	N.S.
Between Chi		0.93	1.41	0.59	2.48
Between df		1	1	1	3
Between P		N.S.	N.S.	N.S.	N.S.
Btwn(F) 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, 12-JUN-08
 Workers only, if available
 By continent - unadjusted

NAmerica

StN Ref	NRR	SEX	WKS	TIM	UNX	ADJ	Number Exposed		Non-exposed		RR	95.00%CI	
							Case	Cont	Case	Cont			
*5	SVENDS 3	m	a	c	2	2	-	-	-	-	1.40 (	0.80- 2.50)
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											1.23 (	0.84- 1.80)
*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)
36	STRANG 26	m	a	e	2	0	134	347	39	98	0.97 (	0.64- 1.48)
36	STRANG 18	f	a	e	2	0	52	507	29	272	0.96 (	0.60- 1.55)
Subtotal 36											0.97 (	0.70- 1.33)
Partial Totals							250	942	107	428			

*prospective study

Europe

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)
3	LEE 7	f	w	e	2	0	6	45	30	113	0.50 (	0.20- 1.29)
Subtotal 3											0.52 (	0.28- 0.96)
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											1.03 (	0.79- 1.36)
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							213	500	172	418			

*prospective study

Asia

StN Ref	NRR	SEX	WKS	TIM	UNX	ADJ	Number Exposed		Non-exposed		RR	95.00%CI	
							Case	Cont	Case	Cont			
25	HE 21	f	w	e	2	0	33	43	26	83	2.45 (	1.30- 4.61)
*38	WEN 20	f	a	e	2	9	-	-	-	-	1.21 (	0.74- 2.01)
Partial Totals							33	43	26	83			

*prospective study

Other

StN Ref	NRR	SEX	WKS	TIM	UNX	ADJ	Number Exposed		Non-exposed		RR	95.00%CI	
							Case	Cont	Case	Cont			
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											1.64 (	0.92- 2.93)
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											0.85 (	0.52- 1.39)
Partial Totals							32	152	60	250			

*prospective study

 Within each study, results are included (in the following order of preference) for:
 1) WKS Working status = 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, 12-JUN-08
 Workers only, if available
 By continent - unadjusted

	NAmerica	Europe	Asia	Other	Total
Relative risks					
N	8	6	2	4	20
NS	5	4	2	2	13
Wt	324.26	84.13	25.00	27.58	460.97
Het Chi	3.05	12.38	2.94	3.33	25.65
Het df	7	5	1	3	19
Het P	N.S.	*	(*)	N.S.	N.S.
Fixed RR	1.05	1.12	1.59	1.12	1.09
RRl	0.95	0.90	1.07	0.77	1.00
RRu	1.18	1.39	2.35	1.63	1.20
P	N.S.	N.S.	+	N.S.	(+)
Random RR	1.05	1.08	1.67	1.13	1.13
RRl	0.95	0.75	0.84	0.76	1.00
RRu	1.18	1.55	3.34	1.69	1.28
P	N.S.	N.S.	N.S.	N.S.	(+)
Asymm P	N.S.	N.S.	N.S.	N.S.	N.S.
Between Chi		0.24	3.87	0.10	3.96
Between df		1	1	1	3
Between P		N.S.	+	N.S.	N.S.
Btwn(F) 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, 12-JUN-08
 Workers only, if available
 By publication year (grouped) - adjusted

1984-88

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)
*5	SVENDS 3	m	a	c	2	2	-	-	-	-	1.40	(0.80- 2.50)
Partial Totals							0	0	0	0		

*prospective study

1989-92

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

1993-96

StN Ref	NRR	SEX	WKS	TIM	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
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											1.13	(0.66- 1.92)
*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)
Partial Totals							0	0	0	0		

*prospective study

1997-00

StN Ref	NRR	SEX	WKS	TIM	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
*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)
Partial Totals							0	0	0	0		

*prospective study

2001-04

StN Ref	NRR	SEX	WKS	TIM	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
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

2005-08

StN Ref	NRR	SEX	WKS	TIM	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
36	STRANG 26	m	a	e	2	0	134	347	39	98	0.97	(0.64- 1.48)
36	STRANG 18	f	a	e	2	0	52	507	29	272	0.96	(0.60- 1.55)
Subtotal 36											0.97	(0.70- 1.33)
*38	WEN 20	f	a	e	2	9	-	-	-	-	1.21	(0.74- 2.01)
Partial Totals							186	854	68	370		

*prospective study

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, 12-JUN-08
 Workers only, if available
 By publication year (grouped) - adjusted

		1984-88	1989-92	1993-96	1997-00	2001-04	2005-08	Total
Relative risks								
	N	3	4	4	2	4	3	20
	NS	2	2	2	2	3	2	13
	Wt	20.25	23.72	266.22	13.76	67.45	53.88	445.30
	Het Chi	2.63	2.91	0.23	0.03	5.36	0.55	17.76
	Het df	2	3	3	1	3	2	19
	Het P	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
	Fixed RR	1.03	1.24	1.04	1.76	1.28	1.03	1.10
	RRl	0.67	0.83	0.92	1.04	1.01	0.79	1.00
	RRu	1.60	1.86	1.18	2.98	1.63	1.35	1.21
	P	N.S.	N.S.	N.S.	+	+	N.S.	+
	Random RR	0.98	1.24	1.04	1.76	1.32	1.03	1.10
	RRl	0.58	0.83	0.92	1.04	0.95	0.79	1.00
	RRu	1.65	1.86	1.18	2.98	1.83	1.35	1.21
	P	N.S.	N.S.	N.S.	+	(+)	N.S.	+
	Asymm P	(*)	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
	Between Chi		0.38	0.00	2.32	0.73	0.00	6.04
	Between df		1	1	1	1	1	5
	Between P		N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
	Btwn(F) P		N.S.	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, 12-JUN-08
 Workers only, if available
 By publication year (grouped) - unadjusted

1984-88

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											0.52 (	0.28- 0.96)
*5 SVENDS	3	m	a	c	2	2	-	-	-	-	1.40 (	0.80- 2.50)
Partial Totals							19	103	47	153		

*prospective study

1989-92

StN Ref	NRR	SEX	WKS	TIM	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
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											1.64 (	0.92- 2.93)
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											0.85 (	0.52- 1.39)
Partial Totals							32	152	60	250		

*prospective study

1993-96

StN Ref	NRR	SEX	WKS	TIM	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
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											1.10 (	0.65- 1.85)
*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)
Partial Totals							64	88	39	58		

*prospective study

1997-00

StN Ref	NRR	SEX	WKS	TIM	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
*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)
Partial Totals							33	43	26	83		

*prospective study

2001-04

StN Ref	NRR	SEX	WKS	TIM	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
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											1.03 (	0.79- 1.36)
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							194	397	125	265		

*prospective study

2005-08

StN Ref	NRR	SEX	WKS	TIM	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
36 STRANG	26	m	a	e	2	0	134	347	39	98	0.97 (	0.64- 1.48)
36 STRANG	18	f	a	e	2	0	52	507	29	272	0.96 (	0.60- 1.55)
Subtotal 36											0.97 (	0.70- 1.33)
*38 WEN	20	f	a	e	2	9	-	-	-	-	1.21 (	0.74- 2.01)
Partial Totals							186	854	68	370		

*prospective study

 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, 12-JUN-08
 Workers only, if available
 By publication year (grouped) - unadjusted

