

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 LEE2015B.pdf. The results are also summarized in the following documents: download LEE2015.pdf (which includes references to the individual studies, and a description of the type of heart disease studied by each), LEE2015A.pdf and LEE2014K.pdf.

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Table 1
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 28-JAN-15
 Overall - adjusted

Overall

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
1	HIRAYA	6	f	-	-	-	1.16	(0.94- 1.43)
2	GARLAN	5	f	-	-	-	2.70	(0.63- 11.58)
3	LEE	2	m	-	-	-	1.24	(0.58- 2.67)
3	LEE	4	f	-	-	-	0.93	(0.53- 1.64)
Subtotal 3								1.03 (0.65- 1.62)
4	MARTIN	1	f	-	-	-	2.60	(1.20- 5.70)
5	SVENDS	2	m	-	-	-	1.61	(0.96- 2.71)
6	BUTLER	2	f	-	-	-	1.07	(0.65- 1.75)
8	HOLE	3	m	-	-	-	1.73	(1.01- 2.96)
8	HOLE	2	f	-	-	-	1.65	(0.79- 3.46)
Subtotal 8								1.70 (1.10- 2.63)
9	JACKSO	4	m	-	-	-	1.06	(0.39- 2.91)
9	JACKSO	2	f	-	-	-	3.74	(1.15- 12.19)
Subtotal 9								1.80 (0.84- 3.87)
10	SANDLE	2	m	-	-	-	1.31	(1.05- 1.64)
10	SANDLE	4	f	-	-	-	1.19	(1.04- 1.36)
Subtotal 10								1.22 (1.09- 1.37)
11	HUMBLE	1	f	-	-	-	1.59	(0.99- 2.57)
12	DOBSON	4	m	-	-	-	0.97	(0.50- 1.86)
12	DOBSON	2	f	-	-	-	2.46	(1.47- 4.13)
Subtotal 12								1.72 (1.15- 2.59)
13	GARDIN	2	c	-	-	-	0.57	(0.19- 1.74)
14	LAVECC	2	m	9	21	55	140	1.09 (0.47- 2.53)
14	LAVECC	1	f	32	39	11	17	1.27 (0.52- 3.09)
Subtotal 14								1.17 (0.64- 2.16)
15	LAYARD	2	m	-	-	-	0.97	(0.73- 1.28)
15	LAYARD	10	f	-	-	-	0.99	(0.84- 1.16)
Subtotal 15								0.98 (0.86- 1.13)
16	LEVOIS	1	m	-	-	-	0.97	(0.90- 1.05)
16	LEVOIS	6	f	-	-	-	1.03	(0.98- 1.08)
Subtotal 16								1.01 (0.97- 1.06)
18	MUSCAT	1	m	20	25	48	83	1.38 (0.70- 2.75)
18	MUSCAT	2	f	28	27	18	23	1.33 (0.59- 2.99)
Subtotal 18								1.36 (0.80- 2.30)
19	TUNSTA	2	c	-	-	-	1.34	(1.07- 1.67)
20	STEENL	3	m	-	-	-	1.09	(0.98- 1.21)
20	STEENL	4	f	-	-	-	1.04	(0.93- 1.16)
Subtotal 20								1.07 (0.99- 1.15)
21	JANGHO	1	f	63	100	137	300	1.38 (0.95- 2.01)
22	KAWACH	11	f	-	-	-	1.53	(0.81- 2.90)
23	CIRUZZ	7	m	-	-	-	1.18	(0.55- 2.52)
23	CIRUZZ	8	f	-	-	-	1.73	(0.89- 3.36)
Subtotal 23								1.47 (0.89- 2.42)
24	MCELDU	4	m	-	-	-	0.82	(0.55- 1.22)
24	MCELDU	2	f	-	-	-	2.15	(1.18- 3.92)
Subtotal 24								1.10 (0.79- 1.53)
26	HE1	2	f	-	-	-	1.60	(0.94- 2.90)
27	IRIBAR	4	m	-	-	-	1.13	(1.00- 1.27)
27	IRIBAR	19	f	-	-	-	1.20	(1.09- 1.30)
Subtotal 27								1.17 (1.09- 1.26)
28	ROSENL	2	m	-	-	-	0.96	(0.64- 1.44)
28	ROSENL	14	f	-	-	-	1.53	(0.95- 2.44)
Subtotal 28								1.17 (0.86- 1.59)
29	PITSAV	9	c	-	-	-	1.33	(0.89- 1.99)
30	ENSTRO	16	m	-	-	-	0.93	(0.83- 1.04)
30	ENSTRO	32	f	-	-	-	0.99	(0.92- 1.08)
Subtotal 30								0.97 (0.91- 1.03)
31	CHEN	10	c	-	-	-	1.20	(0.70- 2.20)
32	NISHTA	3	c	-	-	-	2.38	(1.04- 5.42)
34	MCGHEE	1	m	-	-	-	1.30	(0.88- 1.93)
34	MCGHEE	2	f	-	-	-	1.39	(0.95- 2.04)
Subtotal 34								1.35 (1.02- 1.77)
35	QURESH	1	f	-	-	-	1.05	(0.81- 1.38)
37	STRANG	22	m	156	370	39	91	0.98 (0.65- 1.50)
37	STRANG	14	f	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), in last 10 years (t)
- 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), 28-JAN-15
 Overall - adjusted

Overall		Number Exposed		Non-exposed		RR	95.00%CI
StN	Ref	S	C	C	C		
Subtotal	37					1.07 (0.75- 1.52)	
38	TEO 1	c	-	-	-	1.37 (1.27- 1.48)	
39	WEN 17	f	-	-	-	0.99 (0.72- 1.37)	
41	HILL1 2	m	-	-	-	1.04 (0.88- 1.23)	
41	HILL1 4	f	-	-	-	0.98 (0.83- 1.17)	
Subtotal	41					1.01 (0.90- 1.14)	
42	HILL2 2	m	-	-	-	1.18 (0.96- 1.44)	
42	HILL2 4	f	-	-	-	1.27 (0.98- 1.66)	
Subtotal	42					1.21 (1.03- 1.42)	
43	HE2 8	f	-	-	-	1.69 (1.31- 2.18)	
44	SULO 2	m	-	-	-	1.68 (0.81- 3.47)	
44	SULO 4	f	-	-	-	1.19 (0.25- 5.64)	
Subtotal	44					1.58 (0.82- 3.05)	
45	VOZORI 2	c	-	-	-	1.00 (0.80- 1.20)	
46	DING 2	f	-	-	-	1.52 (1.01- 2.27)	
47	GALLO 17	c	-	-	-	1.99 (0.92- 4.29)	
49	JEFFER 2	c	-	-	-	2.41 (1.04- 5.59)	
50	PEINEM 1	c	33	379	95	1387	1.27 (0.84- 1.92)
51	CHEN2 1	c	133	675	272	1601	1.16 (0.93- 1.45)
52	HE3 2	m	-	-	-	-	2.24 (0.76- 6.59)
52	HE3 4	f	-	-	-	-	2.10 (0.69- 6.33)
Subtotal	52						2.17 (1.00- 4.70)
53	CLARK 4	m	-	-	-	-	1.98 (1.00- 3.93)
53	CLARK 3	f	-	-	-	-	0.94 (0.67- 1.32)
Subtotal	53						1.09 (0.80- 1.48)
54	TROMSO 2	m	-	-	-	-	0.91 (0.61- 1.35)
54	TROMSO 16	f	-	-	-	-	1.42 (1.06- 1.90)
Subtotal	54						1.21 (0.96- 1.54)
55	KASTOR 2	c	-	-	-	-	4.33 (1.52- 12.38)
56	HALS2 2	m	-	-	-	-	1.26 (0.37- 4.31)
56	HALS2 4	f	-	-	-	-	1.12 (0.55- 2.28)
Subtotal	56						1.15 (0.62- 2.13)
Partial Totals			552	2307	686	3765	

*prospective study

StN	Ref	NRR	SEX	EXP	TYS	Ws	Qs	Ps
1	HIRAYA	6	f	s	0.15	87.29	0.21	0.1655
2	GARLAN	5	f	s	0.99	1.81	1.45	0.1811
3	LEE	2	m	s	0.22	6.59	0.09	0.5808
3	LEE	4	f	s	-0.07	12.04	0.35	0.8012
Subtotal	3				0.03	18.63	0.44	
4	MARTIN	1	f	s	0.96	6.33	4.65	0.0162
5	SVENDS	2	m	s	0.48	14.27	2.03	0.0720
6	BUTLER	2	f	s	0.07	15.67	0.02	0.7889
8	HOLE	3	m	h	0.55	13.29	2.68	0.0457
8	HOLE	2	f	h	0.50	7.04	1.14	0.1838
Subtotal	8				0.53	20.33	3.82	
9	JACKSO	4	m	h	0.06	3.80	0.01	0.9095
9	JACKSO	2	f	h	1.32	2.76	4.11	0.0285
Subtotal	9				0.59	6.56	4.11	
10	SANDLE	2	m	h	0.27	77.28	2.27	0.0176
10	SANDLE	4	f	h	0.17	213.52	1.21	0.0110
Subtotal	10				0.20	290.80	3.47	
11	HUMBLE	1	f	s	0.46	16.88	2.25	0.0567
12	DOBSON	4	m	h	-0.03	8.90	0.15	0.9276
12	DOBSON	2	f	h	0.90	14.40	9.25	0.0006
Subtotal	12				0.54	23.30	9.40	
13	GARDIN	2	c	s	-0.56	3.13	1.37	0.3198
14	LAVECC	2	m	s	0.09	5.43	0.00	0.8393
14	LAVECC	1	f	s	0.24	4.84	0.09	0.6013
Subtotal	14				0.16	10.27	0.09	
15	LAYARD	2	m	s	-0.03	48.72	0.81	0.8316
15	LAYARD	10	f	s	-0.01	147.49	1.75	0.9029
Subtotal	15				-0.02	196.21	2.56	

 Within each study, 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), in last 10 years (t)
- 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), 28-JAN-15
 Overall - adjusted

Overall

StN	Ref	NRR	SEX	EXP	Tys	Ws	Qs	Ps	
16	LEVOIS	1	m	s	-0.03	646.64	10.81	0.4386	
16	LEVOIS	6	f	s	0.03	1627.60	7.81	0.2331	
Subtotal 16						0.01	2274.24	18.61	
18	MUSCAT	1	m	s	0.32	8.14	0.41	0.3546	
18	MUSCAT	2	f	s	0.28	5.82	0.19	0.4970	
Subtotal 18						0.31	13.96	0.61	
19	TUNSTA	2	c	t	0.29	77.54	2.91	0.0100	
20	STEENL	3	m	s	0.09	345.72	0.06	0.1091	
20	STEENL	4	f	s	0.04	314.64	1.12	0.4866	
Subtotal 20						0.06	660.35	1.17	
21	JANGHO	1	f	s	0.32	27.39	1.36	0.0922	
22	KAWACH	11	f	h	0.43	9.45	1.01	0.1912	
23	CIRUZZ	7	m	s	0.17	6.63	0.03	0.6699	
23	CIRUZZ	8	f	s	0.55	8.71	1.76	0.1058	
Subtotal 23						0.38	15.34	1.79	
24	MCELDU	4	m	t	-0.20	24.21	2.14	0.3288	
24	MCELDU	2	f	t	0.77	10.66	4.74	0.0124	
Subtotal 24						0.10	34.87	6.88	
26	HE1	2	f	s	0.47	12.11	1.67	0.1020	
27	IRIBAR	4	m	h	0.12	268.97	0.15	0.0450	
27	IRIBAR	19	f	h	0.18	495.01	3.45	0.0000	
Subtotal 27						0.16	763.97	3.60	
28	ROSENL	2	m	s	-0.04	23.37	0.46	0.8436	
28	ROSENL	14	f	s	0.43	17.27	1.84	0.0772	
Subtotal 28						0.16	40.64	2.30	
29	PITSAV	9	c	h	0.29	23.73	0.82	0.1648	
30	ENSTRO	16	m	s	-0.07	302.04	8.87	0.2072	
30	ENSTRO	32	f	s	-0.01	597.66	7.08	0.8059	
Subtotal 30						-0.03	899.71	15.95	
31	CHEN	10	c	h	0.18	11.72	0.08	0.5326	
32	NISHTA	3	c	s	0.87	5.64	3.33	0.0395	
34	MCGHEE	1	m	h	0.26	24.91	0.67	0.1904	
34	MCGHEE	2	f	h	0.33	26.31	1.40	0.0912	
Subtotal 34						0.30	51.22	2.06	
35	QURESH	1	f	s	0.05	54.13	0.14	0.7196	
37	STRANG	22	m	h	-0.02	21.86	0.29	0.9391	
37	STRANG	14	f	h	0.26	8.82	0.24	0.4361	
Subtotal 37						0.06	30.68	0.53	
38	TEO	1	c	t	0.31	656.19	30.61	0.0000	
39	WEN	17	f	s	-0.01	37.13	0.44	0.9512	
41	HILL1	2	m	h	0.04	137.04	0.49	0.6461	
41	HILL1	4	f	h	-0.02	130.35	1.85	0.8176	
Subtotal 41						0.01	267.40	2.33	
42	HILL2	2	m	h	0.17	93.46	0.42	0.1096	
42	HILL2	4	f	h	0.24	55.32	1.09	0.0754	
Subtotal 42						0.19	148.79	1.50	
43	HE2	8	f	t	0.52	59.24	10.75	0.0001	
44	SULO	2	m	s	0.52	7.26	1.28	0.1622	
44	SULO	4	f	s	0.17	1.58	0.01	0.8268	
Subtotal 44						0.46	8.84	1.29	
45	VOZORI	2	c	t	0.00	93.46	0.91	1.0000	
46	DING	2	f	h	0.42	23.43	2.40	0.0427	
47	GALLO	17	c	s	0.69	6.48	2.25	0.0798	
49	JEFFER	2	c	s	0.88	5.43	3.31	0.0403	
50	PEINEM	1	c	t	0.24	22.63	0.45	0.2536	
51	CHEN2	1	c	t	0.15	75.18	0.18	0.1987	
52	HE3	2	m	t	0.81	3.29	1.65	0.1433	
52	HE3	4	f	t	0.74	3.13	1.29	0.1894	
Subtotal 52						0.78	6.42	2.94	
53	CLARK	4	m	h	0.68	8.20	2.80	0.0504	
53	CLARK	3	f	h	-0.06	33.42	0.86	0.7206	
Subtotal 53						0.08	41.62	3.66	
54	TROMSO	2	m	h	-0.09	24.35	0.91	0.6417	
54	TROMSO	16	f	h	0.35	45.12	2.86	0.0185	
Subtotal 54						0.19	69.47	3.77	

 Within each study, 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), in last 10 years (t)
- 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), 28-JAN-15
 Overall - adjusted

Overall

StN	Ref	NRR	SEX	EXP	Tys	Ws	Qs	Ps
55	KASTOR	2	c	t	1.47	3.49	6.53	0.0062
56	HALS2	2	m	h	0.23	2.55	0.04	0.7121
56	HALS2	4	f	h	0.11	7.60	0.00	0.7547
Subtotal 56					0.14	10.15	0.05	

Relative risks

	N	73
	NS	49
	Wt	7253.54
Het	Chi	174.07
Het	df	72
Het	P	***
Fixed	RR	1.10
	RRl	1.08
	RRu	1.13
	P	+++
Random	RR	1.18
	RRl	1.12
	RRu	1.24
	P	+++
Asymm	P	***

 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), in last 10 years (t)
- 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), 28-JAN-15
 Overall - unadjusted