		1984-88	1989-92	1993-96	1997-00	2001-04	2005-08	Total
Relative risks								
	N	3	4	4	2	4	3	20
	NS	2	2	2	2	3	2	13
	Wt	21.78	27.58	266.67	16.87	74.18	53.88	460.97
	Het Chi	5.38	3.33	0.19	0.59	5.61	0.55	25.65
	Het df	2	3	3	1	3	2	19
	Het P	(*)	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
	Fixed RR	0.89	1.12	1.04	2.08	1.24	1.03	1.09
	RRl	0.58	0.77	0.92	1.29	0.99	0.79	1.00
	RRu	1.35	1.63	1.17	3.36	1.56	1.35	1.20
	P	N.S.	N.S.	N.S.	++	(+)	N.S.	(+)
	Random RR	0.77	1.13	1.04	2.08	1.30	1.03	1.13
	RRl	0.37	0.76	0.92	1.29	0.94	0.79	1.00
	RRu	1.60	1.69	1.17	3.36	1.79	1.35	1.28
	P	N.S.	N.S.	N.S.	++	N.S.	N.S.	(+)
	Asymm P	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
	Between Chi		0.68	0.51	6.91	1.90	0.35	10.00
	Between df		1	1	1	1	1	5
	Between P		N.S.	N.S.	++	N.S.	N.S.	(*)
	Btwn(F) P		N.S.	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 39
ETS and Heart Disease - Meta-Analysis of Total Exposure, 12-JUN-08
 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	-	-	-	-	1.09 (0.72-	1.63)
12 DOBSON	10	f	c	4	4	-	-	-	-	2.24 (1.28-	3.91)
Subtotal 12											
18 TUNSTA	2	c	c	a	4	-	-	-	-	1.34 (1.07-	1.67)
*21 KAWACH	1	f	c	4	15	-	-	-	-	1.71 (1.03-	2.84)
23 MCELDU	4	m	c	4	4	-	-	-	-	0.82 (0.55-	1.22)
23 MCELDU	2	f	c	4	4	-	-	-	-	2.15 (1.18-	3.92)
Subtotal 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	-	-	-	-	1.18 (0.87-	1.60)
28 PITSAV	4	m	c	4	10	-	-	-	-	1.33 (0.94-	1.88)
28 PITSAV	7	f	c	4	10	-	-	-	-	1.39 (0.87-	2.23)
Subtotal 28											
30 CHEN	4	c	c	a	10	-	-	-	-	1.50 (1.03-	2.20)
31 NISHTA	1	c	e	a	1	-	-	-	-	2.87 (1.28-	6.42)
36 STRANG	12	m	e	3	9	-	-	-	-	1.11 (0.69-	1.77)
36 STRANG	6	f	e	3	9	-	-	-	-	0.58 (0.33-	1.03)
Subtotal 36											
37 TEO	1	c	c	6	6	-	-	-	-	1.37 (1.27-	1.48)
*38 WEN	24	f	e	7	9	-	-	-	-	1.25 (0.69-	2.25)
Partial Totals						76	228	49	152		

*prospective study

StN Ref	NRR	SEX	TIM	TOT	ADJ	Ys	Ws	Qs	Ps
3 LEE	9	m	c	3	0	-0.95	5.42	7.11	0.0266
3 LEE	10	f	c	3	0	-0.66	6.85	4.98	0.0841
Subtotal 3									
*5 SVENDS	4	m	c	2	1	0.16	36.15	0.05	0.3452
9 JACKSO	16	m	c	4	4	0.13	23.71	0.09	0.5235
9 JACKSO	14	f	c	4	4	0.44	7.44	0.47	0.2253
Subtotal 9									
12 DOBSON	12	m	c	4	4	0.09	23.02	0.26	0.6793
12 DOBSON	10	f	c	4	4	0.81	12.32	4.64	0.0046
Subtotal 12									
18 TUNSTA	2	c	c	a	4	0.29	77.54	0.77	0.0100
*21 KAWACH	1	f	c	4	15	0.54	14.94	1.76	0.0381
23 MCELDU	4	m	c	4	4	-0.20	24.21	3.71	0.3288
23 MCELDU	2	f	c	4	4	0.77	10.66	3.49	0.0124
Subtotal 23									
25 HE	51	f	e	2	0	1.05	6.90	5.12	0.0056
26 IRIBAR	14	m	c	5	11	0.07	333.11	5.24	0.2169
26 IRIBAR	29	f	c	5	11	0.10	517.16	4.95	0.0302
Subtotal 26									
27 ROSENL	46	c	e	2	8	0.17	41.39	0.03	0.2869
28 PITSAV	4	m	c	4	10	0.29	31.98	0.27	0.1068
28 PITSAV	7	f	c	4	10	0.33	17.34	0.32	0.1703
Subtotal 28									
30 CHEN	4	c	c	a	10	0.41	26.68	1.20	0.0362
31 NISHTA	1	c	e	a	1	1.05	5.91	4.38	0.0104
36 STRANG	12	m	e	3	9	0.10	17.31	0.14	0.6641
36 STRANG	6	f	e	3	9	-0.54	11.86	6.46	0.0607
Subtotal 36									
37 TEO	1	c	c	6	6	0.31	656.19	9.72	0.0000
*38 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 39
ETS and Heart Disease - Meta-Analysis of Total Exposure, 12-JUN-08
 Overall - adjusted

Relative risks

	N	23
	NS	16
	Wt	1919.09
Het	Chi	65.18
Het	df	22
Het	P	***
Fixed	RR	1.21
	RRl	1.16
	RRu	1.27
	P	+++
Random	RR	1.23
	RRl	1.10
	RRu	1.37
	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 40
ETS and Heart Disease - Meta-Analysis of Total Exposure, 12-JUN-08
 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 ROSENL	45	c	e	2	0	240	474	77	177	1.16 (0.85-	1.59)
28 PITSAV	1	c	c	4	0	197	167	82	400	5.75 (4.20-	7.88)
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)
36 STRANG	11	m	e	3	0	128	297	45	148	1.42 (0.96-	2.10)
36 STRANG	5	f	e	3	0	56	519	25	260	1.12 (0.68-	1.84)
Subtotal 36											
37 TEO	1	c	c	6	6	-	-	-	-	1.37 (1.27-	1.48)
*38 WEN	24	f	e	7	9	-	-	-	-	1.25 (0.69-	2.25)
Partial Totals						1628	4953	1113	4226		

*prospective study

StN Ref	NRR	SEX	TIM	TOT	ADJ	Ys	Ws	Qs	Ps
3 LEE	9	m	c	3	0	-0.95	5.42	7.37	0.0266
3 LEE	10	f	c	3	0	-0.66	6.85	5.23	0.0841
Subtotal 3									
*5 SVENDS	4	m	c	2	1	0.16	36.15	0.12	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	7.37	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	0.25	0.0283
*21 KAWACH	1	f	c	4	15	0.54	14.94	1.55	0.0381
23 MCELDU	3	m	c	4	0	-0.23	29.19	5.82	0.2093
23 MCELDU	1	f	c	4	0	0.63	16.76	2.85	0.0104
Subtotal 23									
25 HE	51	f	e	2	0	1.05	6.90	4.88	0.0056
26 IRIBAR	14	m	c	5	11	0.07	333.11	7.14	0.2169
26 IRIBAR	29	f	c	5	11	0.10	517.16	7.30	0.0302
Subtotal 26									
27 ROSENL	45	c	e	2	0	0.15	40.14	0.16	0.3363
28 PITSAV	1	c	c	4	0	1.75	38.82	91.57	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	4.17	0.0104
36 STRANG	11	m	e	3	0	0.35	24.90	0.45	0.0817
36 STRANG	5	f	e	3	0	0.12	15.72	0.15	0.6477
Subtotal 36									
37 TEO	1	c	c	6	6	0.31	656.19	6.66	0.0000
*38 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, 12-JUN-08
 Overall - unadjusted

Relative risks

	N	22
	NS	16
	Wt	1955.18
Het	Chi	153.56
Het	df	21
Het	P	***
Fixed	RR	1.24
	RRl	1.19
	RRu	1.29
	P	+++
Random	RR	1.30
	RRl	1.12
	RRu	1.51
	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 Biomarker, 12-JUN-08
 By biomarker type - adjusted

Cotinine

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

COHb

StN Ref	NRR	SEX	ADJ	Number Exposed		Non-exposed		RR	95.00%CI	
				Case	Cont	Case	Cont			
*35	HEDBLA	8	m	11	-	-	-	2.22	(1.21-	4.09)
Partial Totals					0	0	0	0		

*prospective study

Relative risks		Cotinine		COHb		Total	
	N	3		1		4	
	NS	3		1		4	
	Wt	158.40		10.36		168.76	
	Het Chi	5.53		0.00		10.44	
	Het df	2		0		3	
	Het P	(*)		N.S.		*	
	Fixed RR	1.09		2.22		1.14	
	RRl	0.93		1.21		0.98	
	RRu	1.28		4.08		1.33	
	P	N.S.		+		(+)	
	Random RR	1.12		2.22		1.27	
	RRl	0.83		1.21		0.91	
	RRu	1.50		4.08		1.77	
	P	N.S.		+		N.S.	
	Asymm P	N.S.				N.S.	
	Between Chi			4.90		4.90	
	Between df			1		1	
	Between P			+	N.S.	N.S.	N.S.
	Btwn(F) P			N.S.	N.S.	N.S.	N.S.

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

Table 42

ETS and Heart Disease - Meta-Analysis of ETS Exposure assessed by Biomarker, 12-JUN-08
By biomarker type - unadjusted

Cotinine

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

COHb

StN Ref	NRR	SEX	ADJ	Number Exposed		Non-exposed		RR	95.00%CI
				Case	Cont	Case	Cont		
*35 HEDBLA	4	m	1	-	-	-	-	2.10 (	1.18- 3.73)
Partial Totals				0	0	0	0		

*prospective study

Relative risks		Cotinine	COHb	Total
	N	3	1	4
	NS	3	1	4
	Wt	138.85	11.60	150.45
	Het Chi	1.72	0.00	5.47
	Het df	2	0	3
	Het P	N.S.	N.S.	N.S.
Fixed	RR	1.16	2.10	1.22
	RRl	0.98	1.18	1.04
	RRu	1.37	3.73	1.43
	P	(+)	+	+
Random	RR	1.16	2.10	1.26
	RRl	0.98	1.18	1.00
	RRu	1.37	3.73	1.60
	P	(+)	+	(+)
Asymm	P	N.S.		N.S.
Between	Chi		3.76	3.76
Between	df		1	1
Between	P		(+)	(*)
Btwn(F)	P		N.S.	N.S.
			N.S.	N.S.
			N.S.	N.S.
			N.S.	N.S.