Overall		Number Exposed		Non-exposed		RR	95.00%CI
StN	Ref NRR	SCase	Cont	Case	Cont		
1	HIRAYA 3	f	376	69645	118	21895	1.00 (0.82- 1.23)
2	GARLAN 1	f	17	492	2	203	3.51 (0.82- 15.04)
3	LEE 1	m	15	40	26	93	1.34 (0.64- 2.80)
3	LEE 3	f	55	229	22	89	0.97 (0.56- 1.69)
Subtotal 3							1.09 (0.70- 1.70)
4	MARTIN 1	f	-	-	-	-	2.60 (1.20- 5.70)
5	SVENDS 1	m	21	286	48	959	1.47 (0.89- 2.41)
6	BUTLER 1	f	20	10579	60	43052	1.36 (0.82- 2.25)
8	HOLE 3	m	-	-	-	-	1.73 (1.01- 2.96)
8	HOLE 2	f	-	-	-	-	1.65 (0.79- 3.46)
Subtotal 8							1.70 (1.10- 2.63)
9	JACKSO 3	m	-	-	-	-	1.10 (0.40- 3.00)
9	JACKSO 1	f	-	-	-	-	4.00 (1.35- 13.10)
Subtotal 9							1.94 (0.91- 4.13)
10	SANDLE 1	m	122	1248	248	2914	1.15 (0.93- 1.41)
10	SANDLE 3	f	551	9551	437	5322	0.70 (0.62- 0.79)
Subtotal 10							0.80 (0.72- 0.88)
11	HUMBLE 1	f	-	-	-	-	1.59 (0.99- 2.57)
12	DOBSON 3	m	22	34	161	259	1.04 (0.59- 1.84)
12	DOBSON 1	f	43	99	117	433	1.61 (1.06- 2.43)
Subtotal 12							1.39 (0.99- 1.93)
13	GARDIN 1	c	4	14	8	10	0.36 (0.08- 1.52)
14	LAVECC 2	m	9	21	55	140	1.09 (0.47- 2.53)
14	LAVECC 1	f	32	39	11	17	1.27 (0.52- 3.09)
Subtotal 14							1.17 (0.64- 2.16)
15	LAYARD 1	m	97	215	378	783	0.93 (0.71- 1.22)
15	LAYARD 9	f	455	961	459	969	1.00 (0.85- 1.17)
Subtotal 15							0.98 (0.86- 1.13)
16	LEVOIS 1	m	-	-	-	-	0.97 (0.90- 1.05)
16	LEVOIS 6	f	-	-	-	-	1.03 (0.98- 1.08)
Subtotal 16							1.01 (0.97- 1.06)
18	MUSCAT 1	m	20	25	48	83	1.38 (0.70- 2.75)
18	MUSCAT 2	f	28	27	18	23	1.33 (0.59- 2.99)
Subtotal 18							1.36 (0.80- 2.30)
19	TUNSTA 1	c	329	1216	99	483	1.32 (1.03- 1.69)
20	STEENL 3	m	-	-	-	-	1.09 (0.98- 1.21)
20	STEENL 4	f	-	-	-	-	1.04 (0.93- 1.16)
Subtotal 20							1.07 (0.99- 1.15)
21	JANGHO 1	f	63	100	137	300	1.38 (0.95- 2.01)
22	KAWACH 11	f	-	-	-	-	1.53 (0.81- 2.90)
23	CIRUZZ 5	m	15	22	141	206	1.00 (0.50- 1.99)
23	CIRUZZ 6	f	29	25	151	193	1.48 (0.83- 2.64)
Subtotal 23							1.26 (0.81- 1.96)
24	MCELDU 3	m	53	172	145	373	0.79 (0.55- 1.14)
24	MCELDU 1	f	31	147	54	479	1.87 (1.16- 3.02)
Subtotal 24							1.08 (0.81- 1.45)
26	HE1 1	f	76	95	39	113	2.32 (1.44- 3.72)
27	IRIBAR 4	m	-	-	-	-	1.13 (1.00- 1.27)
27	IRIBAR 19	f	-	-	-	-	1.20 (1.09- 1.30)
Subtotal 27							1.17 (1.09- 1.26)
28	ROSENL 1	m	53	113	141	285	0.95 (0.65- 1.39)
28	ROSENL 13	f	65	119	59	144	1.33 (0.87- 2.05)
Subtotal 28							1.10 (0.83- 1.47)
29	PITSAV 9	c	-	-	-	-	1.33 (0.89- 1.99)
30	ENSTRO 8	m	-	-	-	-	0.94 (0.85- 1.05)
30	ENSTRO 24	f	-	-	-	-	1.01 (0.94- 1.08)
Subtotal 30							0.99 (0.93- 1.05)
31	CHEN 10	c	-	-	-	-	1.20 (0.70- 2.20)
32	NISHTA 3	c	-	-	-	-	2.38 (1.04- 5.42)
34	MCGHEE 5	m	74	71	285	347	1.27 (0.88- 1.82)
34	MCGHEE 6	f	113	150	112	195	1.31 (0.94- 1.84)
Subtotal 34							1.29 (1.01- 1.65)
35	QURESH 2	f	140	1823	79	1209	1.18 (0.90- 1.53)
37	STRANG 22	m	156	370	39	91	0.98 (0.65- 1.50)
37	STRANG 14	f	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), in last 10 years (t)
- 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), 28-JAN-15
 Overall - unadjusted

Overall		Number Exposed		Non-exposed		RR	95.00%CI	
StN Ref	NRR	SCase	Cont	Case	Cont			
Subtotal 37						1.07 (	0.75- 1.52)	
38	TEO 1	c	-	-	-	1.37 (	1.27- 1.48)	
39	WEN 17	f	-	-	-	0.99 (	0.72- 1.37)	
41	HILL1 1	m	-	-	-	1.00 (	0.85- 1.18)	
41	HILL1 3	f	-	-	-	0.98 (	0.83- 1.15)	
Subtotal 41						0.99 (	0.88- 1.11)	
42	HILL2 1	m	-	-	-	1.07 (	0.86- 1.32)	
42	HILL2 3	f	-	-	-	1.26 (	0.98- 1.63)	
Subtotal 42						1.15 (	0.97- 1.35)	
43	HE2 1	f	200	277	231	501	1.57 (	1.23- 1.99)
44	SULO 1	m	-	-	-	-	1.76 (	0.98- 3.18)
44	SULO 3	f	-	-	-	-	1.05 (	0.48- 2.30)
Subtotal 44							1.46 (	0.91- 2.34)
45	VOZORI 1	c	293	11991	1480	34776	0.57 (	0.51- 0.65)
46	DING 1	f	95	65	219	254	1.70 (	1.18- 2.44)
47	GALLO 17	c	-	-	-	-	1.99 (	0.92- 4.29)
49	JEFFER 1	c	-	-	-	-	2.17 (	0.97- 4.84)
50	PEINEM 1	c	33	379	95	1387	1.27 (	0.84- 1.92)
51	CHEN2 1	c	133	675	272	1601	1.16 (	0.93- 1.45)
52	HE3 1	m	14	271	5	168	1.74 (	0.64- 4.73)
52	HE3 3	f	18	340	4	131	1.73 (	0.60- 5.03)
Subtotal 52							1.73 (	0.84- 3.60)
53	CLARK 2	m	10	2115	76	34308	2.13 (	1.11- 4.12)
53	CLARK 1	f	44	30877	181	94122	0.74 (	0.53- 1.03)
Subtotal 53							0.92 (	0.68- 1.23)
54	TROMSO 1	m	-	-	-	-	0.95 (	0.66- 1.37)
54	TROMSO 15	f	-	-	-	-	1.35 (	1.00- 1.81)
Subtotal 54							1.17 (	0.93- 1.48)
55	KASTOR 1	c	32	37	20	62	2.68 (	1.34- 5.35)
56	HALS2 1	m	-	-	-	-	1.35 (	0.46- 3.94)
56	HALS2 3	f	-	-	-	-	1.13 (	0.56- 2.29)
Subtotal 56							1.19 (	0.66- 2.15)
Partial Totals			4034	145626	6291	249095		
*prospective study								

StN Ref	NRR	SEX	EXP	Tys	Ws	Qs	Ps
1	HIRAYA 3	f	s	0.00	90.30	0.27	0.9867
2	GARLAN 1	f	s	1.25	1.81	2.60	0.0912
3	LEE 1	m	s	0.29	7.10	0.40	0.4340
3	LEE 3	f	s	-0.03	12.62	0.09	0.9185
Subtotal 3				0.09	19.72	0.49	
4	MARTIN 1	f	s	0.96	6.33	5.11	0.0162
5	SVENDS 1	m	s	0.38	15.65	1.67	0.1296
6	BUTLER 1	f	s	0.30	15.03	0.92	0.2372
8	HOLE 3	m	h	0.55	13.29	3.21	0.0457
8	HOLE 2	f	h	0.50	7.04	1.39	0.1838
Subtotal 8				0.53	20.33	4.60	
9	JACKSO 3	m	h	0.10	3.78	0.01	0.8529
9	JACKSO 1	f	h	1.39	2.98	5.26	0.0168
Subtotal 9				0.66	6.76	5.26	
10	SANDLE 1	m	h	0.14	90.22	0.60	0.1881
10	SANDLE 3	f	h	-0.35	262.43	44.08	0.0000
Subtotal 10				-0.23	352.64	44.69	
11	HUMBLE 1	f	s	0.46	16.88	2.80	0.0567
12	DOBSON 3	m	h	0.04	11.77	0.00	0.8905
12	DOBSON 1	f	h	0.47	22.62	3.95	0.0240
Subtotal 12				0.33	34.39	3.95	
13	GARDIN 1	c	s	-1.03	1.83	2.16	0.1637
14	LAVECC 2	m	s	0.09	5.43	0.00	0.8393
14	LAVECC 1	f	s	0.24	4.84	0.16	0.6013
Subtotal 14				0.16	10.27	0.16	
15	LAYARD 1	m	s	-0.07	52.96	0.82	0.6223
15	LAYARD 9	f	s	-0.00	155.06	0.51	0.9954
Subtotal 15				-0.02	208.02	1.33	

 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 2
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 28-JAN-15
 Overall - unadjusted

Overall

StN	Ref	NRR	SEX	EXP	Tys	Ws	Qs	Ps	
16	LEVOIS	1	m	s	-0.03	646.64	4.93	0.4386	
16	LEVOIS	6	f	s	0.03	1627.60	1.21	0.2331	
Subtotal 16						0.01	2274.24	6.14	
18	MUSCAT	1	m	s	0.32	8.14	0.58	0.3546	
18	MUSCAT	2	f	s	0.28	5.82	0.29	0.4970	
Subtotal 18						0.31	13.96	0.88	
19	TUNSTA	1	c	t	0.28	62.37	3.04	0.0283	
20	STEENL	3	m	s	0.09	345.72	0.30	0.1091	
20	STEENL	4	f	s	0.04	314.64	0.10	0.4866	
Subtotal 20						0.06	660.35	0.40	
21	JANGHO	1	f	s	0.32	27.39	1.92	0.0922	
22	KAWACH	11	f	h	0.43	9.45	1.28	0.1912	
23	CIRUZZ	5	m	s	-0.00	8.06	0.03	0.9912	
23	CIRUZZ	6	f	s	0.39	11.59	1.32	0.1800	
Subtotal 23						0.23	19.65	1.35	
24	MCELDU	3	m	t	-0.23	29.19	2.44	0.2093	
24	MCELDU	1	f	t	0.63	16.76	5.43	0.0104	
Subtotal 24						0.08	45.95	7.88	
26	HE1	1	f	s	0.84	17.19	10.56	0.0005	
27	IRIBAR	4	m	h	0.12	268.97	1.15	0.0450	
27	IRIBAR	19	f	h	0.18	495.01	7.79	0.0000	
Subtotal 27						0.16	763.97	8.94	
28	ROSENL	1	m	s	-0.05	26.10	0.32	0.7851	
28	ROSENL	13	f	s	0.29	20.97	1.12	0.1879	
Subtotal 28						0.10	47.07	1.43	
29	PITSAV	9	c	h	0.29	23.73	1.24	0.1648	
30	ENSTRO	8	m	s	-0.06	344.13	4.85	0.2510	
30	ENSTRO	24	f	s	0.01	797.17	1.75	0.7788	
Subtotal 30						-0.01	1141.29	6.61	
31	CHEN	10	c	h	0.18	11.72	0.18	0.5326	
32	NISHTA	3	c	s	0.87	5.64	3.70	0.0395	
34	MCGHEE	5	m	h	0.24	29.42	0.97	0.1963	
34	MCGHEE	6	f	h	0.27	33.81	1.55	0.1147	
Subtotal 34						0.26	63.24	2.52	
35	QURESH	2	f	s	0.16	54.27	0.59	0.2341	
37	STRANG	22	m	h	-0.02	21.86	0.12	0.9391	
37	STRANG	14	f	h	0.26	8.82	0.37	0.4361	
Subtotal 37						0.06	30.68	0.49	
38	TEO	1	c	t	0.31	656.19	43.66	0.0000	
39	WEN	17	f	s	-0.01	37.13	0.17	0.9512	
41	HILL1	1	m	h	0.00	142.80	0.46	1.0000	
41	HILL1	3	f	h	-0.02	144.50	0.86	0.8081	
Subtotal 41						-0.01	287.30	1.32	
42	HILL2	1	m	h	0.07	83.70	0.01	0.5359	
42	HILL2	3	f	h	0.23	59.36	1.80	0.0750	
Subtotal 42						0.14	143.06	1.81	
43	HE2	1	f	t	0.45	66.96	10.27	0.0002	
44	SULO	1	m	s	0.57	11.09	2.87	0.0598	
44	SULO	3	f	s	0.05	6.26	0.00	0.9029	
Subtotal 44						0.38	17.35	2.87	
45	VOZORI	1	c	t	-0.55	238.05	89.08	0.0000	
46	DING	1	f	h	0.53	29.06	6.44	0.0044	
47	GALLO	17	c	s	0.69	6.48	2.58	0.0798	
49	JEFFER	1	c	s	0.77	5.95	3.06	0.0588	
50	PEINEM	1	c	t	0.24	22.63	0.76	0.2536	
51	CHEN2	1	c	t	0.15	75.18	0.63	0.1987	
52	HE3	1	m	t	0.55	3.82	0.93	0.2811	
52	HE3	3	f	t	0.55	3.39	0.83	0.3109	
Subtotal 52						0.55	7.21	1.76	
53	CLARK	2	m	h	0.76	8.88	4.37	0.0239	
53	CLARK	1	f	h	-0.30	35.45	4.51	0.0743	
Subtotal 53						-0.09	44.33	8.87	
54	TROMSO	1	m	h	-0.05	28.81	0.34	0.7831	
54	TROMSO	15	f	h	0.30	43.65	2.58	0.0474	
Subtotal 54						0.16	72.46	2.92	

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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), 28-JAN-15
 Overall - unadjusted

Overall

StN	Ref	NRR	SEX	EXP	TYS	Ws	Qs	Ps
55	KASTOR	1	c	t	0.99	8.04	6.94	0.0052
56	HALS2	1	m	h	0.30	3.33	0.20	0.5839
56	HALS2	3	f	h	0.12	7.75	0.03	0.7337
Subtotal 56					0.18	11.08	0.23	

Relative risks

	N	73
	NS	49
	Wt	7800.57
Het	Chi	318.54
Het	df	72
Het	P	***
Fixed	RR	1.06
	RRl	1.04
	RRu	1.08
	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), in last 10 years (t)
- 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), 28-JAN-15
 By sex - adjusted

combined

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
13	GARDIN	2	c	-	-	-	0.57	(0.19- 1.74)	
19	TUNSTA	2	c	-	-	-	1.34	(1.07- 1.67)	
29	PITSAV	9	c	-	-	-	1.33	(0.89- 1.99)	
31	CHEN	10	c	-	-	-	1.20	(0.70- 2.20)	
32	NISHTA	3	c	-	-	-	2.38	(1.04- 5.42)	
38	TEO	1	c	-	-	-	1.37	(1.27- 1.48)	
45	VOZORI	2	c	-	-	-	1.00	(0.80- 1.20)	
47	GALLO	17	c	-	-	-	1.99	(0.92- 4.29)	
49	JEFFER	2	c	-	-	-	2.41	(1.04- 5.59)	
50	PEINEM	1	c	33	379	95	1387	1.27	(0.84- 1.92)
51	CHEN2	1	c	133	675	272	1601	1.16	(0.93- 1.45)
55	KASTOR	2	c	-	-	-	-	4.33	(1.52- 12.38)
Partial Totals				166	1054	367	2988		

*prospective study

male

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
3	LEE	2	m	-	-	-	-	1.24	(0.58- 2.67)
5	SVENDS	2	m	-	-	-	-	1.61	(0.96- 2.71)
8	HOLE	3	m	-	-	-	-	1.73	(1.01- 2.96)
9	JACKSO	4	m	-	-	-	-	1.06	(0.39- 2.91)
10	SANDLE	2	m	-	-	-	-	1.31	(1.05- 1.64)
12	DOBSON	4	m	-	-	-	-	0.97	(0.50- 1.86)
14	LAVECC	2	m	9	21	55	140	1.09	(0.47- 2.53)
15	LAYARD	2	m	-	-	-	-	0.97	(0.73- 1.28)
16	LEVOIS	1	m	-	-	-	-	0.97	(0.90- 1.05)
18	MUSCAT	1	m	20	25	48	83	1.38	(0.70- 2.75)
20	STEENL	3	m	-	-	-	-	1.09	(0.98- 1.21)
23	CIRUZZ	7	m	-	-	-	-	1.18	(0.55- 2.52)
24	MCELDU	4	m	-	-	-	-	0.82	(0.55- 1.22)
27	IRIBAR	4	m	-	-	-	-	1.13	(1.00- 1.27)
28	ROSENL	2	m	-	-	-	-	0.96	(0.64- 1.44)
30	ENSTRO	16	m	-	-	-	-	0.93	(0.83- 1.04)
34	MCGHEE	1	m	-	-	-	-	1.30	(0.88- 1.93)
37	STRANG	22	m	156	370	39	91	0.98	(0.65- 1.50)
41	HILL1	2	m	-	-	-	-	1.04	(0.88- 1.23)
42	HILL2	2	m	-	-	-	-	1.18	(0.96- 1.44)
44	SULO	2	m	-	-	-	-	1.68	(0.81- 3.47)
52	HE3	2	m	-	-	-	-	2.24	(0.76- 6.59)
53	CLARK	4	m	-	-	-	-	1.98	(1.00- 3.93)
54	TROMSO	2	m	-	-	-	-	0.91	(0.61- 1.35)
56	HALS2	2	m	-	-	-	-	1.26	(0.37- 4.31)
Partial Totals				185	416	142	314		

*prospective study

female

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
1	HIRAYA	6	f	-	-	-	-	1.16	(0.94- 1.43)
2	GARLAN	5	f	-	-	-	-	2.70	(0.63- 11.58)
3	LEE	4	f	-	-	-	-	0.93	(0.53- 1.64)
4	MARTIN	1	f	-	-	-	-	2.60	(1.20- 5.70)
6	BUTLER	2	f	-	-	-	-	1.07	(0.65- 1.75)
8	HOLE	2	f	-	-	-	-	1.65	(0.79- 3.46)
9	JACKSO	2	f	-	-	-	-	3.74	(1.15- 12.19)
10	SANDLE	4	f	-	-	-	-	1.19	(1.04- 1.36)
11	HUMBLE	1	f	-	-	-	-	1.59	(0.99- 2.57)
12	DOBSON	2	f	-	-	-	-	2.46	(1.47- 4.13)
14	LAVECC	1	f	32	39	11	17	1.27	(0.52- 3.09)
15	LAYARD	10	f	-	-	-	-	0.99	(0.84- 1.16)
16	LEVOIS	6	f	-	-	-	-	1.03	(0.98- 1.08)
18	MUSCAT	2	f	28	27	18	23	1.33	(0.59- 2.99)
20	STEENL	4	f	-	-	-	-	1.04	(0.93- 1.16)
21	JANGHO	1	f	63	100	137	300	1.38	(0.95- 2.01)

 Within each study, 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), in last 10 years (t)
- 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), 28-JAN-15
 By sex - adjusted

female

StN	Ref	NRR	Number SCase	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
22	KAWACH	11	f	-	-	-	1.53	(0.81- 2.90)
23	CIRUZZ	8	f	-	-	-	1.73	(0.89- 3.36)
24	MCELDU	2	f	-	-	-	2.15	(1.18- 3.92)
26	HE1	2	f	-	-	-	1.60	(0.94- 2.90)
27	IRIBAR	19	f	-	-	-	1.20	(1.09- 1.30)
28	ROSEN1	14	f	-	-	-	1.53	(0.95- 2.44)
30	ENSTRO	32	f	-	-	-	0.99	(0.92- 1.08)
34	MCGHEE	2	f	-	-	-	1.39	(0.95- 2.04)
35	QURESH	1	f	-	-	-	1.05	(0.81- 1.38)
37	STRANG	14	f	78	11	123	1.30	(0.67- 2.51)
39	WEN	17	f	-	-	-	0.99	(0.72- 1.37)
41	HILL1	4	f	-	-	-	0.98	(0.83- 1.17)
42	HILL2	4	f	-	-	-	1.27	(0.98- 1.66)
43	HE2	8	f	-	-	-	1.69	(1.31- 2.18)
44	SULO	4	f	-	-	-	1.19	(0.25- 5.64)
46	DING	2	f	-	-	-	1.52	(1.01- 2.27)
52	HE3	4	f	-	-	-	2.10	(0.69- 6.33)
53	CLARK	3	f	-	-	-	0.94	(0.67- 1.32)
54	TROMSO	16	f	-	-	-	1.42	(1.06- 1.90)
56	HALS2	4	f	-	-	-	1.12	(0.55- 2.28)
Partial Totals				201	837	177	463	

*prospective study

combined male female Total

Relative risks

N	12	25	36	73
NS	12	25	36	73
Wt	984.63	2126.95	4141.96	7253.54
Het Chi	21.69	32.90	81.04	174.07
Het df	11	24	35	72
Het P	*	N.S.	***	***
Fixed RR	1.32	1.04	1.09	1.10
RR1	1.24	1.00	1.06	1.08
RRu	1.40	1.09	1.12	1.13
P	+++	+	+++	+++
Random RR	1.30	1.07	1.20	1.18
RR1	1.14	1.01	1.12	1.12
RRu	1.50	1.15	1.29	1.24
P	+++	+	+++	+++
Asymm P	N.S.	*	***	***
Between Chi		36.66	29.11	38.45
Between df		1	1	2
Between P		---	---	***

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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), 28-JAN-15
 By sex - unadjusted

combined

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
13	GARDIN	1	c 4	14	8	10	0.36 (0.08-	1.52)
19	TUNSTA	1	c 329	1216	99	483	1.32 (1.03-	1.69)
29	PITSAV	9	c -	-	-	-	1.33 (0.89-	1.99)
31	CHEN	10	c -	-	-	-	1.20 (0.70-	2.20)
32	NISHTA	3	c -	-	-	-	2.38 (1.04-	5.42)
38	TEO	1	c -	-	-	-	1.37 (1.27-	1.48)
45	VOZORI	1	c 293	11991	1480	34776	0.57 (0.51-	0.65)
47	GALLO	17	c -	-	-	-	1.99 (0.92-	4.29)
49	JEFFER	1	c -	-	-	-	2.17 (0.97-	4.84)
50	PEINEM	1	c 33	379	95	1387	1.27 (0.84-	1.92)
51	CHEN2	1	c 133	675	272	1601	1.16 (0.93-	1.45)
55	KASTOR	1	c 32	37	20	62	2.68 (1.34-	5.35)
Partial Totals			824	14312	1974	38319		

*prospective study

male

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
3	LEE	1	m 15	40	26	93	1.34 (0.64-	2.80)
5	SVENDS	1	m 21	286	48	959	1.47 (0.89-	2.41)
8	HOLE	3	m -	-	-	-	1.73 (1.01-	2.96)
9	JACKSO	3	m -	-	-	-	1.10 (0.40-	3.00)
10	SANDLE	1	m 122	1248	248	2914	1.15 (0.93-	1.41)
12	DOBSON	3	m 22	34	161	259	1.04 (0.59-	1.84)
14	LAVECC	2	m 9	21	55	140	1.09 (0.47-	2.53)
15	LAYARD	1	m 97	215	378	783	0.93 (0.71-	1.22)
16	LEVOIS	1	m -	-	-	-	0.97 (0.90-	1.05)
18	MUSCAT	1	m 20	25	48	83	1.38 (0.70-	2.75)
20	STEENL	3	m -	-	-	-	1.09 (0.98-	1.21)
23	CIRUZZ	5	m 15	22	141	206	1.00 (0.50-	1.99)
24	MCELDU	3	m 53	172	145	373	0.79 (0.55-	1.14)
27	IRIBAR	4	m -	-	-	-	1.13 (1.00-	1.27)
28	ROSENL	1	m 53	113	141	285	0.95 (0.65-	1.39)
30	ENSTRO	8	m -	-	-	-	0.94 (0.85-	1.05)
34	MCGHEE	5	m 74	71	285	347	1.27 (0.88-	1.82)
37	STRANG	22	m 156	370	39	91	0.98 (0.65-	1.50)
41	HILL1	1	m -	-	-	-	1.00 (0.85-	1.18)
42	HILL2	1	m -	-	-	-	1.07 (0.86-	1.32)
44	SULO	1	m -	-	-	-	1.76 (0.98-	3.18)
52	HE3	1	m 14	271	5	168	1.74 (0.64-	4.73)
53	CLARK	2	m 10	2115	76	34308	2.13 (1.11-	4.12)
54	TROMSO	1	m -	-	-	-	0.95 (0.66-	1.37)
56	HALS2	1	m -	-	-	-	1.35 (0.46-	3.94)
Partial Totals			681	5003	1796	41009		

*prospective study

female

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
1	HIRAYA	3	f 376	69645	118	21895	1.00 (0.82-	1.23)
2	GARLAN	1	f 17	492	2	203	3.51 (0.82-	15.04)
3	LEE	3	f 55	229	22	89	0.97 (0.56-	1.69)
4	MARTIN	1	f -	-	-	-	2.60 (1.20-	5.70)
6	BUTLER	1	f 20	10579	60	43052	1.36 (0.82-	2.25)
8	HOLE	2	f -	-	-	-	1.65 (0.79-	3.46)
9	JACKSO	1	f -	-	-	-	4.00 (1.35-	13.10)
10	SANDLE	3	f 551	9551	437	5322	0.70 (0.62-	0.79)
11	HUMBLE	1	f -	-	-	-	1.59 (0.99-	2.57)
12	DOBSON	1	f 43	99	117	433	1.61 (1.06-	2.43)
14	LAVECC	1	f 32	39	11	17	1.27 (0.52-	3.09)
15	LAYARD	9	f 455	961	459	969	1.00 (0.85-	1.17)
16	LEVOIS	6	f -	-	-	-	1.03 (0.98-	1.08)
18	MUSCAT	2	f 28	27	18	23	1.33 (0.59-	2.99)
20	STEENL	4	f -	-	-	-	1.04 (0.93-	1.16)
21	JANGHO	1	f 63	100	137	300	1.38 (0.95-	2.01)

 Within each study, 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), in last 10 years (t)
- 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), 28-JAN-15
 By sex - unadjusted

female			Number Exposed		Non-exposed		RR	95.00%CI	
StN	Ref	NRR	SCase	Cont	Case	Cont			
22	KAWACH	11	f	-	-	-	-	1.53	(0.81- 2.90)
23	CIRUZZ	6	f	29	25	151	193	1.48	(0.83- 2.64)
24	MCELDU	1	f	31	147	54	479	1.87	(1.16- 3.02)
26	HE1	1	f	76	95	39	113	2.32	(1.44- 3.72)
27	IRIBAR	19	f	-	-	-	-	1.20	(1.09- 1.30)
28	ROSENL	13	f	65	119	59	144	1.33	(0.87- 2.05)
30	ENSTRO	24	f	-	-	-	-	1.01	(0.94- 1.08)
34	MCGHEE	6	f	113	150	112	195	1.31	(0.94- 1.84)
35	QURESH	2	f	140	1823	79	1209	1.18	(0.90- 1.53)
37	STRANG	14	f	78	671	11	123	1.30	(0.67- 2.51)
39	WEN	17	f	-	-	-	-	0.99	(0.72- 1.37)
41	HILL1	3	f	-	-	-	-	0.98	(0.83- 1.15)
42	HILL2	3	f	-	-	-	-	1.26	(0.98- 1.63)
43	HE2	1	f	200	277	231	501	1.57	(1.23- 1.99)
44	SULO	3	f	-	-	-	-	1.05	(0.48- 2.30)
46	DING	1	f	95	65	219	254	1.70	(1.18- 2.44)
52	HE3	3	f	18	340	4	131	1.73	(0.60- 5.03)
53	CLARK	1	f	44	30877	181	94122	0.74	(0.53- 1.03)
54	TROMSO	15	f	-	-	-	-	1.35	(1.00- 1.81)
56	HALS2	3	f	-	-	-	-	1.13	(0.56- 2.29)
Partial Totals				2529	126311	2521	169767		
*prospective study									
			combined		male		female		Total
Relative risks									
			N	12	25		36		73
			NS	12	25		36		73
			Wt	1117.81	2210.85		4471.92		7800.57
			Het Chi	152.18	30.09		129.87		318.54
			Het df	11	24		35		72
			Het P	***	N.S.		***		***
			Fixed RR	1.13	1.03		1.05		1.06
			RRl	1.07	0.99		1.02		1.04
			RRu	1.20	1.08		1.09		1.08
			P	+++	N.S.		+++		+++
			Random RR	1.31	1.05		1.19		1.16
			RRl	0.97	0.99		1.09		1.09
			RRu	1.77	1.11		1.29		1.24
			P	(+)	(+)		+++		+++
			Asymm P	N.S.	*		**		**
			Between Chi		6.25		4.34		6.40
			Between df		1		1		2
			Between P		-		-		*

 Within each study, results are included (in the following order of preference) for:
 1) EXP Exposure = spouse (s), household (h), total (t)
 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
 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), 28-JAN-15
 By continent - adjusted