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

Table 43
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 12-JUN-08
 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	(0.58- 2.67)
3	LEE	4	f	s	m	n	2	2	-	-	-	-	0.93	(0.53- 1.64)
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)
36	STRANG	22	m	h	e	n	2	0	156	370	39	91	0.98	(0.65- 1.50)
36	STRANG	14	f	h	e	n	2	0	78	671	11	123	1.30	(0.67- 2.51)
Subtotal 36														
37	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37	(1.27- 1.48)
*38	WEN	17	f	s	m	f	2	9	-	-	-	-	0.99	(0.72- 1.37)

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), 12-JUN-08
 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
*40	HILL1	2	m	h	c	f	2 9	-	-	-	-	1.04	(0.88- 1.23)
*40	HILL1	4	f	h	c	f	2 9	-	-	-	-	0.98	(0.83- 1.17)
Subtotal 40													
*41	HILL2	2	m	h	c	f	2 9	-	-	-	-	1.18	(0.96- 1.44)
*41	HILL2	4	f	h	c	f	2 9	-	-	-	-	1.27	(0.98- 1.66)
Subtotal 41													
Partial Totals								386	1253	319	777		
*prospective study													

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	0.13	0.1655
*2	GARLAN	5	f	s	e	f	2 5	0.99	1.81	1.42	0.1811
3	LEE	2	m	s	m	n	2 2	0.22	6.59	0.07	0.5808
3	LEE	4	f	s	m	n	2 2	-0.07	12.04	0.40	0.8012
Subtotal 3											
4	MARTIN	1	f	s	e	n	2 6	0.96	6.33	4.53	0.0162
*5	SVENDS	2	m	s	c	b	2 6	0.48	14.27	1.92	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	2.56	0.0457
*8	HOLE	2	f	h	e	f	2 5	0.50	7.04	1.08	0.1838
Subtotal 8											
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	4.04	0.0285
Subtotal 9											
*10	SANDLE	2	m	h	c	f	2 4	0.27	77.28	2.00	0.0176
*10	SANDLE	4	f	h	c	f	2 4	0.17	213.52	0.89	0.0110
Subtotal 10											
*11	HUMBLE	1	f	s	c	f	8 4	0.46	16.88	2.12	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	9.01	0.0006
Subtotal 12											
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											
14	LAYARD	2	m	s	e	f	2 2	-0.03	48.72	0.95	0.8316
14	LAYARD	10	f	s	e	f	2 2	-0.01	147.49	2.10	0.9029
Subtotal 14											
*15	LEVOIS	1	m	s	e	f	2 2	-0.03	646.64	12.61	0.4386
*15	LEVOIS	6	f	s	e	f	2 2	0.03	1627.60	10.33	0.2331
Subtotal 15											
17	MUSCAT	1	m	s	e	n	2 0	0.32	8.14	0.38	0.3546
17	MUSCAT	2	f	s	e	n	2 0	0.28	5.82	0.17	0.4970
Subtotal 17											
18	TUNSTA	2	c	t	c	n	2 4	0.29	77.54	2.61	0.0100
*19	STEENL	3	m	s	e	f	2 12	0.09	345.72	0.18	0.1091
*19	STEENL	4	f	s	e	f	2 13	0.04	314.64	1.54	0.4866
Subtotal 19											
20	JANGHO	1	f	s	e	n	2 0	0.32	27.39	1.24	0.0922
*21	KAWACH	11	f	h	c	b	2 15	0.43	9.45	0.94	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	1.68	0.1058
Subtotal 22											
23	MCELDU	4	m	t	c	b	2 4	-0.20	24.21	2.29	0.3288
23	MCELDU	2	f	t	c	b	2 4	0.77	10.66	4.59	0.0124
Subtotal 23											
25	HE	2	f	s	e	n	2 6	0.47	12.11	1.58	0.1020
26	IRIBAR	4	m	h	c	n	2 11	0.12	268.97	0.05	0.0450
26	IRIBAR	19	f	h	c	n	2 11	0.18	495.01	2.65	0.0000
Subtotal 26											
27	ROSENL	2	m	s	e	n	2 8	-0.04	23.37	0.53	0.8436
27	ROSENL	14	f	s	e	n	2 8	0.43	17.27	1.73	0.0772
Subtotal 27											
28	PITSAV	9	c	h	c	n a	6	0.29	23.73	0.73	0.1648

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), 12-JUN-08
 Excluding Enstrom
 Overall - adjusted

Overall

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Ys	Ws	Qs	Ps
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	3.24	0.0395
33	MCGHEE	1	m	h	p	f	2	2	0.26	24.91	0.58	0.1904
33	MCGHEE	2	f	h	p	f	2	2	0.33	26.31	1.27	0.0912
Subtotal 33									0.37	51.22	1.86	
*34	QURESH	1	f	s	m	b	2	7	0.05	54.13	0.20	0.7196
36	STRANG	22	m	h	e	n	2	0	-0.02	21.86	0.34	0.9391
36	STRANG	14	f	h	e	n	2	0	0.26	8.82	0.21	0.4361
Subtotal 36									0.03	30.68	0.55	
37	TEO	1	c	t	c	n	2	6	0.31	656.19	27.74	0.0000
*38	WEN	17	f	s	m	f	2	9	-0.01	37.13	0.53	0.9512
*40	HILL1	2	m	h	c	f	2	9	0.04	137.04	0.67	0.6461
*40	HILL1	4	f	h	c	f	2	9	-0.02	130.35	2.18	0.8176
Subtotal 40									-0.20	267.40	2.85	
*41	HILL2	2	m	h	c	f	2	9	0.17	93.46	0.30	0.1096
*41	HILL2	4	f	h	c	f	2	9	0.24	55.32	0.93	0.0754
Subtotal 41									0.19	148.79	1.23	

Relative risks

	N	52
	NS	34
	Wt	5924.85
Het	Chi	117.62
Het	df	51
Het	P	***
Fixed	RR	1.12
	RRl	1.09
	RRu	1.14
	P	+++
Random	RR	1.17
	RRl	1.11
	RRu	1.24
	P	+++
Asymm	P	**

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = 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), 12-JUN-08
 Excluding Enstrom
 Overall - unadjusted

Overall

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	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)
36	STRANG	22	m	h	e	n	2	0	156	370	39	91	0.98	(0.65- 1.50)
36	STRANG	14	f	h	e	n	2	0	78	671	11	123	1.30	(0.67- 2.51)
Subtotal 36														
37	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37	(1.27- 1.48)
*38	WEN	17	f	s	m	f	2	9	-	-	-	-	0.99	(0.72- 1.37)

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), 12-JUN-08
 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
*40	HILL1	1	m	h	c	f	2 2	-	-	-	-	1.00	(0.85- 1.18)
*40	HILL1	3	f	h	c	f	2 2	-	-	-	-	0.98	(0.83- 1.15)
Subtotal 40													
*41	HILL2	1	m	h	c	f	2 2	-	-	-	-	1.07	(0.86- 1.32)
*41	HILL2	3	f	h	c	f	2 2	-	-	-	-	1.26	(0.98- 1.63)
Subtotal 41													
Partial Totals								3158	98585	3700	81775		
*prospective study													