NAmerica			Number Exposed		Non-exposed		RR	95.00%CI	
StN	Ref	NRR	SCase	Cont	Case	Cont			
2	GARLAN	5	f	-	-	-	2.70	(0.63- 11.58)	
4	MARTIN	1	f	-	-	-	2.60	(1.20- 5.70)	
5	SVENDS	2	m	-	-	-	1.61	(0.96- 2.71)	
6	BUTLER	2	f	-	-	-	1.07	(0.65- 1.75)	
10	SANDLE	2	m	-	-	-	1.31	(1.05- 1.64)	
10	SANDLE	4	f	-	-	-	1.19	(1.04- 1.36)	
Subtotal 10							1.22	(1.09- 1.37)	
11	HUMBLE	1	f	-	-	-	1.59	(0.99- 2.57)	
15	LAYARD	2	m	-	-	-	0.97	(0.73- 1.28)	
15	LAYARD	10	f	-	-	-	0.99	(0.84- 1.16)	
Subtotal 15							0.98	(0.86- 1.13)	
16	LEVOIS	1	m	-	-	-	0.97	(0.90- 1.05)	
16	LEVOIS	6	f	-	-	-	1.03	(0.98- 1.08)	
Subtotal 16							1.01	(0.97- 1.06)	
18	MUSCAT	1	m	20	25	48	83	1.38	(0.70- 2.75)
18	MUSCAT	2	f	28	27	18	23	1.33	(0.59- 2.99)
Subtotal 18							1.36	(0.80- 2.30)	
20	STEENL	3	m	-	-	-	-	1.09	(0.98- 1.21)
20	STEENL	4	f	-	-	-	-	1.04	(0.93- 1.16)
Subtotal 20							1.07	(0.99- 1.15)	
22	KAWACH	11	f	-	-	-	-	1.53	(0.81- 2.90)
27	IRIBAR	4	m	-	-	-	-	1.13	(1.00- 1.27)
27	IRIBAR	19	f	-	-	-	-	1.20	(1.09- 1.30)
Subtotal 27							1.17	(1.09- 1.26)	
30	ENSTRO	16	m	-	-	-	-	0.93	(0.83- 1.04)
30	ENSTRO	32	f	-	-	-	-	0.99	(0.92- 1.08)
Subtotal 30							0.97	(0.91- 1.03)	
35	QURESH	1	f	-	-	-	-	1.05	(0.81- 1.38)
37	STRANG	22	m	156	370	39	91	0.98	(0.65- 1.50)
37	STRANG	14	f	78	671	11	123	1.30	(0.67- 2.51)
Subtotal 37							1.07	(0.75- 1.52)	
45	VOZORI	2	c	-	-	-	-	1.00	(0.80- 1.20)
Partial Totals			282	1093	116	320			
*prospective study									

Europe			Number Exposed		Non-exposed		RR	95.00%CI	
StN	Ref	NRR	SCase	Cont	Case	Cont			
3	LEE	2	m	-	-	-	-	1.24	(0.58- 2.67)
3	LEE	4	f	-	-	-	-	0.93	(0.53- 1.64)
Subtotal 3							1.03	(0.65- 1.62)	
8	HOLE	3	m	-	-	-	-	1.73	(1.01- 2.96)
8	HOLE	2	f	-	-	-	-	1.65	(0.79- 3.46)
Subtotal 8							1.70	(1.10- 2.63)	
13	GARDIN	2	c	-	-	-	-	0.57	(0.19- 1.74)
14	LAVECC	2	m	9	21	55	140	1.09	(0.47- 2.53)
14	LAVECC	1	f	32	39	11	17	1.27	(0.52- 3.09)
Subtotal 14							1.17	(0.64- 2.16)	
19	TUNSTA	2	c	-	-	-	-	1.34	(1.07- 1.67)
28	ROSENL	2	m	-	-	-	-	0.96	(0.64- 1.44)
28	ROSENL	14	f	-	-	-	-	1.53	(0.95- 2.44)
Subtotal 28							1.17	(0.86- 1.59)	
29	PITSAV	9	c	-	-	-	-	1.33	(0.89- 1.99)
31	CHEN	10	c	-	-	-	-	1.20	(0.70- 2.20)
44	SULO	2	m	-	-	-	-	1.68	(0.81- 3.47)
44	SULO	4	f	-	-	-	-	1.19	(0.25- 5.64)
Subtotal 44							1.58	(0.82- 3.05)	
47	GALLO	17	c	-	-	-	-	1.99	(0.92- 4.29)
49	JEFFER	2	c	-	-	-	-	2.41	(1.04- 5.59)
50	PEINEM	1	c	33	379	95	1387	1.27	(0.84- 1.92)
54	TROMSO	2	m	-	-	-	-	0.91	(0.61- 1.35)
54	TROMSO	16	f	-	-	-	-	1.42	(1.06- 1.90)
Subtotal 54							1.21	(0.96- 1.54)	
55	KASTOR	2	c	-	-	-	-	4.33	(1.52- 12.38)
56	HALS2	2	m	-	-	-	-	1.26	(0.37- 4.31)

 Within each study, 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), in last 10 years (t)
- 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), 28-JAN-15
 By continent - adjusted

Europe			Number Exposed		Non-exposed		RR	95.00%CI
StN Ref	NRR	SCase	Cont	Case	Cont			
56	HALS2 4	f	-	-	-	-	1.12 (0.55-	2.28)
Subtotal 56							1.15 (0.62-	2.13)
Partial Totals			74	439	161	1544		
*prospective study								
Asia			Number Exposed		Non-exposed		RR	95.00%CI
StN Ref	NRR	SCase	Cont	Case	Cont			
1	HIRAYA 6	f	-	-	-	-	1.16 (0.94-	1.43)
21	JANGHO 1	f	63	100	137	300	1.38 (0.95-	2.01)
26	HE1 2	f	-	-	-	-	1.60 (0.94-	2.90)
32	NISHTA 3	c	-	-	-	-	2.38 (1.04-	5.42)
34	MCGHEE 1	m	-	-	-	-	1.30 (0.88-	1.93)
34	MCGHEE 2	f	-	-	-	-	1.39 (0.95-	2.04)
Subtotal 34							1.35 (1.02-	1.77)
39	WEN 17	f	-	-	-	-	0.99 (0.72-	1.37)
43	HE2 8	f	-	-	-	-	1.69 (1.31-	2.18)
46	DING 2	f	-	-	-	-	1.52 (1.01-	2.27)
51	CHEN2 1	c	133	675	272	1601	1.16 (0.93-	1.45)
52	HE3 2	m	-	-	-	-	2.24 (0.76-	6.59)
52	HE3 4	f	-	-	-	-	2.10 (0.69-	6.33)
Subtotal 52							2.17 (1.00-	4.70)
53	CLARK 4	m	-	-	-	-	1.98 (1.00-	3.93)
53	CLARK 3	f	-	-	-	-	0.94 (0.67-	1.32)
Subtotal 53							1.09 (0.80-	1.48)
Partial Totals			196	775	409	1901		
*prospective study								
Other			Number Exposed		Non-exposed		RR	95.00%CI
StN Ref	NRR	SCase	Cont	Case	Cont			
9	JACKSO 4	m	-	-	-	-	1.06 (0.39-	2.91)
9	JACKSO 2	f	-	-	-	-	3.74 (1.15-	12.19)
Subtotal 9							1.80 (0.84-	3.87)
12	DOBSON 4	m	-	-	-	-	0.97 (0.50-	1.86)
12	DOBSON 2	f	-	-	-	-	2.46 (1.47-	4.13)
Subtotal 12							1.72 (1.15-	2.59)
23	CIRUZZ 7	m	-	-	-	-	1.18 (0.55-	2.52)
23	CIRUZZ 8	f	-	-	-	-	1.73 (0.89-	3.36)
Subtotal 23							1.47 (0.89-	2.42)
24	MCELDU 4	m	-	-	-	-	0.82 (0.55-	1.22)
24	MCELDU 2	f	-	-	-	-	2.15 (1.18-	3.92)
Subtotal 24							1.10 (0.79-	1.53)
38	TEO 1	c	-	-	-	-	1.37 (1.27-	1.48)
41	HILL1 2	m	-	-	-	-	1.04 (0.88-	1.23)
41	HILL1 4	f	-	-	-	-	0.98 (0.83-	1.17)
Subtotal 41							1.01 (0.90-	1.14)
42	HILL2 2	m	-	-	-	-	1.18 (0.96-	1.44)
42	HILL2 4	f	-	-	-	-	1.27 (0.98-	1.66)
Subtotal 42							1.21 (1.03-	1.42)
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), in last 10 years (t)
- 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), 28-JAN-15
 By continent - adjusted

	NAmerica	Europe	Asia	Other	Total
Relative risks					
N	24	22	14	13	73
NS	16	15	11	7	49
Wt	5341.92	332.49	426.67	1152.45	7253.54
Het Chi	45.24	20.34	18.94	37.12	174.07
Het df	23	21	13	12	72
Het P	**	N.S.	N.S.	***	***
Fixed RR	1.05	1.30	1.29	1.26	1.10
RRl	1.02	1.17	1.17	1.19	1.08
RRu	1.08	1.45	1.42	1.33	1.13
P	+++	+++	+++	+++	+++
Random RR	1.07	1.30	1.32	1.24	1.18
RRl	1.02	1.17	1.16	1.07	1.12
RRu	1.13	1.45	1.49	1.44	1.24
P	++	+++	+++	++	+++
Asymm P	*	N.S.	*	N.S.	***
Between Chi		14.68	16.50	30.97	52.44
Between df		1	1	1	3
Between P		+++	+++	+++	***

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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), 28-JAN-15
 By continent - unadjusted

NAmerica			Number Exposed		Non-exposed		RR	95.00%CI
StN	Ref	NRR	SCase	Cont	Case	Cont		
2	GARLAN	1	f	17	492	2	203	3.51 (0.82- 15.04)
4	MARTIN	1	f	-	-	-	-	2.60 (1.20- 5.70)
5	SVENDS	1	m	21	286	48	959	1.47 (0.89- 2.41)
6	BUTLER	1	f	20	10579	60	43052	1.36 (0.82- 2.25)
10	SANDLE	1	m	122	1248	248	2914	1.15 (0.93- 1.41)
10	SANDLE	3	f	551	9551	437	5322	0.70 (0.62- 0.79)
Subtotal 10								0.80 (0.72- 0.88)
11	HUMBLE	1	f	-	-	-	-	1.59 (0.99- 2.57)
15	LAYARD	1	m	97	215	378	783	0.93 (0.71- 1.22)
15	LAYARD	9	f	455	961	459	969	1.00 (0.85- 1.17)
Subtotal 15								0.98 (0.86- 1.13)
16	LEVOIS	1	m	-	-	-	-	0.97 (0.90- 1.05)
16	LEVOIS	6	f	-	-	-	-	1.03 (0.98- 1.08)
Subtotal 16								1.01 (0.97- 1.06)
18	MUSCAT	1	m	20	25	48	83	1.38 (0.70- 2.75)
18	MUSCAT	2	f	28	27	18	23	1.33 (0.59- 2.99)
Subtotal 18								1.36 (0.80- 2.30)
20	STEENL	3	m	-	-	-	-	1.09 (0.98- 1.21)
20	STEENL	4	f	-	-	-	-	1.04 (0.93- 1.16)
Subtotal 20								1.07 (0.99- 1.15)
22	KAWACH	11	f	-	-	-	-	1.53 (0.81- 2.90)
27	IRIBAR	4	m	-	-	-	-	1.13 (1.00- 1.27)
27	IRIBAR	19	f	-	-	-	-	1.20 (1.09- 1.30)
Subtotal 27								1.17 (1.09- 1.26)
30	ENSTRO	8	m	-	-	-	-	0.94 (0.85- 1.05)
30	ENSTRO	24	f	-	-	-	-	1.01 (0.94- 1.08)
Subtotal 30								0.99 (0.93- 1.05)
35	QURESH	2	f	140	1823	79	1209	1.18 (0.90- 1.53)
37	STRANG	22	m	156	370	39	91	0.98 (0.65- 1.50)
37	STRANG	14	f	78	671	11	123	1.30 (0.67- 2.51)
Subtotal 37								1.07 (0.75- 1.52)
45	VOZORI	1	c	293	11991	1480	34776	0.57 (0.51- 0.65)
Partial Totals				1998	38239	3307	90507	

*prospective study

Europe			Number Exposed		Non-exposed		RR	95.00%CI
StN	Ref	NRR	SCase	Cont	Case	Cont		
3	LEE	1	m	15	40	26	93	1.34 (0.64- 2.80)
3	LEE	3	f	55	229	22	89	0.97 (0.56- 1.69)
Subtotal 3								1.09 (0.70- 1.70)
8	HOLE	3	m	-	-	-	-	1.73 (1.01- 2.96)
8	HOLE	2	f	-	-	-	-	1.65 (0.79- 3.46)
Subtotal 8								1.70 (1.10- 2.63)
13	GARDIN	1	c	4	14	8	10	0.36 (0.08- 1.52)
14	LAVECC	2	m	9	21	55	140	1.09 (0.47- 2.53)
14	LAVECC	1	f	32	39	11	17	1.27 (0.52- 3.09)
Subtotal 14								1.17 (0.64- 2.16)
19	TUNSTA	1	c	329	1216	99	483	1.32 (1.03- 1.69)
28	ROSEN1	1	m	53	113	141	285	0.95 (0.65- 1.39)
28	ROSEN1	13	f	65	119	59	144	1.33 (0.87- 2.05)
Subtotal 28								1.10 (0.83- 1.47)
29	PITSAV	9	c	-	-	-	-	1.33 (0.89- 1.99)
31	CHEN	10	c	-	-	-	-	1.20 (0.70- 2.20)
44	SULO	1	m	-	-	-	-	1.76 (0.98- 3.18)
44	SULO	3	f	-	-	-	-	1.05 (0.48- 2.30)
Subtotal 44								1.46 (0.91- 2.34)
47	GALLO	17	c	-	-	-	-	1.99 (0.92- 4.29)
49	JEFFER	1	c	-	-	-	-	2.17 (0.97- 4.84)
50	PEINEM	1	c	33	379	95	1387	1.27 (0.84- 1.92)
54	TROMSO	1	m	-	-	-	-	0.95 (0.66- 1.37)
54	TROMSO	15	f	-	-	-	-	1.35 (1.00- 1.81)
Subtotal 54								1.17 (0.93- 1.48)
55	KASTOR	1	c	32	37	20	62	2.68 (1.34- 5.35)
56	HALS2	1	m	-	-	-	-	1.35 (0.46- 3.94)

 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 6
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 28-JAN-15
 By continent - unadjusted

Europe

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
56	HALS2	3	f	-	-	-	1.13	(0.56- 2.29)
Subtotal 56							1.19	(0.66- 2.15)
Partial Totals			627	2207	536	2710		

*prospective study

Asia

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
1	HIRAYA	3	f	376	69645	118	21895	1.00	(0.82- 1.23)
21	JANGHO	1	f	63	100	137	300	1.38	(0.95- 2.01)
26	HE1	1	f	76	95	39	113	2.32	(1.44- 3.72)
32	NISHTA	3	c	-	-	-	-	2.38	(1.04- 5.42)
34	MCGHEE	5	m	74	71	285	347	1.27	(0.88- 1.82)
34	MCGHEE	6	f	113	150	112	195	1.31	(0.94- 1.84)
Subtotal 34							1.29	(1.01- 1.65)	
39	WEN	17	f	-	-	-	-	0.99	(0.72- 1.37)
43	HE2	1	f	200	277	231	501	1.57	(1.23- 1.99)
46	DING	1	f	95	65	219	254	1.70	(1.18- 2.44)
51	CHEN2	1	c	133	675	272	1601	1.16	(0.93- 1.45)
52	HE3	1	m	14	271	5	168	1.74	(0.64- 4.73)
52	HE3	3	f	18	340	4	131	1.73	(0.60- 5.03)
Subtotal 52							1.73	(0.84- 3.60)	
53	CLARK	2	m	10	2115	76	34308	2.13	(1.11- 4.12)
53	CLARK	1	f	44	30877	181	94122	0.74	(0.53- 1.03)
Subtotal 53							0.92	(0.68- 1.23)	
Partial Totals			1216	104681	1679	153935			