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	0.57	0.9867
*2	GARLAN	1	f	s	e	f	2 0	1.25	1.81	2.50	0.0912
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	0.15	0.9185
Subtotal 3											
4	MARTIN	1	f	s	e	n	2 6	0.96	6.33	4.84	0.0162
*5	SVENDS	1	m	s	c	b	2 0	0.38	15.65	1.43	0.1296
*6	BUTLER	1	f	s	e	f	2 0	0.30	15.03	0.75	0.2372
*8	HOLE	3	m	h	e	f	2 5	0.55	13.29	2.90	0.0457
*8	HOLE	2	f	h	e	f	2 5	0.50	7.04	1.24	0.1838
Subtotal 8											
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	5.07	0.0168
Subtotal 9											
*10	SANDLE	1	m	h	c	f	2 0	0.14	90.22	0.30	0.1881
*10	SANDLE	3	f	h	c	f	2 0	-0.35	262.43	49.48	0.0000
Subtotal 10											
*11	HUMBLE	1	f	s	c	f	8 4	0.46	16.88	2.47	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	3.50	0.0240
Subtotal 12											
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	0.12	0.6013
Subtotal 13											
14	LAYARD	1	m	s	e	f	2 0	-0.07	52.96	1.17	0.6223
14	LAYARD	9	f	s	e	f	2 0	-0.00	155.06	1.04	0.9954
Subtotal 14											
*15	LEVOIS	1	m	s	e	f	2 2	-0.03	646.64	8.07	0.4386
*15	LEVOIS	6	f	s	e	f	2 2	0.03	1627.60	4.35	0.2331
Subtotal 15											
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											
18	TUNSTA	1	c	t	c	n	2 0	0.28	62.37	2.41	0.0283
*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	0.56	0.4866
Subtotal 19											
20	JANGHO	1	f	s	e	n	2 0	0.32	27.39	1.58	0.0922
*21	KAWACH	11	f	h	c	b	2 15	0.43	9.45	1.12	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	1.13	0.1800
Subtotal 22											
23	MCELDU	3	m	t	c	b	2 0	-0.23	29.19	2.87	0.2093
23	MCELDU	1	f	t	c	b	2 0	0.63	16.76	4.98	0.0104
Subtotal 23											
25	HE	1	f	s	e	n	2 0	0.84	17.19	9.91	0.0005
26	IRIBAR	4	m	h	c	n	2 11	0.12	268.97	0.45	0.0450
26	IRIBAR	19	f	h	c	n	2 11	0.18	495.01	5.06	0.0000
Subtotal 26											
27	ROSENL	1	m	s	e	n	2 0	-0.05	26.10	0.47	0.7851
27	ROSENL	13	f	s	e	n	2 0	0.29	20.97	0.89	0.1879
Subtotal 27											
28	PITSAV	9	c	h	c	n	a 6	0.29	23.73	0.99	0.1648

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), 12-JUN-08
 Excluding Enstrom
 Overall - unadjusted

Overall

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Ys	Ws	Qs	Ps
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	3.48	0.0395
33	MCGHEE	5	m	h	p	f	2	0	0.24	29.42	0.73	0.1963
33	MCGHEE	6	f	h	p	f	2	0	0.27	33.81	1.22	0.1147
Subtotal 33									0.35	63.24	1.95	
*34	QURESH	2	f	s	m	b	2	0	0.16	54.27	0.35	0.2341
36	STRANG	22	m	h	e	n	2	0	-0.02	21.86	0.21	0.9391
36	STRANG	14	f	h	e	n	2	0	0.26	8.82	0.29	0.4361
Subtotal 36									0.08	30.68	0.50	
37	TEO	1	c	t	c	n	2	6	0.31	656.19	35.80	0.0000
*38	WEN	17	f	s	m	f	2	9	-0.01	37.13	0.31	0.9512
*40	HILL1	1	m	h	c	f	2	2	0.00	142.80	0.94	1.0000
*40	HILL1	3	f	h	c	f	2	2	-0.02	144.50	1.49	0.8081
Subtotal 40									-0.18	287.30	2.43	
*41	HILL2	1	m	h	c	f	2	2	0.07	83.70	0.02	0.5359
*41	HILL2	3	f	h	c	f	2	2	0.23	59.36	1.33	0.0750
Subtotal 41									0.14	143.06	1.35	

Relative risks

	N	52
	NS	34
	Wt	6052.69
Het	Chi	169.76
Het	df	51
Het	P	***
Fixed	RR	1.08
	RRl	1.06
	RRu	1.11
	P	+++
Random	RR	1.15
	RRl	1.08
	RRu	1.23
	P	+++
Asymm	P	*

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = 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), 12-JUN-08
 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)
37	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	(0.58- 2.67)
*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)
36	STRANG	22	m	h	e	n	2	0	156	370	39	91	0.98	(0.65- 1.50)
*40	HILL1	2	m	h	c	f	2	9	-	-	-	-	1.04	(0.88- 1.23)
*41	HILL2	2	m	h	c	f	2	9	-	-	-	-	1.18	(0.96- 1.44)
Partial Totals									185	416	142	314		

*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	(0.53- 1.64)
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	STRANG	14	f	h	e	n	2	0	78	671	11	123	1.30	(0.67- 2.51)
*38	WEN	17	f	s	m	f	2	9	-	-	-	-	0.99	(0.72- 1.37)

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), 12-JUN-08
 Excluding Enstrom
 By sex - adjusted

female

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
*40	HILL1	4	f	h	c	f	2	9	-	-	-	-	0.98	(0.83- 1.17)
*41	HILL2	4	f	h	c	f	2	9	-	-	-	-	1.27	(0.98- 1.66)
Partial Totals									201	837	177	463		

*prospective study

Relative risks		combined	male	female	Total
	N	5	19	28	52
	NS	5	19	28	52
	Wt	774.82	1779.25	3370.78	5924.85
Het	Chi	1.98	20.99	56.24	117.62
Het	df	4	18	27	51
Het	P	N.S.	N.S.	***	***
Fixed	RR	1.37	1.06	1.09	1.12
	RRl	1.28	1.01	1.06	1.09
	RRu	1.47	1.11	1.13	1.14
	P	+++	+	+++	+++
Random	RR	1.37	1.08	1.19	1.17
	RRl	1.28	1.02	1.10	1.11
	RRu	1.47	1.14	1.28	1.24
	P	+++	+	+++	+++
Asymm	P	N.S.	N.S.	***	**
Between	Chi		35.28	31.75	38.41
Between	df		1	1	2
Between	P		---	---	***
Btwn(F)	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); 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), 12-JUN-08
 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)
37	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	ROSENL	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)
36	STRANG	22	m	h	e	n	2	0	156	370	39	91	0.98 (	0.65- 1.50)
*40	HILL1	1	m	h	c	f	2	2	-	-	-	-	1.00 (	0.85- 1.18)
*41	HILL2	1	m	h	c	f	2	2	-	-	-	-	1.07 (	0.86- 1.32)
Partial Totals									657	2617	1715	6533		

*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	ROSENL	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	STRANG	14	f	h	e	n	2	0	78	671	11	123	1.30 (	0.67- 2.51)
*38	WEN	17	f	s	m	f	2	9	-	-	-	-	0.99 (	0.72- 1.37)

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), 12-JUN-08
 Excluding Enstrom
 By sex - unadjusted

female

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
*40	HILL1	3	f	h	c	f	2	2	-	-	-	-	0.98	(0.83- 1.15)
*41	HILL2	3	f	h	c	f	2	2	-	-	-	-	1.26	(0.98- 1.63)
Partial Totals									2172	94752	1886	74759		

*prospective study

Relative risks		combined	male	female	Total
	N	5	19	28	52
	NS	5	19	28	52
	Wt	759.65	1810.79	3482.25	6052.69
	Het Chi	2.03	17.59	103.41	169.76
	Het df	4	18	27	51
	Het P	N.S.	N.S.	***	***
Fixed	RR	1.37	1.04	1.05	1.08
	RRl	1.27	1.00	1.02	1.06
	RRu	1.47	1.09	1.09	1.11
	P	+++	(+)	++	+++
Random	RR	1.37	1.04	1.19	1.15
	RRl	1.27	1.00	1.08	1.08
	RRu	1.47	1.09	1.31	1.23
	P	+++	(+)	+++	+++
Asymm	P	N.S.	N.S.	**	*
Between	Chi		39.39	42.66	46.73
Between	df		1	1	2
Between	P		---	---	***
Btwn(F)	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); 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), 12-JUN-08
 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														
*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														
*34	QURESH	1	f	s	m	b	2	7	-	-	-	-	1.05	(0.81- 1.38)
36	STRANG	22	m	h	e	n	2	0	156	370	39	91	0.98	(0.65- 1.50)
36	STRANG	14	f	h	e	n	2	0	78	671	11	123	1.30	(0.67- 2.51)
Subtotal 36														
Partial Totals									282	1093	116	320	1.07	(0.75- 1.52)
*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	(0.58- 2.67)
3	LEE	4	f	s	m	n	2	2	-	-	-	-	0.93	(0.53- 1.64)
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	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														
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														

 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), 12-JUN-08
 Excluding Enstrom
 By continent - adjusted

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)
*38 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 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)
37 TEO	1	c	t	c	n	2	6	-	-	-	-	1.37	(1.27- 1.48)
*40 HILL1	2	m	h	c	f	2	9	-	-	-	-	1.04	(0.88- 1.23)
*40 HILL1	4	f	h	c	f	2	9	-	-	-	-	0.98	(0.83- 1.17)
Subtotal 40												1.01	(0.90- 1.14)
*41 HILL2	2	m	h	c	f	2	9	-	-	-	-	1.18	(0.96- 1.44)
*41 HILL2	4	f	h	c	f	2	9	-	-	-	-	1.27	(0.98- 1.66)
Subtotal 41												1.21	(1.03- 1.42)
Partial Totals								0	0	0	0		

*prospective study

	NAmerica	Europe	Asia	Other	Total	
Relative risks						
	N	21	11	13	52	
	NS	14	7	7	34	
	Wt	4348.75	202.86	220.78	1152.45	5924.85
	Het Chi	37.28	5.76	6.16	37.12	117.62
	Het df	20	10	6	12	51
	Het P	*	N.S.	N.S.	***	***
	Fixed RR	1.07	1.29	1.24	1.26	1.12
	RRl	1.04	1.12	1.09	1.19	1.09
	RRu	1.10	1.48	1.41	1.33	1.14
	P	+++	+++	++	+++	+++
	Random RR	1.10	1.29	1.24	1.24	1.17
	RRl	1.04	1.12	1.08	1.07	1.11
	RRu	1.16	1.48	1.42	1.44	1.24
	P	+++	+++	++	++	+++
	Asymm P	**	N.S.	*	N.S.	**
	Between Chi		6.68	4.61	24.30	31.29
	Between df		1	1	1	3
	Between P		++	+	+++	***
	Btwn(F) 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); 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), 12-JUN-08
 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)
36	STRANG	22	m	h	e	n	2	0	156	370	39	91	0.98	(0.65- 1.50)
36	STRANG	14	f	h	e	n	2	0	78	671	11	123	1.30	(0.67- 2.51)
Subtotal 36													1.07	(0.75- 1.52)
Partial Totals									1705	26248	1827	55731		
*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														

 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), 12-JUN-08
 Excluding Enstrom
 By continent - unadjusted

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)
*38 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 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												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)
37 TEO	1	c	t	c	n	2	6	-	-	-	-	1.37	(1.27- 1.48)
*40 HILL1	1	m	h	c	f	2	2	-	-	-	-	1.00	(0.85- 1.18)
*40 HILL1	3	f	h	c	f	2	2	-	-	-	-	0.98	(0.83- 1.15)
Subtotal 40												0.99	(0.88- 1.11)
*41 HILL2	1	m	h	c	f	2	2	-	-	-	-	1.07	(0.86- 1.32)
*41 HILL2	3	f	h	c	f	2	2	-	-	-	-	1.26	(0.98- 1.63)
Subtotal 41												1.15	(0.97- 1.35)
Partial Totals								193	499	769	1943		

*prospective study

Relative risks		NAmerica	Europe	Asia	Other	Total
	N	21	11	7	13	52
	NS	14	7	6	7	34
	Wt	4423.29	195.21	240.89	1193.30	6052.69
	Het Chi	75.76	5.25	15.30	38.34	169.76
	Het df	20	10	6	12	51
	Het P	***	N.S.	*	***	***
	Fixed RR	1.04	1.26	1.20	1.23	1.08
	RR1	1.01	1.09	1.06	1.16	1.06
	RRu	1.07	1.45	1.36	1.30	1.11
	P	+	++	++	+++	+++
	Random RR	1.07	1.26	1.31	1.18	1.15
	RR1	0.99	1.09	1.05	1.03	1.08
	RRu	1.16	1.45	1.63	1.37	1.23
	P	(+)	++	+	+	+++
	Asymm P	N.S.	N.S.	*	N.S.	*
	Between Chi		7.14	5.00	27.73	35.10
	Between df		1	1	1	3
	Between P		++	+	+++	***
	Btwn(F) P		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 49
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 12-JUN-08
 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 (	0.58- 2.67)
3	LEE 4	f	s	m	n	2	2	-	-	-	-	0.93 (	0.53- 1.64)
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

 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), 12-JUN-08
 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													

2001-04

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)
Partial Totals								0	0	0	0		
*prospective study													

2005-08

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed 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													
*34	QURESH 1	f	s	m	b	2	7	-	-	-	-	1.05 (	0.81- 1.38)
36	STRANG 22	m	h	e	n	2	0	156	370	39	91	0.98 (	0.65- 1.50)
36	STRANG 14	f	h	e	n	2	0	78	671	11	123	1.30 (	0.67- 2.51)
Subtotal 36													
37	TEO 1	c	t	c	n	2	6	-	-	-	-	1.37 (	1.27- 1.48)
*38	WEN 17	f	s	m	f	2	9	-	-	-	-	0.99 (	0.72- 1.37)
*40	HILL1 2	m	h	c	f	2	9	-	-	-	-	1.04 (	0.88- 1.23)
*40	HILL1 4	f	h	c	f	2	9	-	-	-	-	0.98 (	0.83- 1.17)
Subtotal 40													
*41	HILL2 2	m	h	c	f	2	9	-	-	-	-	1.18 (	0.96- 1.44)
*41	HILL2 4	f	h	c	f	2	9	-	-	-	-	1.27 (	0.98- 1.66)
Subtotal 41													
Partial Totals								234	1041	50	214		
*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 49
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 12-JUN-08
 Excluding Enstrom
 By publication year (grouped) - adjusted

	1984-88	1989-92	1993-96	1997-00	2001-04	2005-08	Total
Relative risks							
N	7	11	9	7	7	11	52
NS	6	6	5	5	5	7	34
Wt	144.00	368.15	3222.30	99.15	845.69	1245.54	5924.85
Het Chi	7.24	13.86	10.32	9.45	5.91	23.12	117.62
Het df	6	10	8	6	6	10	51
Het P	N.S.	N.S.	N.S.	N.S.	N.S.	*	***
Fixed RR	1.22	1.29	1.03	1.32	1.18	1.23	1.12
RRl	1.04	1.17	0.99	1.09	1.11	1.16	1.09
RRu	1.44	1.43	1.07	1.61	1.27	1.30	1.14
P	+	+++	(+)	++	+++	+++	+++
Random RR	1.26	1.39	1.04	1.37	1.18	1.15	1.17
RRl	1.02	1.18	0.99	1.06	1.11	1.04	1.11
RRu	1.55	1.64	1.08	1.77	1.27	1.28	1.24
P	+	+++	N.S.	+	+++	++	+++
Asymm P	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	**
Between Chi		0.31	4.15	0.35	0.14	0.00	47.71
Between df		1	1	1	1	1	5
Between P		N.S.	-	N.S.	N.S.	N.S.	***
Btwn(F) 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) 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), 12-JUN-08
 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													

 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), 12-JUN-08
 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													

2001-04

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)
Partial Totals								118	232	200	429		
*prospective study													

2005-08

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
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)
36	STRANG 22	m	h	e	n	2	0	156	370	39	91	0.98	(0.65- 1.50)
36	STRANG 14	f	h	e	n	2	0	78	671	11	123	1.30	(0.67- 2.51)
Subtotal 36													
37	TEO 1	c	t	c	n	2	6	-	-	-	-	1.37	(1.27- 1.48)
*38	WEN 17	f	s	m	f	2	9	-	-	-	-	0.99	(0.72- 1.37)
*40	HILL1 1	m	h	c	f	2	2	-	-	-	-	1.00	(0.85- 1.18)
*40	HILL1 3	f	h	c	f	2	2	-	-	-	-	0.98	(0.83- 1.15)
Subtotal 40													
*41	HILL2 1	m	h	c	f	2	2	-	-	-	-	1.07	(0.86- 1.32)
*41	HILL2 3	f	h	c	f	2	2	-	-	-	-	1.26	(0.98- 1.63)
Subtotal 41													
Partial Totals								561	3085	526	1965		
*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 50
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 12-JUN-08
 Excluding Enstrom
 By publication year (grouped) - unadjusted

		1984-88	1989-92	1993-96	1997-00	2001-04	2005-08	Total
Relative risks								
	N	7	11	9	7	7	11	52
	NS	6	6	5	5	5	7	34
	Wt	148.83	441.28	3218.94	119.63	852.13	1271.88	6052.69
	Het Chi	10.05	50.58	9.01	16.09	5.32	25.86	169.76
	Het df	6	10	8	6	6	10	51
	Het P	N.S.	***	N.S.	*	N.S.	**	***
Fixed	RR	1.15	0.90	1.03	1.35	1.18	1.22	1.08
	RRl	0.98	0.82	0.99	1.13	1.10	1.15	1.06
	RRu	1.35	0.99	1.06	1.61	1.26	1.29	1.11
	P	(+)	-	N.S.	++	+++	+++	+++
Random	RR	1.29	1.29	1.03	1.40	1.18	1.14	1.15
	RRl	1.00	0.96	0.99	1.03	1.10	1.02	1.08
	RRu	1.68	1.74	1.07	1.89	1.26	1.28	1.23
	P	(+)	(+)	N.S.	+	+++	+	+++
Asymm	P	*	**	N.S.	N.S.	N.S.	N.S.	*
Between	Chi		6.40	1.79	1.64	0.09	0.43	52.84
Between	df		1	1	1	1	1	5
Between	P		-	N.S.	N.S.	N.S.	N.S.	***
Btwn(F)	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) 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), 12-JUN-08
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	(0.58- 2.67)
3	LEE	4	f	s	m	n	2	2	-	-	-	-	0.93	(0.53- 1.64)
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)
36	STRANG	25	m	h	c	n	2	0	18	58	177	403	0.71	(0.40- 1.23)
36	STRANG	17	f	h	c	n	2	0	11	104	78	690	0.94	(0.48- 1.82)
Subtotal 36														
37	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37	(1.27- 1.48)
*38	WEN	18	f	s	c	f	2	9	-	-	-	-	1.19	(0.84- 1.67)
*40	HILL1	2	m	h	c	f	2	9	-	-	-	-	1.04	(0.88- 1.23)
*40	HILL1	4	f	h	c	f	2	9	-	-	-	-	0.98	(0.83- 1.17)