*prospective study

Other

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
9	JACKSO	3	m	-	-	-	-	1.10	(0.40- 3.00)
9	JACKSO	1	f	-	-	-	-	4.00	(1.35- 13.10)
Subtotal 9							1.94	(0.91- 4.13)	
12	DOBSON	3	m	22	34	161	259	1.04	(0.59- 1.84)
12	DOBSON	1	f	43	99	117	433	1.61	(1.06- 2.43)
Subtotal 12							1.39	(0.99- 1.93)	
23	CIRUZZ	5	m	15	22	141	206	1.00	(0.50- 1.99)
23	CIRUZZ	6	f	29	25	151	193	1.48	(0.83- 2.64)
Subtotal 23							1.26	(0.81- 1.96)	
24	MCELDU	3	m	53	172	145	373	0.79	(0.55- 1.14)
24	MCELDU	1	f	31	147	54	479	1.87	(1.16- 3.02)
Subtotal 24							1.08	(0.81- 1.45)	
38	TEO	1	c	-	-	-	-	1.37	(1.27- 1.48)
41	HILL1	1	m	-	-	-	-	1.00	(0.85- 1.18)
41	HILL1	3	f	-	-	-	-	0.98	(0.83- 1.15)
Subtotal 41							0.99	(0.88- 1.11)	
42	HILL2	1	m	-	-	-	-	1.07	(0.86- 1.32)
42	HILL2	3	f	-	-	-	-	1.26	(0.98- 1.63)
Subtotal 42							1.15	(0.97- 1.35)	
Partial Totals			193	499	769	1943			

*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), in last 10 years (t)
- 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), 28-JAN-15
 By continent - unadjusted

	NAmerica	Europe	Asia	Other	Total
Relative risks					
N	24	22	14	13	73
NS	16	15	11	7	49
Wt	5802.63	341.03	463.62	1193.30	7800.57
Het Chi	155.90	19.78	35.20	38.34	318.54
Het df	23	21	13	12	72
Het P	***	N.S.	***	***	***
Fixed RR	1.00	1.29	1.24	1.23	1.06
RRl	0.98	1.16	1.13	1.16	1.04
RRu	1.03	1.43	1.36	1.30	1.08
P	N.S.	+++	+++	+++	+++
Random RR	1.03	1.29	1.33	1.18	1.16
RRl	0.95	1.16	1.12	1.03	1.09
RRu	1.13	1.43	1.57	1.37	1.24
P	N.S.	+++	+++	+	+++
Asymm P	N.S.	N.S.	(*)	N.S.	**
Between Chi		20.06	19.93	41.68	69.32
Between df		1	1	1	3
Between P		+++	+++	+++	***

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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), 28-JAN-15
 By publication year (grouped) - adjusted

1984-89

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
1	HIRAYA	6	f	-	-	-	1.16	(0.94- 1.43)
2	GARLAN	5	f	-	-	-	2.70	(0.63- 11.58)
3	LEE	2	m	-	-	-	1.24	(0.58- 2.67)
3	LEE	4	f	-	-	-	0.93	(0.53- 1.64)
Subtotal 3							1.03	(0.65- 1.62)
4	MARTIN	1	f	-	-	-	2.60	(1.20- 5.70)
5	SVENDS	2	m	-	-	-	1.61	(0.96- 2.71)
6	BUTLER	2	f	-	-	-	1.07	(0.65- 1.75)
8	HOLE	3	m	-	-	-	1.73	(1.01- 2.96)
8	HOLE	2	f	-	-	-	1.65	(0.79- 3.46)
Subtotal 8							1.70	(1.10- 2.63)
9	JACKSO	4	m	-	-	-	1.06	(0.39- 2.91)
9	JACKSO	2	f	-	-	-	3.74	(1.15- 12.19)
Subtotal 9							1.80	(0.84- 3.87)
10	SANDLE	2	m	-	-	-	1.31	(1.05- 1.64)
10	SANDLE	4	f	-	-	-	1.19	(1.04- 1.36)
Subtotal 10							1.22	(1.09- 1.37)
Partial Totals			0	0	0	0		

*prospective study

1990-97

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
11	HUMBLE	1	f	-	-	-	1.59	(0.99- 2.57)	
12	DOBSON	4	m	-	-	-	0.97	(0.50- 1.86)	
12	DOBSON	2	f	-	-	-	2.46	(1.47- 4.13)	
Subtotal 12							1.72	(1.15- 2.59)	
13	GARDIN	2	c	-	-	-	0.57	(0.19- 1.74)	
14	LAVECC	2	m	9	21	55	140	1.09	(0.47- 2.53)
14	LAVECC	1	f	32	39	11	17	1.27	(0.52- 3.09)
Subtotal 14							1.17	(0.64- 2.16)	
15	LAYARD	2	m	-	-	-	0.97	(0.73- 1.28)	
15	LAYARD	10	f	-	-	-	0.99	(0.84- 1.16)	
Subtotal 15							0.98	(0.86- 1.13)	
16	LEVOIS	1	m	-	-	-	0.97	(0.90- 1.05)	
16	LEVOIS	6	f	-	-	-	1.03	(0.98- 1.08)	
Subtotal 16							1.01	(0.97- 1.06)	
18	MUSCAT	1	m	20	25	48	83	1.38	(0.70- 2.75)
18	MUSCAT	2	f	28	27	18	23	1.33	(0.59- 2.99)
Subtotal 18							1.36	(0.80- 2.30)	
19	TUNSTA	2	c	-	-	-	1.34	(1.07- 1.67)	
20	STEENL	3	m	-	-	-	1.09	(0.98- 1.21)	
20	STEENL	4	f	-	-	-	1.04	(0.93- 1.16)	
Subtotal 20							1.07	(0.99- 1.15)	
21	JANGHO	1	f	63	100	137	300	1.38	(0.95- 2.01)
22	KAWACH	11	f	-	-	-	-	1.53	(0.81- 2.90)
Partial Totals			152	212	269	563			

*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), in last 10 years (t)
- 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), 28-JAN-15
 By publication year (grouped) - adjusted

1998-04

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
23	CIRUZZ	7	m	-	-	-	1.18	(0.55- 2.52)
23	CIRUZZ	8	f	-	-	-	1.73	(0.89- 3.36)
Subtotal 23							1.47	(0.89- 2.42)
24	MCELDU	4	m	-	-	-	0.82	(0.55- 1.22)
24	MCELDU	2	f	-	-	-	2.15	(1.18- 3.92)
Subtotal 24							1.10	(0.79- 1.53)
26	HE1	2	f	-	-	-	1.60	(0.94- 2.90)
27	IRIBAR	4	m	-	-	-	1.13	(1.00- 1.27)
27	IRIBAR	19	f	-	-	-	1.20	(1.09- 1.30)
Subtotal 27							1.17	(1.09- 1.26)
28	ROSENL	2	m	-	-	-	0.96	(0.64- 1.44)
28	ROSENL	14	f	-	-	-	1.53	(0.95- 2.44)
Subtotal 28							1.17	(0.86- 1.59)
29	PITSAV	9	c	-	-	-	1.33	(0.89- 1.99)
30	ENSTRO	16	m	-	-	-	0.93	(0.83- 1.04)
30	ENSTRO	32	f	-	-	-	0.99	(0.92- 1.08)
Subtotal 30							0.97	(0.91- 1.03)
31	CHEN	10	c	-	-	-	1.20	(0.70- 2.20)
32	NISHTA	3	c	-	-	-	2.38	(1.04- 5.42)
Partial Totals			0	0	0	0		

*prospective study

2005-07

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
34	MCGHEE	1	m	-	-	-	1.30	(0.88- 1.93)	
34	MCGHEE	2	f	-	-	-	1.39	(0.95- 2.04)	
Subtotal 34							1.35	(1.02- 1.77)	
35	QURESH	1	f	-	-	-	1.05	(0.81- 1.38)	
37	STRANG	22	m	156	370	39	91	0.98	(0.65- 1.50)
37	STRANG	14	f	78	671	11	123	1.30	(0.67- 2.51)
Subtotal 37							1.07	(0.75- 1.52)	
38	TEO	1	c	-	-	-	1.37	(1.27- 1.48)	
39	WEN	17	f	-	-	-	0.99	(0.72- 1.37)	
41	HILL1	2	m	-	-	-	1.04	(0.88- 1.23)	
41	HILL1	4	f	-	-	-	0.98	(0.83- 1.17)	
Subtotal 41							1.01	(0.90- 1.14)	
42	HILL2	2	m	-	-	-	1.18	(0.96- 1.44)	
42	HILL2	4	f	-	-	-	1.27	(0.98- 1.66)	
Subtotal 42							1.21	(1.03- 1.42)	
Partial Totals			234	1041	50	214			

*prospective study

2008 onwards

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
43	HE2	8	f	-	-	-	1.69	(1.31- 2.18)	
44	SULO	2	m	-	-	-	1.68	(0.81- 3.47)	
44	SULO	4	f	-	-	-	1.19	(0.25- 5.64)	
Subtotal 44							1.58	(0.82- 3.05)	
45	VOZORI	2	c	-	-	-	1.00	(0.80- 1.20)	
46	DING	2	f	-	-	-	1.52	(1.01- 2.27)	
47	GALLO	17	c	-	-	-	1.99	(0.92- 4.29)	
49	JEFFER	2	c	-	-	-	2.41	(1.04- 5.59)	
50	PEINEM	1	c	33	379	95	1387	1.27	(0.84- 1.92)
51	CHEN2	1	c	133	675	272	1601	1.16	(0.93- 1.45)
52	HE3	2	m	-	-	-	2.24	(0.76- 6.59)	
52	HE3	4	f	-	-	-	2.10	(0.69- 6.33)	
Subtotal 52							2.17	(1.00- 4.70)	
53	CLARK	4	m	-	-	-	1.98	(1.00- 3.93)	
53	CLARK	3	f	-	-	-	0.94	(0.67- 1.32)	
Subtotal 53							1.09	(0.80- 1.48)	
54	TROMSO	2	m	-	-	-	0.91	(0.61- 1.35)	
54	TROMSO	16	f	-	-	-	1.42	(1.06- 1.90)	
Subtotal 54							1.21	(0.96- 1.54)	

 Within each study, 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), in last 10 years (t)
- 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), 28-JAN-15
 By publication year (grouped) - adjusted

2008 onwards

StN	Ref	NRR	Number SCase	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
55	KASTOR	2	c	-	-	-	4.33	(1.52- 12.38)
56	HALS2	2	m	-	-	-	1.26	(0.37- 4.31)
56	HALS2	4	f	-	-	-	1.12	(0.55- 2.28)
Subtotal 56							1.15	(0.62- 2.13)
Partial Totals			166	1054	367	2988		

*prospective study

		1984-89	1990-97	1998-04	2005-07	2008 onwa	Total
Relative risks	N	13	17	14	11	18	73
	NS	9	11	9	7	13	49
	Wt	461.70	3312.74	1807.72	1245.54	425.85	7253.54
	Het Chi	13.35	29.32	35.12	23.12	30.79	174.07
	Het df	12	16	13	10	17	72
	Het P	N.S.	*	***	*	*	***
	Fixed RR	1.25	1.04	1.07	1.23	1.26	1.10
	RRl	1.14	1.00	1.03	1.16	1.15	1.08
	RRu	1.37	1.08	1.13	1.30	1.39	1.13
	P	+++	+	++	+++	+++	+++
	Random RR	1.27	1.08	1.14	1.15	1.34	1.18
	RRl	1.13	1.01	1.02	1.04	1.16	1.12
	RRu	1.41	1.16	1.27	1.28	1.56	1.24
	P	+++	+	+	++	+++	+++
	Asymm P	*	*	(*)	N.S.	*	***
	Between Chi		13.44	8.12	0.07	0.04	42.37
	Between df		1	1	1	1	4
	Between 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), in last 10 years (t)
- 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), 28-JAN-15
 By publication year (grouped) - unadjusted

1984-89

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
1	HIRAYA	3	f 376	69645	118	21895	1.00	(0.82- 1.23)
2	GARLAN	1	f 17	492	2	203	3.51	(0.82- 15.04)
3	LEE	1	m 15	40	26	93	1.34	(0.64- 2.80)
3	LEE	3	f 55	229	22	89	0.97	(0.56- 1.69)
Subtotal 3							1.09	(0.70- 1.70)
4	MARTIN	1	f -	-	-	-	2.60	(1.20- 5.70)
5	SVENDS	1	m 21	286	48	959	1.47	(0.89- 2.41)
6	BUTLER	1	f 20	10579	60	43052	1.36	(0.82- 2.25)
8	HOLE	3	m -	-	-	-	1.73	(1.01- 2.96)
8	HOLE	2	f -	-	-	-	1.65	(0.79- 3.46)
Subtotal 8							1.70	(1.10- 2.63)
9	JACKSO	3	m -	-	-	-	1.10	(0.40- 3.00)
9	JACKSO	1	f -	-	-	-	4.00	(1.35- 13.10)
Subtotal 9							1.94	(0.91- 4.13)
10	SANDLE	1	m 122	1248	248	2914	1.15	(0.93- 1.41)
10	SANDLE	3	f 551	9551	437	5322	0.70	(0.62- 0.79)
Subtotal 10							0.80	(0.72- 0.88)
Partial Totals			1177	92070	961	74527		

*prospective study

1990-97

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
11	HUMBLE	1	f -	-	-	-	1.59	(0.99- 2.57)
12	DOBSON	3	m 22	34	161	259	1.04	(0.59- 1.84)
12	DOBSON	1	f 43	99	117	433	1.61	(1.06- 2.43)
Subtotal 12							1.39	(0.99- 1.93)
13	GARDIN	1	c 4	14	8	10	0.36	(0.08- 1.52)
14	LAVECC	2	m 9	21	55	140	1.09	(0.47- 2.53)
14	LAVECC	1	f 32	39	11	17	1.27	(0.52- 3.09)
Subtotal 14							1.17	(0.64- 2.16)
15	LAYARD	1	m 97	215	378	783	0.93	(0.71- 1.22)
15	LAYARD	9	f 455	961	459	969	1.00	(0.85- 1.17)
Subtotal 15							0.98	(0.86- 1.13)
16	LEVOIS	1	m -	-	-	-	0.97	(0.90- 1.05)
16	LEVOIS	6	f -	-	-	-	1.03	(0.98- 1.08)
Subtotal 16							1.01	(0.97- 1.06)
18	MUSCAT	1	m 20	25	48	83	1.38	(0.70- 2.75)
18	MUSCAT	2	f 28	27	18	23	1.33	(0.59- 2.99)
Subtotal 18							1.36	(0.80- 2.30)
19	TUNSTA	1	c 329	1216	99	483	1.32	(1.03- 1.69)
20	STEENL	3	m -	-	-	-	1.09	(0.98- 1.21)
20	STEENL	4	f -	-	-	-	1.04	(0.93- 1.16)
Subtotal 20							1.07	(0.99- 1.15)
21	JANGHO	1	f 63	100	137	300	1.38	(0.95- 2.01)
22	KAWACH	11	f -	-	-	-	1.53	(0.81- 2.90)
Partial Totals			1102	2751	1491	3500		

*prospective study

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- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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), 28-JAN-15
 By publication year (grouped) - unadjusted

1998-04

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
23	CIRUZZ	5	m	15	22	141	206	1.00 (0.50- 1.99)
23	CIRUZZ	6	f	29	25	151	193	1.48 (0.83- 2.64)
Subtotal 23								1.26 (0.81- 1.96)
24	MCELDU	3	m	53	172	145	373	0.79 (0.55- 1.14)
24	MCELDU	1	f	31	147	54	479	1.87 (1.16- 3.02)
Subtotal 24								1.08 (0.81- 1.45)
26	HE1	1	f	76	95	39	113	2.32 (1.44- 3.72)
27	IRIBAR	4	m	-	-	-	-	1.13 (1.00- 1.27)
27	IRIBAR	19	f	-	-	-	-	1.20 (1.09- 1.30)
Subtotal 27								1.17 (1.09- 1.26)
28	ROSENL	1	m	53	113	141	285	0.95 (0.65- 1.39)
28	ROSENL	13	f	65	119	59	144	1.33 (0.87- 2.05)
Subtotal 28								1.10 (0.83- 1.47)
29	PITSAV	9	c	-	-	-	-	1.33 (0.89- 1.99)
30	ENSTRO	8	m	-	-	-	-	0.94 (0.85- 1.05)
30	ENSTRO	24	f	-	-	-	-	1.01 (0.94- 1.08)
Subtotal 30								0.99 (0.93- 1.05)
31	CHEN	10	c	-	-	-	-	1.20 (0.70- 2.20)
32	NISHTA	3	c	-	-	-	-	2.38 (1.04- 5.42)
Partial Totals				322	693	730	1793	