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), 12-JUN-08
 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	
Subtotal 40												1.01 (	0.90-	1.14)
*41	HILL2	2	m	h	c	f	2	9	-	-	-	1.18 (	0.96-	1.44)
*41	HILL2	4	f	h	c	f	2	9	-	-	-	1.27 (	0.98-	1.66)
Subtotal 41												1.21 (	1.03-	1.42)
Partial Totals								140	314	458	1499			
*prospective study														

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	0.06	0.1655
*2	GARLAN	4	f	s	c	f	8	1	0.81	1.01	0.48	0.4145
3	LEE	2	m	s	m	n	2	2	0.22	6.59	0.06	0.5808
3	LEE	4	f	s	m	n	2	2	-0.07	12.04	0.45	0.8012
Subtotal 3								-0.10	18.63	0.51		
4	MARTIN	1	f	s	e	n	2	6	0.96	6.33	4.40	0.0162
*5	SVENDS	2	m	s	c	b	2	6	0.48	14.27	1.80	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	2.42	0.0457
*8	HOLE	2	f	h	e	f	2	5	0.50	7.04	1.01	0.1838
Subtotal 8								0.81	20.33	3.43		
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	3.95	0.0285
Subtotal 9								1.13	6.56	3.97		
*10	SANDLE	2	m	h	c	f	2	4	0.27	77.28	1.71	0.0176
*10	SANDLE	4	f	h	c	f	2	4	0.17	213.52	0.59	0.0110
Subtotal 10								0.20	290.80	2.30		
*11	HUMBLE	1	f	s	c	f	8	4	0.46	16.88	1.98	0.0567
12	DOBSON	4	m	h	c	b	2	2	-0.03	8.90	0.21	0.9276
12	DOBSON	2	f	h	c	b	2	2	0.90	14.40	8.73	0.0006
Subtotal 12								0.63	23.30	8.94		
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	1.12	0.8316
14	LAYARD	10	f	s	e	f	2	2	-0.01	147.49	2.55	0.9029
Subtotal 14								-0.28	196.21	3.67		
*15	LEVOIS	2	m	s	c	f	8	2	-0.02	660.03	13.23	0.6037
*15	LEVOIS	7	f	s	c	f	8	2	0.04	1659.41	11.20	0.1101
Subtotal 15								-0.22	2319.43	24.42		
17	MUSCAT	1	m	s	e	n	2	0	0.32	8.14	0.34	0.3546
17	MUSCAT	2	f	s	e	n	2	0	0.28	5.82	0.15	0.4970
Subtotal 17								0.36	13.96	0.49		
18	TUNSTA	2	c	t	c	n	2	4	0.29	77.54	2.28	0.0100
*19	STEENL	1	m	s	c	f	8	12	0.20	212.64	1.28	0.0037
*19	STEENL	2	f	s	c	f	8	13	0.10	196.22	0.13	0.1818
Subtotal 19								0.05	408.86	1.41		
20	JANGHO	1	f	s	e	n	2	0	0.32	27.39	1.10	0.0922
*21	KAWACH	11	f	h	c	b	2	15	0.43	9.45	0.87	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	1.59	0.1058
Subtotal 22								0.47	15.34	1.60		
23	MCELDU	4	m	t	c	b	2	4	-0.20	24.21	2.48	0.3288
23	MCELDU	2	f	t	c	b	2	4	0.77	10.66	4.42	0.0124
Subtotal 23								0.32	34.87	6.90		
25	HE	2	f	s	e	n	2	6	0.47	12.11	1.47	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	1.84	0.0000
Subtotal 26								0.06	763.97	1.84		
27	ROSENL	4	m	s	c	n	8	8	-0.02	13.01	0.26	0.9419
27	ROSENL	16	f	s	c	n	8	8	0.95	7.55	5.20	0.0089
Subtotal 27								0.69	20.56	5.46		
28	PITSAV	9	c	h	c	n	a	6	0.29	23.73	0.64	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	3.14	0.0395
33	MCGHEE	1	m	h	p	f	2	2	0.26	24.91	0.50	0.1904
33	MCGHEE	2	f	h	p	f	2	2	0.33	26.31	1.14	0.0912

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), 12-JUN-08
 Excluding Enstrom
 Overall - adjusted

Overall

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Ys	Ws	Qs	Ps
Subtotal 33								0.35	51.22	1.63	
*34	QURESH 1	f	s	m	b	2	7	0.05	54.13	0.29	0.7196
36	STRANG 25	m	h	c	n	2	0	-0.35	12.36	2.71	0.2222
36	STRANG 17	f	h	c	n	2	0	-0.07	8.71	0.31	0.8444
Subtotal 36								-0.66	21.07	3.02	
37	TEO 1	c	t	c	n	2	6	0.31	656.19	24.56	0.0000
*38	WEN 18	f	s	c	f	2	9	0.17	32.54	0.09	0.3211
*40	HILL1 2	m	h	c	f	2	9	0.04	137.04	0.92	0.6461
*40	HILL1 4	f	h	c	f	2	9	-0.02	130.35	2.61	0.8176
Subtotal 40								-0.22	267.40	3.54	
*41	HILL2 2	m	h	c	f	2	9	0.17	93.46	0.18	0.1096
*41	HILL2 4	f	h	c	f	2	9	0.24	55.32	0.77	0.0754
Subtotal 41								0.16	148.79	0.95	

Relative risks

	N	51
	NS	34
	Wt	5668.25
	Het Chi	117.48
	Het df	50
	Het P	***
Fixed	RR	1.13
	RRl	1.10
	RRu	1.16
	P	+++
Random	RR	1.19
	RRl	1.13
	RRu	1.26
	P	+++
Asymm	P	**

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = 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), 12-JUN-08
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)
36	STRANG	25	m	h	c	n	2	0	18	58	177	403	0.71	(0.40- 1.23)
36	STRANG	17	f	h	c	n	2	0	11	104	78	690	0.94	(0.48- 1.82)
Subtotal 36														
37	TEO	1	c	t	c	n	2	6	-	-	-	-	1.37	(1.27- 1.48)
*38	WEN	18	f	s	c	f	2	9	-	-	-	-	1.19	(0.84- 1.67)

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), 12-JUN-08
 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
*40	HILL1	1	m	h	c	f	2 2	-	-	-	-	1.00 (	0.85- 1.18)
*40	HILL1	3	f	h	c	f	2 2	-	-	-	-	0.98 (	0.83- 1.15)
Subtotal 40													
*41	HILL2	1	m	h	c	f	2 2	-	-	-	-	1.07 (	0.86- 1.32)
*41	HILL2	3	f	h	c	f	2 2	-	-	-	-	1.26 (	0.98- 1.63)
Subtotal 41													
Partial Totals								2835	89039	3905	82655	1.15 (	0.97- 1.35)
*prospective study													

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	0.73	0.9867
*2	GARLAN	2	f	s	c	f	8 0	0.74	1.02	0.43	0.4568
3	LEE	1	m	s	m	n	2 0	0.29	7.10	0.29	0.4340
3	LEE	3	f	s	m	n	2 0	-0.03	12.62	0.18	0.9185
Subtotal 3											
4	MARTIN	1	f	s	e	n	2 6	0.96	6.33	4.72	0.0162
*5	SVENDS	1	m	s	c	b	2 0	0.38	15.65	1.33	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	2.77	0.0457
*8	HOLE	2	f	h	e	f	2 5	0.50	7.04	1.18	0.1838
Subtotal 8											
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	4.99	0.0168
Subtotal 9											
*10	SANDLE	1	m	h	c	f	2 0	0.14	90.22	0.20	0.1881
*10	SANDLE	3	f	h	c	f	2 0	-0.35	262.43	51.85	0.0000
Subtotal 10											
*11	HUMBLE	1	f	s	c	f	8 4	0.46	16.88	2.34	0.0567
12	DOBSON	3	m	h	c	b	2 0	0.04	11.77	0.03	0.8905
12	DOBSON	1	f	h	c	b	2 0	0.47	22.62	3.32	0.0240
Subtotal 12											
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	0.13	0.5916
Subtotal 13											
14	LAYARD	1	m	s	e	f	2 0	-0.07	52.96	1.34	0.6223
14	LAYARD	9	f	s	e	f	2 0	-0.00	155.06	1.31	0.9954
Subtotal 14											
*15	LEVOIS	2	m	s	c	f	8 2	-0.02	660.03	8.24	0.6037
*15	LEVOIS	7	f	s	c	f	8 2	0.04	1659.41	4.54	0.1101
Subtotal 15											
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											
18	TUNSTA	1	c	t	c	n	2 0	0.28	62.37	2.16	0.0283
*19	STEENL	1	m	s	c	f	8 12	0.20	212.64	2.45	0.0037
*19	STEENL	2	f	s	c	f	8 13	0.10	196.22	0.00	0.1818
Subtotal 19											
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	5	m	s	c	n	2 0	-0.00	8.06	0.07	0.9912
22	CIRUZZ	6	f	s	c	n	2 0	0.39	11.59	1.06	0.1800
Subtotal 22											
23	MCELDU	3	m	t	c	b	2 0	-0.23	29.19	3.06	0.2093
23	MCELDU	1	f	t	c	b	2 0	0.63	16.76	4.79	0.0104
Subtotal 23											
25	HE	1	f	s	e	n	2 0	0.84	17.19	9.65	0.0005
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	4.08	0.0000
Subtotal 26											
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	3.93	0.0241
Subtotal 27											
28	PITSAV	9	c	h	c	n	a 6	0.29	23.73	0.89	0.1648

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), 12-JUN-08
 Excluding Enstrom
 Overall - unadjusted

Overall

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Ys	Ws	Qs	Ps
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	5	m	h	p	f	2	0	0.24	29.42	0.63	0.1963
33	MCGHEE	6	f	h	p	f	2	0	0.27	33.81	1.09	0.1147
Subtotal 33									0.33	63.24	1.73	
*34	QURESH	2	f	s	m	b	2	0	0.16	54.27	0.27	0.2341
36	STRANG	25	m	h	c	n	2	0	-0.35	12.36	2.38	0.2222
36	STRANG	17	f	h	c	n	2	0	-0.07	8.71	0.22	0.8444
Subtotal 36									-0.60	21.07	2.60	
37	TEO	1	c	t	c	n	2	6	0.31	656.19	32.72	0.0000
*38	WEN	18	f	s	c	f	2	9	0.17	32.54	0.22	0.3211
*40	HILL1	1	m	h	c	f	2	2	0.00	142.80	1.20	1.0000
*40	HILL1	3	f	h	c	f	2	2	-0.02	144.50	1.80	0.8081
Subtotal 40									-0.20	287.30	3.00	
*41	HILL2	1	m	h	c	f	2	2	0.07	83.70	0.05	0.5359
*41	HILL2	3	f	h	c	f	2	2	0.23	59.36	1.16	0.0750
Subtotal 41									0.12	143.06	1.20	

Relative risks

	N	52
	NS	34
	Wt	5794.76
Het	Chi	170.73
Het	df	51
Het	P	***
Fixed	RR	1.10
	RRl	1.07
	RRu	1.12
	P	+++
Random	RR	1.16
	RRl	1.09
	RRu	1.24
	P	+++
Asymm	P	*

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = 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), 12-JUN-08
 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)
37	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	(0.58- 2.67)
*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	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)
36	STRANG 25	m	h	c	n	2	0	18	58	177	403	0.71	(0.40- 1.23)
*40	HILL1 2	m	h	c	f	2	9	-	-	-	-	1.04	(0.88- 1.23)
*41	HILL2 2	m	h	c	f	2	9	-	-	-	-	1.18	(0.96- 1.44)
Partial Totals								38	83	225	486		

*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	(0.53- 1.64)
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	STRANG 17	f	h	c	n	2	0	11	104	78	690	0.94	(0.48- 1.82)
*38	WEN 18	f	s	c	f	2	9	-	-	-	-	1.19	(0.84- 1.67)
*40	HILL1 4	f	h	c	f	2	9	-	-	-	-	0.98	(0.83- 1.17)

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), 12-JUN-08
 Excluding Enstrom
 By sex - adjusted

female

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
*41	HILL2	4	f	h	c	f	2	9	-	-	-	-	1.27	(0.98- 1.66)
Partial Totals									102	231	233	1013		
*prospective study														

Relative risks			combined	male	female	Total
	N		6	18	27	51
	NS		6	18	27	51
	Wt	781.77	1634.27	3252.21	5668.25	
Het	Chi	2.09	25.32	56.08	117.48	
Het	df	5	17	26	50	
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	1.14	1.16	
	P	+++	++	+++	+++	
Random	RR	1.37	1.11	1.21	1.19	
	RRl	1.27	1.03	1.12	1.13	
	RRu	1.47	1.20	1.31	1.26	
	P	+++	++	+++	+++	
Asymm	P	N.S.	N.S.	***	**	
Between	Chi		30.50	28.50	33.99	
Between	df		1	1	2	
Between	P		---	---	***	
Btwn(F)	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); 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), 12-JUN-08
 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)
37	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	ROENL	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)
36	STRANG	25	m	h	c	n	2	0	18	58	177	403	0.71	(0.40- 1.23)
*40	HILL1	1	m	h	c	f	2	2	-	-	-	-	1.00	(0.85- 1.18)
*41	HILL2	1	m	h	c	f	2	2	-	-	-	-	1.07	(0.86- 1.32)
Partial Totals									491	2239	1853	6845		

*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	ROENL	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	STRANG	17	f	h	c	n	2	0	11	104	78	690	0.94	(0.48- 1.82)
*38	WEN	18	f	s	c	f	2	9	-	-	-	-	1.19	(0.84- 1.67)

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), 12-JUN-08
 Excluding Enstrom
 By sex - unadjusted

female

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
*40	HILL1	3	f	h	c	f	2	2	-	-	-	-	0.98	(0.83- 1.15)
*41	HILL2	3	f	h	c	f	2	2	-	-	-	-	1.26	(0.98- 1.63)
Partial Totals									2015	85584	1953	75327		

*prospective study

Relative risks		combined	male	female	Total
	N	5	19	28	52
	NS	5	19	28	52
	Wt	759.65	1669.35	3365.76	5794.76
Het	Chi	2.03	22.57	103.26	170.73
Het	df	4	18	27	51
Het	P	N.S.	N.S.	***	***
Fixed	RR	1.37	1.06	1.06	1.10
	RRl	1.27	1.01	1.03	1.07
	RRu	1.47	1.11	1.10	1.12
	P	+++	+	+++	+++
Random	RR	1.37	1.07	1.20	1.16
	RRl	1.27	1.01	1.09	1.09
	RRu	1.47	1.15	1.33	1.24
	P	+++	+	+++	+++
Asymm	P	N.S.	N.S.	**	*
Between	Chi		34.63	39.80	42.86
Between	df		1	1	2
Between	P		---	---	***
Btwn(F)	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); 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), 12-JUN-08
 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)
36	STRANG	25	m	h	c	n	2	0	18	58	177	403	0.71	(0.40- 1.23)
36	STRANG	17	f	h	c	n	2	0	11	104	78	690	0.94	(0.48- 1.82)
Subtotal 36													0.79	(0.52- 1.22)
Partial Totals									77	214	321	1199		
*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	(0.58- 2.67)
3	LEE	4	f	s	m	n	2	2	-	-	-	-	0.93	(0.53- 1.64)
Subtotal 3													1.03	(0.65- 1.62)
*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														

 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), 12-JUN-08
 Excluding Enstrom
 By continent - adjusted

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)
*38 WEN	18	f	s	c	f	2	9	-	-	-	-	1.19	(0.84- 1.67)
Partial Totals								63	100	137	300		

*prospective study

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)
37 TEO	1	c	t	c	n	2	6	-	-	-	-	1.37	(1.27- 1.48)
*40 HILL1	2	m	h	c	f	2	9	-	-	-	-	1.04	(0.88- 1.23)
*40 HILL1	4	f	h	c	f	2	9	-	-	-	-	0.98	(0.83- 1.17)
Subtotal 40												1.01	(0.90- 1.14)
*41 HILL2	2	m	h	c	f	2	9	-	-	-	-	1.18	(0.96- 1.44)
*41 HILL2	4	f	h	c	f	2	9	-	-	-	-	1.27	(0.98- 1.66)
Subtotal 41												1.21	(1.03- 1.42)
Partial Totals								0	0	0	0		