*prospective study

2005-07

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
34	MCGHEE	5	m	74	71	285	347	1.27 (0.88- 1.82)
34	MCGHEE	6	f	113	150	112	195	1.31 (0.94- 1.84)
Subtotal 34								1.29 (1.01- 1.65)
35	QURESH	2	f	140	1823	79	1209	1.18 (0.90- 1.53)
37	STRANG	22	m	156	370	39	91	0.98 (0.65- 1.50)
37	STRANG	14	f	78	671	11	123	1.30 (0.67- 2.51)
Subtotal 37								1.07 (0.75- 1.52)
38	TEO	1	c	-	-	-	-	1.37 (1.27- 1.48)
39	WEN	17	f	-	-	-	-	0.99 (0.72- 1.37)
41	HILL1	1	m	-	-	-	-	1.00 (0.85- 1.18)
41	HILL1	3	f	-	-	-	-	0.98 (0.83- 1.15)
Subtotal 41								0.99 (0.88- 1.11)
42	HILL2	1	m	-	-	-	-	1.07 (0.86- 1.32)
42	HILL2	3	f	-	-	-	-	1.26 (0.98- 1.63)
Subtotal 42								1.15 (0.97- 1.35)
Partial Totals				561	3085	526	1965	

*prospective study

2008 onwards

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
43	HE2	1	f	200	277	231	501	1.57 (1.23- 1.99)
44	SULO	1	m	-	-	-	-	1.76 (0.98- 3.18)
44	SULO	3	f	-	-	-	-	1.05 (0.48- 2.30)
Subtotal 44								1.46 (0.91- 2.34)
45	VOZORI	1	c	293	11991	1480	34776	0.57 (0.51- 0.65)
46	DING	1	f	95	65	219	254	1.70 (1.18- 2.44)
47	GALLO	17	c	-	-	-	-	1.99 (0.92- 4.29)
49	JEFFER	1	c	-	-	-	-	2.17 (0.97- 4.84)
50	PEINEM	1	c	33	379	95	1387	1.27 (0.84- 1.92)
51	CHEN2	1	c	133	675	272	1601	1.16 (0.93- 1.45)
52	HE3	1	m	14	271	5	168	1.74 (0.64- 4.73)
52	HE3	3	f	18	340	4	131	1.73 (0.60- 5.03)
Subtotal 52								1.73 (0.84- 3.60)
53	CLARK	2	m	10	2115	76	34308	2.13 (1.11- 4.12)
53	CLARK	1	f	44	30877	181	94122	0.74 (0.53- 1.03)
Subtotal 53								0.92 (0.68- 1.23)
54	TROMSO	1	m	-	-	-	-	0.95 (0.66- 1.37)
54	TROMSO	15	f	-	-	-	-	1.35 (1.00- 1.81)
Subtotal 54								1.17 (0.93- 1.48)

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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 8
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 28-JAN-15
 By publication year (grouped) - unadjusted

2008 onwards

StN	Ref	NRR	SCase	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
55	KASTOR	1	c	32	37	20	62	2.68 (1.34- 5.35)
56	HALS2	1	m	-	-	-	-	1.35 (0.46- 3.94)
56	HALS2	3	f	-	-	-	-	1.13 (0.56- 2.29)
Subtotal 56								1.19 (0.66- 2.15)
Partial Totals			872	47027	2583	167310		

*prospective study

		1984-89	1990-97	1998-04	2005-07	2008 onwa	Total
Relative risks	N	13	17	14	11	18	73
	NS	9	11	9	7	13	49
	Wt	528.57	3319.16	2076.21	1271.88	604.76	7800.57
	Het Chi	55.22	22.64	41.37	25.86	128.92	318.54
	Het df	12	16	13	10	17	72
	Het P	***	N.S.	***	**	***	***
	Fixed RR	0.92	1.04	1.08	1.22	0.95	1.06
	RRl	0.84	1.00	1.03	1.15	0.87	1.04
	RRu	1.00	1.07	1.12	1.29	1.03	1.08
	P	(-)	+	+++	+++	N.S.	+++
	Random RR	1.30	1.06	1.15	1.14	1.34	1.16
	RRl	1.01	1.00	1.03	1.02	1.03	1.09
	RRu	1.66	1.12	1.28	1.28	1.74	1.24
	P	+	+	+	+	+	+++
	Asymm P	***	(*)	N.S.	N.S.	**	**
	Between Chi		6.51	10.26	29.18	0.24	44.52
	Between df		1	1	1	1	4
	Between P		+	++	+++	N.S.	***

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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), 28-JAN-15
 By number of heart disease cases (grouped) - adjusted

1-99

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
2	GARLAN	5	f	-	-	-	2.70	(0.63- 11.58)
4	MARTIN	1	f	-	-	-	2.60	(1.20- 5.70)
5	SVENDS	2	m	-	-	-	1.61	(0.96- 2.71)
6	BUTLER	2	f	-	-	-	1.07	(0.65- 1.75)
11	HUMBLE	1	f	-	-	-	1.59	(0.99- 2.57)
13	GARDIN	2	c	-	-	-	0.57	(0.19- 1.74)
32	NISHTA	3	c	-	-	-	2.38	(1.04- 5.42)
49	JEFFER	2	c	-	-	-	2.41	(1.04- 5.59)
52	HE3	2	m	-	-	-	2.24	(0.76- 6.59)
52	HE3	4	f	-	-	-	2.10	(0.69- 6.33)
Subtotal 52							2.17	(1.00- 4.70)
55	KASTOR	2	c	-	-	-	4.33	(1.52- 12.38)
56	HALS2	2	m	-	-	-	1.26	(0.37- 4.31)
56	HALS2	4	f	-	-	-	1.12	(0.55- 2.28)
Subtotal 56							1.15	(0.62- 2.13)
Partial Totals			0	0	0	0		

*prospective study

100-199

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
3	LEE	2	m	-	-	-	1.24	(0.58- 2.67)	
3	LEE	4	f	-	-	-	0.93	(0.53- 1.64)	
Subtotal 3							1.03	(0.65- 1.62)	
8	HOLE	3	m	-	-	-	1.73	(1.01- 2.96)	
8	HOLE	2	f	-	-	-	1.65	(0.79- 3.46)	
Subtotal 8							1.70	(1.10- 2.63)	
14	LAVECC	2	m	9	21	55	140	1.09	(0.47- 2.53)
14	LAVECC	1	f	32	39	11	17	1.27	(0.52- 3.09)
Subtotal 14							1.17	(0.64- 2.16)	
18	MUSCAT	1	m	20	25	48	83	1.38	(0.70- 2.75)
18	MUSCAT	2	f	28	27	18	23	1.33	(0.59- 2.99)
Subtotal 18							1.36	(0.80- 2.30)	
22	KAWACH	11	f	-	-	-	-	1.53	(0.81- 2.90)
26	HE1	2	f	-	-	-	-	1.60	(0.94- 2.90)
44	SULO	2	m	-	-	-	-	1.68	(0.81- 3.47)
44	SULO	4	f	-	-	-	-	1.19	(0.25- 5.64)
Subtotal 44								1.58	(0.82- 3.05)
50	PEINEM	1	c	33	379	95	1387	1.27	(0.84- 1.92)
Partial Totals			122	491	227	1650			

*prospective study

200-999

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
1	HIRAYA	6	f	-	-	-	-	1.16	(0.94- 1.43)
9	JACKSO	4	m	-	-	-	-	1.06	(0.39- 2.91)
9	JACKSO	2	f	-	-	-	-	3.74	(1.15- 12.19)
Subtotal 9								1.80	(0.84- 3.87)
12	DOBSON	4	m	-	-	-	-	0.97	(0.50- 1.86)
12	DOBSON	2	f	-	-	-	-	2.46	(1.47- 4.13)
Subtotal 12								1.72	(1.15- 2.59)
19	TUNSTA	2	c	-	-	-	-	1.34	(1.07- 1.67)
21	JANGHO	1	f	63	100	137	300	1.38	(0.95- 2.01)
23	CIRUZZ	7	m	-	-	-	-	1.18	(0.55- 2.52)
23	CIRUZZ	8	f	-	-	-	-	1.73	(0.89- 3.36)
Subtotal 23								1.47	(0.89- 2.42)
24	MCELDU	4	m	-	-	-	-	0.82	(0.55- 1.22)
24	MCELDU	2	f	-	-	-	-	2.15	(1.18- 3.92)
Subtotal 24								1.10	(0.79- 1.53)
28	ROSENL	2	m	-	-	-	-	0.96	(0.64- 1.44)
28	ROSENL	14	f	-	-	-	-	1.53	(0.95- 2.44)
Subtotal 28								1.17	(0.86- 1.59)
29	PITSAV	9	c	-	-	-	-	1.33	(0.89- 1.99)
31	CHEN	10	c	-	-	-	-	1.20	(0.70- 2.20)

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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 9
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 28-JAN-15
 By number of heart disease cases (grouped) - adjusted

200-999

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
34	MCGHEE	1	m	-	-	-	1.30	(0.88- 1.93)
34	MCGHEE	2	f	-	-	-	1.39	(0.95- 2.04)
Subtotal 34							1.35	(1.02- 1.77)
35	QURESH	1	f	-	-	-	1.05	(0.81- 1.38)
37	STRANG	22	m	156	370	39	91	0.98 (0.65- 1.50)
37	STRANG	14	f	78	671	11	123	1.30 (0.67- 2.51)
Subtotal 37							1.07	(0.75- 1.52)
39	WEN	17	f	-	-	-	0.99	(0.72- 1.37)
43	HE2	8	f	-	-	-	1.69	(1.31- 2.18)
46	DING	2	f	-	-	-	1.52	(1.01- 2.27)
47	GALLO	17	c	-	-	-	1.99	(0.92- 4.29)
51	CHEN2	1	c	133	675	272	1601	1.16 (0.93- 1.45)
53	CLARK	4	m	-	-	-	1.98	(1.00- 3.93)
53	CLARK	3	f	-	-	-	0.94	(0.67- 1.32)
Subtotal 53							1.09	(0.80- 1.48)
54	TROMSO	2	m	-	-	-	0.91	(0.61- 1.35)
54	TROMSO	16	f	-	-	-	1.42	(1.06- 1.90)
Subtotal 54							1.21	(0.96- 1.54)
Partial Totals			430	1816	459	2115		

*prospective study

1000+

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
10	SANDLE	2	m	-	-	-	1.31	(1.05- 1.64)
10	SANDLE	4	f	-	-	-	1.19	(1.04- 1.36)
Subtotal 10							1.22	(1.09- 1.37)
15	LAYARD	2	m	-	-	-	0.97	(0.73- 1.28)
15	LAYARD	10	f	-	-	-	0.99	(0.84- 1.16)
Subtotal 15							0.98	(0.86- 1.13)
16	LEVOIS	1	m	-	-	-	0.97	(0.90- 1.05)
16	LEVOIS	6	f	-	-	-	1.03	(0.98- 1.08)
Subtotal 16							1.01	(0.97- 1.06)
20	STEENL	3	m	-	-	-	1.09	(0.98- 1.21)
20	STEENL	4	f	-	-	-	1.04	(0.93- 1.16)
Subtotal 20							1.07	(0.99- 1.15)
27	IRIBAR	4	m	-	-	-	1.13	(1.00- 1.27)
27	IRIBAR	19	f	-	-	-	1.20	(1.09- 1.30)
Subtotal 27							1.17	(1.09- 1.26)
30	ENSTRO	16	m	-	-	-	0.93	(0.83- 1.04)
30	ENSTRO	32	f	-	-	-	0.99	(0.92- 1.08)
Subtotal 30							0.97	(0.91- 1.03)
38	TEO	1	c	-	-	-	1.37	(1.27- 1.48)
41	HILL1	2	m	-	-	-	1.04	(0.88- 1.23)
41	HILL1	4	f	-	-	-	0.98	(0.83- 1.17)
Subtotal 41							1.01	(0.90- 1.14)
42	HILL2	2	m	-	-	-	1.18	(0.96- 1.44)
42	HILL2	4	f	-	-	-	1.27	(0.98- 1.66)
Subtotal 42							1.21	(1.03- 1.42)
45	VOZORI	2	c	-	-	-	1.00	(0.80- 1.20)
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), in last 10 years (t)
- 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), 28-JAN-15
 By number of heart disease cases (grouped) - adjusted

	1-99	100-199	200-999	1000+	Total
Relative risks					
N	13	13	29	18	73
NS	11	8	20	10	49
Wt	89.23	116.23	796.96	6251.12	7253.54
Het Chi	14.83	4.02	43.55	76.70	174.07
Het df	12	12	28	17	72
Het P	N.S.	N.S.	*	***	***
Fixed RR	1.62	1.37	1.25	1.08	1.10
RRl	1.32	1.14	1.17	1.05	1.08
RRu	1.99	1.64	1.34	1.10	1.13
P	+++	+++	+++	+++	+++
Random RR	1.66	1.37	1.26	1.08	1.18
RRl	1.30	1.14	1.15	1.02	1.12
RRu	2.11	1.64	1.39	1.15	1.24
P	+++	+++	+++	++	+++
Asymm P	N.S.	N.S.	N.S.	N.S.	***
Between Chi		1.43	5.33	14.67	34.97
Between df		1	1	1	3
Between P		N.S.	-	---	***

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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), 28-JAN-15
 By study type - adjusted

case-control			Number Exposed		Non-exposed		RR	95.00%CI
StN	Ref	NRR	SCase	Cont	Case	Cont		
3	LEE	2	m	-	-	-	-	1.24 (0.58- 2.67)
3	LEE	4	f	-	-	-	-	0.93 (0.53- 1.64)
Subtotal 3								1.03 (0.65- 1.62)
9	JACKSO	4	m	-	-	-	-	1.06 (0.39- 2.91)
9	JACKSO	2	f	-	-	-	-	3.74 (1.15- 12.19)
Subtotal 9								1.80 (0.84- 3.87)
12	DOBSON	4	m	-	-	-	-	0.97 (0.50- 1.86)
12	DOBSON	2	f	-	-	-	-	2.46 (1.47- 4.13)
Subtotal 12								1.72 (1.15- 2.59)
13	GARDIN	2	c	-	-	-	-	0.57 (0.19- 1.74)
14	LAVECC	2	m	9	21	55	140	1.09 (0.47- 2.53)
14	LAVECC	1	f	32	39	11	17	1.27 (0.52- 3.09)
Subtotal 14								1.17 (0.64- 2.16)
15	LAYARD	2	m	-	-	-	-	0.97 (0.73- 1.28)
15	LAYARD	10	f	-	-	-	-	0.99 (0.84- 1.16)
Subtotal 15								0.98 (0.86- 1.13)
18	MUSCAT	1	m	20	25	48	83	1.38 (0.70- 2.75)
18	MUSCAT	2	f	28	27	18	23	1.33 (0.59- 2.99)
Subtotal 18								1.36 (0.80- 2.30)
21	JANGHO	1	f	63	100	137	300	1.38 (0.95- 2.01)
23	CIRUZZ	7	m	-	-	-	-	1.18 (0.55- 2.52)
23	CIRUZZ	8	f	-	-	-	-	1.73 (0.89- 3.36)
Subtotal 23								1.47 (0.89- 2.42)
24	MCELDU	4	m	-	-	-	-	0.82 (0.55- 1.22)
24	MCELDU	2	f	-	-	-	-	2.15 (1.18- 3.92)
Subtotal 24								1.10 (0.79- 1.53)
26	HE1	2	f	-	-	-	-	1.60 (0.94- 2.90)
28	ROSEN1	2	m	-	-	-	-	0.96 (0.64- 1.44)
28	ROSEN1	14	f	-	-	-	-	1.53 (0.95- 2.44)
Subtotal 28								1.17 (0.86- 1.59)
29	PITSAV	9	c	-	-	-	-	1.33 (0.89- 1.99)
32	NISHTA	3	c	-	-	-	-	2.38 (1.04- 5.42)
34	MCGHEE	1	m	-	-	-	-	1.30 (0.88- 1.93)
34	MCGHEE	2	f	-	-	-	-	1.39 (0.95- 2.04)
Subtotal 34								1.35 (1.02- 1.77)
37	STRANG	22	m	156	370	39	91	0.98 (0.65- 1.50)
37	STRANG	14	f	78	671	11	123	1.30 (0.67- 2.51)
Subtotal 37								1.07 (0.75- 1.52)
38	TEO	1	c	-	-	-	-	1.37 (1.27- 1.48)
44	SULO	2	m	-	-	-	-	1.68 (0.81- 3.47)
44	SULO	4	f	-	-	-	-	1.19 (0.25- 5.64)
Subtotal 44								1.58 (0.82- 3.05)
46	DING	2	f	-	-	-	-	1.52 (1.01- 2.27)
55	KASTOR	2	c	-	-	-	-	4.33 (1.52- 12.38)
Partial Totals				386	1253	319	777	