*prospective study

		NAmerica	Europe	Asia	Other	Total
Relative risks						
	N	21	10	7	13	51
	NS	14	7	6	7	34
	Wt	4120.14	179.47	216.19	1152.45	5668.25
	Het Chi	39.25	7.58	4.13	37.12	117.48
	Het df	20	9	6	12	50
	Het P	**	N.S.	N.S.	***	***
	Fixed RR	1.08	1.33	1.28	1.26	1.13
	RR1	1.05	1.15	1.12	1.19	1.10
	RRu	1.11	1.54	1.46	1.33	1.16
	P	+++	+++	+++	+++	+++
	Random RR	1.12	1.33	1.28	1.24	1.19
	RR1	1.05	1.15	1.12	1.07	1.13
	RRu	1.19	1.54	1.46	1.44	1.26
	P	+++	+++	+++	++	+++
	Asymm P	*	N.S.	**	N.S.	**
	Between Chi		7.42	5.83	20.61	29.40
	Between df		1	1	1	3
	Between P		++	+	+++	***
	Btwn(F) 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); 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), 12-JUN-08
 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)
36	STRANG	25	m	h	c	n	2	0	18	58	177	403	0.71	(0.40- 1.23)
36	STRANG	17	f	h	c	n	2	0	11	104	78	690	0.94	(0.48- 1.82)
Subtotal 36													0.79	(0.52- 1.22)
Partial Totals									1469	16882	2032	56611		
*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														

 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), 12-JUN-08
 Excluding Enstrom
 By continent - unadjusted

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)
*38 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 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												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)
37 TEO	1	c	t	c	n	2	6	-	-	-	-	1.37	(1.27- 1.48)
*40 HILL1	1	m	h	c	f	2	2	-	-	-	-	1.00	(0.85- 1.18)
*40 HILL1	3	f	h	c	f	2	2	-	-	-	-	0.98	(0.83- 1.15)
Subtotal 40												0.99	(0.88- 1.11)
*41 HILL2	1	m	h	c	f	2	2	-	-	-	-	1.07	(0.86- 1.32)
*41 HILL2	3	f	h	c	f	2	2	-	-	-	-	1.26	(0.98- 1.63)
Subtotal 41												1.15	(0.97- 1.35)
Partial Totals								193	499	769	1943		

*prospective study

Relative risks		NAmerica	Europe	Asia	Other	Total
	N	21	11	7	13	52
	NS	14	7	6	7	34
	Wt	4195.31	169.85	236.30	1193.30	5794.76
	Het Chi	78.27	5.55	13.72	38.34	170.73
	Het df	20	10	6	12	51
	Het P	***	N.S.	*	***	***
	Fixed RR	1.05	1.32	1.24	1.23	1.10
	RR1	1.01	1.14	1.09	1.16	1.07
	RRu	1.08	1.54	1.40	1.30	1.12
	P	++	+++	++	+++	+++
	Random RR	1.08	1.32	1.34	1.18	1.16
	RR1	0.99	1.14	1.09	1.03	1.09
	RRu	1.17	1.54	1.66	1.37	1.24
	P	(+)	+++	++	+	+++
	Asymm P	N.S.	N.S.	**	N.S.	*
	Between Chi		9.15	6.32	24.62	34.84
	Between df		1	1	1	3
	Between P		++	+	+++	***
	Btwn(F) 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); 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), 12-JUN-08
 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 (	0.58- 2.67)
3	LEE 4	f	s	m	n	2	2	-	-	-	-	0.93 (	0.53- 1.64)
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

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
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- 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), 12-JUN-08
 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													

2001-04

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)
Partial Totals								0	0	0	0		
*prospective study													

2005-08

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed 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													
*34	QURESH 1	f	s	m	b	2	7	-	-	-	-	1.05	(0.81- 1.38)
36	STRANG 25	m	h	c	n	2	0	18	58	177	403	0.71	(0.40- 1.23)
36	STRANG 17	f	h	c	n	2	0	11	104	78	690	0.94	(0.48- 1.82)
Subtotal 36													
37	TEO 1	c	t	c	n	2	6	-	-	-	-	1.37	(1.27- 1.48)
*38	WEN 18	f	s	c	f	2	9	-	-	-	-	1.19	(0.84- 1.67)
*40	HILL1 2	m	h	c	f	2	9	-	-	-	-	1.04	(0.88- 1.23)
*40	HILL1 4	f	h	c	f	2	9	-	-	-	-	0.98	(0.83- 1.17)
Subtotal 40													
*41	HILL2 2	m	h	c	f	2	9	-	-	-	-	1.18	(0.96- 1.44)
*41	HILL2 4	f	h	c	f	2	9	-	-	-	-	1.27	(0.98- 1.66)
Subtotal 41													
Partial Totals								29	162	255	1093		
*prospective study													

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- 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), 12-JUN-08
 Excluding Enstrom
 By publication year (grouped) - adjusted

	1984-88	1989-92	1993-96	1997-00	2001-04	2005-08	Total
Relative risks							
N	7	10	9	7	7	11	51
NS	6	6	5	5	5	7	34
Wt	131.31	364.83	3016.01	99.15	825.62	1231.33	5668.25
Het Chi	6.24	13.73	14.83	9.45	8.81	24.74	117.48
Het df	6	9	8	6	6	10	50
Het P	N.S.	N.S.	(*)	N.S.	N.S.	**	***
Fixed RR	1.24	1.30	1.05	1.32	1.19	1.23	1.13
RRl	1.05	1.17	1.01	1.09	1.11	1.16	1.10
RRu	1.47	1.44	1.08	1.61	1.27	1.30	1.16
P	+	+++	+	++	+++	+++	+++
Random RR	1.26	1.41	1.07	1.37	1.21	1.15	1.19
RRl	1.04	1.18	1.00	1.06	1.08	1.03	1.13
RRu	1.51	1.68	1.14	1.77	1.37	1.29	1.26
P	+	+++	+	+	++	+	+++
Asymm P	N.S.	(*)	N.S.	N.S.	N.S.	(*)	**
Between Chi		0.17	3.69	0.23	0.20	0.01	39.67
Between df		1	1	1	1	1	5
Between P		N.S.	(-)	N.S.	N.S.	N.S.	***
Btwn(F) 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) 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), 12-JUN-08
 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	-	-	-	-	1.04	(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:

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- 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), 12-JUN-08
 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													

2001-04

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)
Partial Totals								48	75	200	429		
*prospective study													

2005-08

StN Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Number Case	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
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)
36	STRANG 25	m	h	c	n	2	0	18	58	177	403	0.71	(0.40- 1.23)
36	STRANG 17	f	h	c	n	2	0	11	104	78	690	0.94	(0.48- 1.82)
Subtotal 36													
37	TEO 1	c	t	c	n	2	6	-	-	-	-	1.37	(1.27- 1.48)
*38	WEN 18	f	s	c	f	2	9	-	-	-	-	1.19	(0.84- 1.67)
*40	HILL1 1	m	h	c	f	2	2	-	-	-	-	1.00	(0.85- 1.18)
*40	HILL1 3	f	h	c	f	2	2	-	-	-	-	0.98	(0.83- 1.15)
Subtotal 40													
*41	HILL2 1	m	h	c	f	2	2	-	-	-	-	1.07	(0.86- 1.32)
*41	HILL2 3	f	h	c	f	2	2	-	-	-	-	1.26	(0.98- 1.63)
Subtotal 41													
Partial Totals								356	2206	731	2844		
*prospective study													

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
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- 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), 12-JUN-08
 Excluding Enstrom
 By publication year (grouped) - unadjusted

		1984-88	1989-92	1993-96	1997-00	2001-04	2005-08	Total
Relative risks								
	N	7	11	9	7	7	11	52
	NS	6	6	5	5	5	7	34
	Wt	136.77	439.28	3012.65	119.63	828.77	1257.67	5794.76
	Het Chi	7.64	50.47	13.71	16.09	6.95	27.52	170.73
	Het df	6	10	8	6	6	10	51
	Het P	N.S.	***	(*)	*	N.S.	**	***
Fixed	RR	1.12	0.90	1.04	1.35	1.19	1.22	1.10
	RRl	0.95	0.82	1.01	1.13	1.11	1.15	1.07
	RRu	1.32	0.99	1.08	1.61	1.27	1.29	1.12
	P	N.S.	-	+	++	+++	+++	+++
Random	RR	1.20	1.30	1.06	1.40	1.20	1.14	1.16
	RRl	0.95	0.96	1.00	1.03	1.09	1.01	1.09
	RRu	1.53	1.74	1.13	1.89	1.31	1.28	1.24
	P	N.S.	(+)	(+)	+	+++	+	+++
Asymm	P	N.S.	**	N.S.	N.S.	N.S.	(*)	*
Between	Chi		4.71	0.60	2.20	0.47	0.92	48.35
Between	df		1	1	1	1	1	5
Between	P		-	N.S.	N.S.	N.S.	N.S.	***
Btwn(F)	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) 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)