*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), in last 10 years (t)
- 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), 28-JAN-15
 By study type - adjusted

prospective

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
1	HIRAYA	6	f	-	-	-	1.16	(0.94- 1.43)
2	GARLAN	5	f	-	-	-	2.70	(0.63- 11.58)
5	SVENDS	2	m	-	-	-	1.61	(0.96- 2.71)
6	BUTLER	2	f	-	-	-	1.07	(0.65- 1.75)
8	HOLE	3	m	-	-	-	1.73	(1.01- 2.96)
8	HOLE	2	f	-	-	-	1.65	(0.79- 3.46)
Subtotal 8							1.70	(1.10- 2.63)
10	SANDLE	2	m	-	-	-	1.31	(1.05- 1.64)
10	SANDLE	4	f	-	-	-	1.19	(1.04- 1.36)
Subtotal 10							1.22	(1.09- 1.37)
11	HUMBLE	1	f	-	-	-	1.59	(0.99- 2.57)
16	LEVOIS	1	m	-	-	-	0.97	(0.90- 1.05)
16	LEVOIS	6	f	-	-	-	1.03	(0.98- 1.08)
Subtotal 16							1.01	(0.97- 1.06)
20	STEENL	3	m	-	-	-	1.09	(0.98- 1.21)
20	STEENL	4	f	-	-	-	1.04	(0.93- 1.16)
Subtotal 20							1.07	(0.99- 1.15)
22	KAWACH	11	f	-	-	-	1.53	(0.81- 2.90)
30	ENSTRO	16	m	-	-	-	0.93	(0.83- 1.04)
30	ENSTRO	32	f	-	-	-	0.99	(0.92- 1.08)
Subtotal 30							0.97	(0.91- 1.03)
35	QURESH	1	f	-	-	-	1.05	(0.81- 1.38)
39	WEN	17	f	-	-	-	0.99	(0.72- 1.37)
41	HILL1	2	m	-	-	-	1.04	(0.88- 1.23)
41	HILL1	4	f	-	-	-	0.98	(0.83- 1.17)
Subtotal 41							1.01	(0.90- 1.14)
42	HILL2	2	m	-	-	-	1.18	(0.96- 1.44)
42	HILL2	4	f	-	-	-	1.27	(0.98- 1.66)
Subtotal 42							1.21	(1.03- 1.42)
47	GALLO	17	c	-	-	-	1.99	(0.92- 4.29)
49	JEFFER	2	c	-	-	-	2.41	(1.04- 5.59)
52	HE3	2	m	-	-	-	2.24	(0.76- 6.59)
52	HE3	4	f	-	-	-	2.10	(0.69- 6.33)
Subtotal 52							2.17	(1.00- 4.70)
53	CLARK	4	m	-	-	-	1.98	(1.00- 3.93)
53	CLARK	3	f	-	-	-	0.94	(0.67- 1.32)
Subtotal 53							1.09	(0.80- 1.48)
54	TROMSO	2	m	-	-	-	0.91	(0.61- 1.35)
54	TROMSO	16	f	-	-	-	1.42	(1.06- 1.90)
Subtotal 54							1.21	(0.96- 1.54)
56	HALS2	2	m	-	-	-	1.26	(0.37- 4.31)
56	HALS2	4	f	-	-	-	1.12	(0.55- 2.28)
Subtotal 56							1.15	(0.62- 2.13)
Partial Totals			0	0	0	0		

*prospective study

cross-sectional

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
4	MARTIN	1	f	-	-	-	2.60	(1.20- 5.70)	
19	TUNSTA	2	c	-	-	-	1.34	(1.07- 1.67)	
27	IRIBAR	4	m	-	-	-	1.13	(1.00- 1.27)	
27	IRIBAR	19	f	-	-	-	1.20	(1.09- 1.30)	
Subtotal 27							1.17	(1.09- 1.26)	
31	CHEN	10	c	-	-	-	1.20	(0.70- 2.20)	
43	HE2	8	f	-	-	-	1.69	(1.31- 2.18)	
45	VOZORI	2	c	-	-	-	1.00	(0.80- 1.20)	
50	PEINEM	1	c	33	379	95	1387	1.27	(0.84- 1.92)
51	CHEN2	1	c	133	675	272	1601	1.16	(0.93- 1.45)
Partial Totals			166	1054	367	2988			

*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), in last 10 years (t)
- 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), 28-JAN-15
 By study type - adjusted

	case-cont	prospecti	cross-sec	Total
Relative risks				
N	32	32	9	73
NS	20	21	8	49
Wt	1205.65	4937.81	1110.07	7253.54
Het Chi	52.18	55.02	15.91	174.07
Het df	31	31	8	72
Het P	*	**	*	***
Fixed RR	1.29	1.04	1.20	1.10
RRl	1.21	1.02	1.13	1.08
RRu	1.36	1.07	1.27	1.13
P	+++	++	+++	+++
Random RR	1.28	1.09	1.23	1.18
RRl	1.15	1.04	1.11	1.12
RRu	1.42	1.15	1.36	1.24
P	+++	+++	+++	+++
Asymm P	N.S.	***	N.S.	***
Between Chi		41.97	2.79	50.96
Between df		1	1	2
Between P		---	(-)	***

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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), 28-JAN-15
 By total number of confounders considered in the study (grouped) - adjusted

0-2

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
1	HIRAYA	6	f	-	-	-	-	1.16 (0.94- 1.43)
3	LEE	2	m	-	-	-	-	1.24 (0.58- 2.67)
3	LEE	4	f	-	-	-	-	0.93 (0.53- 1.64)
Subtotal 3								
6	BUTLER	2	f	-	-	-	-	1.07 (0.65- 1.75)
13	GARDIN	2	c	-	-	-	-	0.57 (0.19- 1.74)
15	LAYARD	2	m	-	-	-	-	0.97 (0.73- 1.28)
15	LAYARD	10	f	-	-	-	-	0.99 (0.84- 1.16)
Subtotal 15								
16	LEVOIS	1	m	-	-	-	-	0.97 (0.90- 1.05)
16	LEVOIS	6	f	-	-	-	-	1.03 (0.98- 1.08)
Subtotal 16								
21	JANGHO	1	f	63	100	137	300	1.38 (0.95- 2.01)
32	NISHTA	3	c	-	-	-	-	2.38 (1.04- 5.42)
34	MCGHEE	1	m	-	-	-	-	1.30 (0.88- 1.93)
34	MCGHEE	2	f	-	-	-	-	1.39 (0.95- 2.04)
Subtotal 34								
50	PEINEM	1	c	33	379	95	1387	1.27 (0.84- 1.92)
51	CHEN2	1	c	133	675	272	1601	1.16 (0.93- 1.45)
Partial Totals				229	1154	504	3288	

*prospective study

3-4

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
10	SANDLE	2	m	-	-	-	-	1.31 (1.05- 1.64)
10	SANDLE	4	f	-	-	-	-	1.19 (1.04- 1.36)
Subtotal 10								
11	HUMBLE	1	f	-	-	-	-	1.59 (0.99- 2.57)
12	DOBSON	4	m	-	-	-	-	0.97 (0.50- 1.86)
12	DOBSON	2	f	-	-	-	-	2.46 (1.47- 4.13)
Subtotal 12								
18	MUSCAT	1	m	20	25	48	83	1.38 (0.70- 2.75)
18	MUSCAT	2	f	28	27	18	23	1.33 (0.59- 2.99)
Subtotal 18								
19	TUNSTA	2	c	-	-	-	-	1.34 (1.07- 1.67)
24	MCELDU	4	m	-	-	-	-	0.82 (0.55- 1.22)
24	MCELDU	2	f	-	-	-	-	2.15 (1.18- 3.92)
Subtotal 24								
Partial Totals				48	52	66	106	

*prospective study

5+

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
2	GARLAN	5	f	-	-	-	-	2.70 (0.63- 11.58)
4	MARTIN	1	f	-	-	-	-	2.60 (1.20- 5.70)
5	SVENDS	2	m	-	-	-	-	1.61 (0.96- 2.71)
8	HOLE	3	m	-	-	-	-	1.73 (1.01- 2.96)
8	HOLE	2	f	-	-	-	-	1.65 (0.79- 3.46)
Subtotal 8								
9	JACKSO	4	m	-	-	-	-	1.70 (1.10- 2.63)
9	JACKSO	2	f	-	-	-	-	1.06 (0.39- 2.91)
Subtotal 9								
14	LAVECC	2	m	9	21	55	140	3.74 (1.15- 12.19)
14	LAVECC	1	f	32	39	11	17	1.80 (0.84- 3.87)
Subtotal 14								
20	STEENL	3	m	-	-	-	-	1.09 (0.47- 2.53)
20	STEENL	4	f	-	-	-	-	1.06 (0.39- 2.91)
Subtotal 20								
22	KAWACH	11	f	-	-	-	-	3.74 (1.15- 12.19)
23	CIRUZZ	7	m	-	-	-	-	1.80 (0.84- 3.87)
23	CIRUZZ	8	f	-	-	-	-	1.09 (0.47- 2.53)
Subtotal 23								
26	HE1	2	f	-	-	-	-	1.17 (0.64- 2.16)

 Within each study, 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), in last 10 years (t)
- 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), 28-JAN-15
 By total number of confounders considered in the study (grouped) - adjusted

5+		Number Exposed		Non-exposed		RR	95.00%CI
StN	Ref NRR	SCase	Cont	Case	Cont		
27	IRIBAR 4	m	-	-	-	1.13	(1.00- 1.27)
27	IRIBAR 19	f	-	-	-	1.20	(1.09- 1.30)
Subtotal 27						1.17	(1.09- 1.26)
28	ROSENL 2	m	-	-	-	0.96	(0.64- 1.44)
28	ROSENL 14	f	-	-	-	1.53	(0.95- 2.44)
Subtotal 28						1.17	(0.86- 1.59)
29	PITSAV 9	c	-	-	-	1.33	(0.89- 1.99)
30	ENSTRO 16	m	-	-	-	0.93	(0.83- 1.04)
30	ENSTRO 32	f	-	-	-	0.99	(0.92- 1.08)
Subtotal 30						0.97	(0.91- 1.03)
31	CHEN 10	c	-	-	-	1.20	(0.70- 2.20)
35	QURESH 1	f	-	-	-	1.05	(0.81- 1.38)
37	STRANG 22	m	156	370	39	91	0.98 (0.65- 1.50)
37	STRANG 14	f	78	671	11	123	1.30 (0.67- 2.51)
Subtotal 37						1.07	(0.75- 1.52)
38	TEO 1	c	-	-	-	1.37	(1.27- 1.48)
39	WEN 17	f	-	-	-	0.99	(0.72- 1.37)
41	HILL1 2	m	-	-	-	1.04	(0.88- 1.23)
41	HILL1 4	f	-	-	-	0.98	(0.83- 1.17)
Subtotal 41						1.01	(0.90- 1.14)
42	HILL2 2	m	-	-	-	1.18	(0.96- 1.44)
42	HILL2 4	f	-	-	-	1.27	(0.98- 1.66)
Subtotal 42						1.21	(1.03- 1.42)
43	HE2 8	f	-	-	-	1.69	(1.31- 2.18)
44	SULO 2	m	-	-	-	1.68	(0.81- 3.47)
44	SULO 4	f	-	-	-	1.19	(0.25- 5.64)
Subtotal 44						1.58	(0.82- 3.05)
45	VOZORI 2	c	-	-	-	1.00	(0.80- 1.20)
46	DING 2	f	-	-	-	1.52	(1.01- 2.27)
47	GALLO 17	c	-	-	-	1.99	(0.92- 4.29)
49	JEFFER 2	c	-	-	-	2.41	(1.04- 5.59)
52	HE3 2	m	-	-	-	2.24	(0.76- 6.59)
52	HE3 4	f	-	-	-	2.10	(0.69- 6.33)
Subtotal 52						2.17	(1.00- 4.70)
53	CLARK 4	m	-	-	-	1.98	(1.00- 3.93)
53	CLARK 3	f	-	-	-	0.94	(0.67- 1.32)
Subtotal 53						1.09	(0.80- 1.48)
54	TROMSO 2	m	-	-	-	0.91	(0.61- 1.35)
54	TROMSO 16	f	-	-	-	1.42	(1.06- 1.90)
Subtotal 54						1.21	(0.96- 1.54)
55	KASTOR 2	c	-	-	-	4.33	(1.52- 12.38)
56	HALS2 2	m	-	-	-	1.26	(0.37- 4.31)
56	HALS2 4	f	-	-	-	1.12	(0.55- 2.28)
Subtotal 56						1.15	(0.62- 2.13)
Partial Totals			275	1101	116	371	

*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), in last 10 years (t)
- 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), 28-JAN-15
 By total number of confounders considered in the study (grouped) - adjusted

		0-2	3-4	5+	Total
Relative risks					
	N	15	10	48	73
	NS	11	6	32	49
	Wt	2777.24	457.35	4018.94	7253.54
	Het Chi	17.51	16.65	113.94	174.07
	Het df	14	9	47	72
	Het P	N.S.	(*)	***	***
Fixed	RR	1.03	1.27	1.14	1.10
	RRl	0.99	1.16	1.10	1.08
	RRu	1.07	1.39	1.18	1.13
	P	N.S.	+++	+++	+++
Random	RR	1.05	1.32	1.19	1.18
	RRl	0.99	1.13	1.12	1.12
	RRu	1.12	1.55	1.28	1.24
	P	N.S.	+++	+++	+++
Asymm	P	(*)	N.S.	**	***
Between	Chi		16.97	16.51	25.97
Between	df		1	1	2
Between	P		+++	+++	***

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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), 28-JAN-15
 By any study results available on dose-response or not - adjusted

none			Number Exposed		Non-exposed		RR	95.00%CI	
StN	Ref	NRR	SCase	Cont	Case	Cont			
2	GARLAN	5	f	-	-	-	2.70	(0.63- 11.58)	
4	MARTIN	1	f	-	-	-	2.60	(1.20- 5.70)	
6	BUTLER	2	f	-	-	-	1.07	(0.65- 1.75)	
10	SANDLE	2	m	-	-	-	1.31	(1.05- 1.64)	
10	SANDLE	4	f	-	-	-	1.19	(1.04- 1.36)	
Subtotal 10							1.22	(1.09- 1.37)	
11	HUMBLE	1	f	-	-	-	1.59	(0.99- 2.57)	
12	DOBSON	4	m	-	-	-	0.97	(0.50- 1.86)	
12	DOBSON	2	f	-	-	-	2.46	(1.47- 4.13)	
Subtotal 12							1.72	(1.15- 2.59)	
13	GARDIN	2	c	-	-	-	0.57	(0.19- 1.74)	
24	MCELDU	4	m	-	-	-	0.82	(0.55- 1.22)	
24	MCELDU	2	f	-	-	-	2.15	(1.18- 3.92)	
Subtotal 24							1.10	(0.79- 1.53)	
35	QURESH	1	f	-	-	-	1.05	(0.81- 1.38)	
41	HILL1	2	m	-	-	-	1.04	(0.88- 1.23)	
41	HILL1	4	f	-	-	-	0.98	(0.83- 1.17)	
Subtotal 41							1.01	(0.90- 1.14)	
42	HILL2	2	m	-	-	-	1.18	(0.96- 1.44)	
42	HILL2	4	f	-	-	-	1.27	(0.98- 1.66)	
Subtotal 42							1.21	(1.03- 1.42)	
44	SULO	2	m	-	-	-	1.68	(0.81- 3.47)	
44	SULO	4	f	-	-	-	1.19	(0.25- 5.64)	
Subtotal 44							1.58	(0.82- 3.05)	
45	VOZORI	2	c	-	-	-	1.00	(0.80- 1.20)	
50	PEINEM	1	c	33	379	95	1387	1.27	(0.84- 1.92)
51	CHEN2	1	c	133	675	272	1601	1.16	(0.93- 1.45)
53	CLARK	4	m	-	-	-	-	1.98	(1.00- 3.93)
53	CLARK	3	f	-	-	-	-	0.94	(0.67- 1.32)
Subtotal 53								1.09	(0.80- 1.48)
55	KASTOR	2	c	-	-	-	-	4.33	(1.52- 12.38)
Partial Totals			166	1054	367	2988			

*prospective study

results given			Number Exposed		Non-exposed		RR	95.00%CI	
StN	Ref	NRR	SCase	Cont	Case	Cont			
1	HIRAYA	6	f	-	-	-	1.16	(0.94- 1.43)	
3	LEE	2	m	-	-	-	1.24	(0.58- 2.67)	
3	LEE	4	f	-	-	-	0.93	(0.53- 1.64)	
Subtotal 3							1.03	(0.65- 1.62)	
5	SVENDS	2	m	-	-	-	1.61	(0.96- 2.71)	
8	HOLE	3	m	-	-	-	1.73	(1.01- 2.96)	
8	HOLE	2	f	-	-	-	1.65	(0.79- 3.46)	
Subtotal 8							1.70	(1.10- 2.63)	
9	JACKSO	4	m	-	-	-	1.06	(0.39- 2.91)	
9	JACKSO	2	f	-	-	-	3.74	(1.15- 12.19)	
Subtotal 9							1.80	(0.84- 3.87)	
14	LAVECC	2	m	9	21	55	140	1.09	(0.47- 2.53)
14	LAVECC	1	f	32	39	11	17	1.27	(0.52- 3.09)
Subtotal 14								1.17	(0.64- 2.16)
15	LAYARD	2	m	-	-	-	-	0.97	(0.73- 1.28)
15	LAYARD	10	f	-	-	-	-	0.99	(0.84- 1.16)
Subtotal 15								0.98	(0.86- 1.13)
16	LEVOIS	1	m	-	-	-	-	0.97	(0.90- 1.05)
16	LEVOIS	6	f	-	-	-	-	1.03	(0.98- 1.08)
Subtotal 16								1.01	(0.97- 1.06)
18	MUSCAT	1	m	20	25	48	83	1.38	(0.70- 2.75)
18	MUSCAT	2	f	28	27	18	23	1.33	(0.59- 2.99)
Subtotal 18								1.36	(0.80- 2.30)
19	TUNSTA	2	c	-	-	-	-	1.34	(1.07- 1.67)
20	STEENL	3	m	-	-	-	-	1.09	(0.98- 1.21)
20	STEENL	4	f	-	-	-	-	1.04	(0.93- 1.16)
Subtotal 20								1.07	(0.99- 1.15)
21	JANGHO	1	f	63	100	137	300	1.38	(0.95- 2.01)

 Within each study, 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), in last 10 years (t)
- 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), 28-JAN-15
 By any study results available on dose-response or not - adjusted

results given

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
22	KAWACH	11	f	-	-	-	1.53	(0.81- 2.90)	
23	CIRUZZ	7	m	-	-	-	1.18	(0.55- 2.52)	
23	CIRUZZ	8	f	-	-	-	1.73	(0.89- 3.36)	
Subtotal 23							1.47	(0.89- 2.42)	
26	HE1	2	f	-	-	-	1.60	(0.94- 2.90)	
27	IRIBAR	4	m	-	-	-	1.13	(1.00- 1.27)	
27	IRIBAR	19	f	-	-	-	1.20	(1.09- 1.30)	
Subtotal 27							1.17	(1.09- 1.26)	
28	ROSENL	2	m	-	-	-	0.96	(0.64- 1.44)	
28	ROSENL	14	f	-	-	-	1.53	(0.95- 2.44)	
Subtotal 28							1.17	(0.86- 1.59)	
29	PITSAV	9	c	-	-	-	1.33	(0.89- 1.99)	
30	ENSTRO	16	m	-	-	-	0.93	(0.83- 1.04)	
30	ENSTRO	32	f	-	-	-	0.99	(0.92- 1.08)	
Subtotal 30							0.97	(0.91- 1.03)	
31	CHEN	10	c	-	-	-	1.20	(0.70- 2.20)	
32	NISHTA	3	c	-	-	-	2.38	(1.04- 5.42)	
34	MCGHEE	1	m	-	-	-	1.30	(0.88- 1.93)	
34	MCGHEE	2	f	-	-	-	1.39	(0.95- 2.04)	
Subtotal 34							1.35	(1.02- 1.77)	
37	STRANG	22	m	156	370	39	91	0.98	(0.65- 1.50)
37	STRANG	14	f	78	671	11	123	1.30	(0.67- 2.51)
Subtotal 37								1.07	(0.75- 1.52)
38	TEO	1	c	-	-	-	-	1.37	(1.27- 1.48)
39	WEN	17	f	-	-	-	-	0.99	(0.72- 1.37)
43	HE2	8	f	-	-	-	-	1.69	(1.31- 2.18)
46	DING	2	f	-	-	-	-	1.52	(1.01- 2.27)
47	GALLO	17	c	-	-	-	-	1.99	(0.92- 4.29)
49	JEFFER	2	c	-	-	-	-	2.41	(1.04- 5.59)
52	HE3	2	m	-	-	-	-	2.24	(0.76- 6.59)
52	HE3	4	f	-	-	-	-	2.10	(0.69- 6.33)
Subtotal 52								2.17	(1.00- 4.70)
54	TROMSO	2	m	-	-	-	-	0.91	(0.61- 1.35)
54	TROMSO	16	f	-	-	-	-	1.42	(1.06- 1.90)
Subtotal 54								1.21	(0.96- 1.54)
56	HALS2	2	m	-	-	-	-	1.26	(0.37- 4.31)
56	HALS2	4	f	-	-	-	-	1.12	(0.55- 2.28)
Subtotal 56								1.15	(0.62- 2.13)
Partial Totals			386	1253	319	777			

*prospective study

none no assoc sig assc results g Total

Relative risks

	N	24		49	73
	NS	17		32	49
	Wt	1108.34		6145.20	7253.54
	Het Chi	44.81		127.31	174.07
	Het df	23		48	72
	Het P	**		***	***
Fixed	RR	1.15		1.10	1.10
	RR1	1.08		1.07	1.08
	RRu	1.22		1.12	1.13
	P	+++		+++	+++
Random	RR	1.19		1.18	1.18
	RR1	1.08		1.11	1.12
	RRu	1.32		1.25	1.24
	P	+++		+++	+++
Asymm	P	*		**	***
Between	Chi			1.96	1.96
Between	df			1	1
Between	P		N.S.	N.S.	N.S.

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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), 28-JAN-15
 By spouse the index or not - adjusted

		Number Exposed		Non-exposed		RR	95.00%CI
StN	Ref	SCase	Cont	Case	Cont		
1	HIRAYA 6	f	-	-	-	1.16	(0.94- 1.43)
2	GARLAN 5	f	-	-	-	2.70	(0.63- 11.58)
3	LEE 2	m	-	-	-	1.24	(0.58- 2.67)
3	LEE 4	f	-	-	-	0.93	(0.53- 1.64)
Subtotal 3						1.03	(0.65- 1.62)
4	MARTIN 1	f	-	-	-	2.60	(1.20- 5.70)
5	SVENDS 2	m	-	-	-	1.61	(0.96- 2.71)
6	BUTLER 2	f	-	-	-	1.07	(0.65- 1.75)
11	HUMBLE 1	f	-	-	-	1.59	(0.99- 2.57)
13	GARDIN 2	c	-	-	-	0.57	(0.19- 1.74)
14	LAVECC 2	m	9	21	55	1.09	(0.47- 2.53)
14	LAVECC 1	f	32	39	11	1.27	(0.52- 3.09)
Subtotal 14						1.17	(0.64- 2.16)
15	LAYARD 2	m	-	-	-	0.97	(0.73- 1.28)
15	LAYARD 10	f	-	-	-	0.99	(0.84- 1.16)
Subtotal 15						0.98	(0.86- 1.13)
16	LEVOIS 1	m	-	-	-	0.97	(0.90- 1.05)
16	LEVOIS 6	f	-	-	-	1.03	(0.98- 1.08)
Subtotal 16						1.01	(0.97- 1.06)
18	MUSCAT 1	m	20	25	48	1.38	(0.70- 2.75)
18	MUSCAT 2	f	28	27	18	1.33	(0.59- 2.99)
Subtotal 18						1.36	(0.80- 2.30)
20	STEENL 3	m	-	-	-	1.09	(0.98- 1.21)
20	STEENL 4	f	-	-	-	1.04	(0.93- 1.16)
Subtotal 20						1.07	(0.99- 1.15)
21	JANGHO 1	f	63	100	137	1.38	(0.95- 2.01)
23	CIRUZZ 7	m	-	-	-	1.18	(0.55- 2.52)
23	CIRUZZ 8	f	-	-	-	1.73	(0.89- 3.36)
Subtotal 23						1.47	(0.89- 2.42)
26	HE1 2	f	-	-	-	1.60	(0.94- 2.90)
28	ROSENL 2	m	-	-	-	0.96	(0.64- 1.44)
28	ROSENL 14	f	-	-	-	1.53	(0.95- 2.44)
Subtotal 28						1.17	(0.86- 1.59)
30	ENSTRO 16	m	-	-	-	0.93	(0.83- 1.04)
30	ENSTRO 32	f	-	-	-	0.99	(0.92- 1.08)
Subtotal 30						0.97	(0.91- 1.03)
32	NISHTA 3	c	-	-	-	2.38	(1.04- 5.42)
35	QURESH 1	f	-	-	-	1.05	(0.81- 1.38)
39	WEN 17	f	-	-	-	0.99	(0.72- 1.37)
44	SULO 2	m	-	-	-	1.68	(0.81- 3.47)
44	SULO 4	f	-	-	-	1.19	(0.25- 5.64)
Subtotal 44						1.58	(0.82- 3.05)
47	GALLO 17	c	-	-	-	1.99	(0.92- 4.29)
49	JEFFER 2	c	-	-	-	2.41	(1.04- 5.59)
Partial Totals			152	212	269	563	

*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), in last 10 years (t)
- 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), 28-JAN-15
 By spouse the index or not - adjusted

No		Number Exposed		Non-exposed		RR	95.00%CI
StN	Ref	SCase	Cont	Case	Cont		
8	HOLE	3	m	-	-	1.73	(1.01- 2.96)
8	HOLE	2	f	-	-	1.65	(0.79- 3.46)
Subtotal 8						1.70	(1.10- 2.63)
9	JACKSO	4	m	-	-	1.06	(0.39- 2.91)
9	JACKSO	2	f	-	-	3.74	(1.15- 12.19)
Subtotal 9						1.80	(0.84- 3.87)
10	SANDLE	2	m	-	-	1.31	(1.05- 1.64)
10	SANDLE	4	f	-	-	1.19	(1.04- 1.36)
Subtotal 10						1.22	(1.09- 1.37)
12	DOBSON	4	m	-	-	0.97	(0.50- 1.86)
12	DOBSON	2	f	-	-	2.46	(1.47- 4.13)
Subtotal 12						1.72	(1.15- 2.59)
19	TUNSTA	2	c	-	-	1.34	(1.07- 1.67)
22	KAWACH	11	f	-	-	1.53	(0.81- 2.90)
24	MCELDU	4	m	-	-	0.82	(0.55- 1.22)
24	MCELDU	2	f	-	-	2.15	(1.18- 3.92)
Subtotal 24						1.10	(0.79- 1.53)
27	IRIBAR	4	m	-	-	1.13	(1.00- 1.27)
27	IRIBAR	19	f	-	-	1.20	(1.09- 1.30)
Subtotal 27						1.17	(1.09- 1.26)
29	PITSAV	9	c	-	-	1.33	(0.89- 1.99)
31	CHEN	10	c	-	-	1.20	(0.70- 2.20)
34	MCGHEE	1	m	-	-	1.30	(0.88- 1.93)
34	MCGHEE	2	f	-	-	1.39	(0.95- 2.04)
Subtotal 34						1.35	(1.02- 1.77)
37	STRANG	22	m	156	370	0.98	(0.65- 1.50)
37	STRANG	14	f	78	671	1.30	(0.67- 2.51)
Subtotal 37						1.07	(0.75- 1.52)
38	TEO	1	c	-	-	1.37	(1.27- 1.48)
41	HILL1	2	m	-	-	1.04	(0.88- 1.23)
41	HILL1	4	f	-	-	0.98	(0.83- 1.17)
Subtotal 41						1.01	(0.90- 1.14)
42	HILL2	2	m	-	-	1.18	(0.96- 1.44)
42	HILL2	4	f	-	-	1.27	(0.98- 1.66)
Subtotal 42						1.21	(1.03- 1.42)
43	HE2	8	f	-	-	1.69	(1.31- 2.18)
45	VOZORI	2	c	-	-	1.00	(0.80- 1.20)
46	DING	2	f	-	-	1.52	(1.01- 2.27)
50	PEINEM	1	c	33	379	1.27	(0.84- 1.92)
51	CHEN2	1	c	133	675	1.16	(0.93- 1.45)
52	HE3	2	m	-	-	2.24	(0.76- 6.59)
52	HE3	4	f	-	-	2.10	(0.69- 6.33)
Subtotal 52						2.17	(1.00- 4.70)
53	CLARK	4	m	-	-	1.98	(1.00- 3.93)
53	CLARK	3	f	-	-	0.94	(0.67- 1.32)
Subtotal 53						1.09	(0.80- 1.48)
54	TROMSO	2	m	-	-	0.91	(0.61- 1.35)
54	TROMSO	16	f	-	-	1.42	(1.06- 1.90)
Subtotal 54						1.21	(0.96- 1.54)
55	KASTOR	2	c	-	-	4.33	(1.52- 12.38)
56	HALS2	2	m	-	-	1.26	(0.37- 4.31)
56	HALS2	4	f	-	-	1.12	(0.55- 2.28)
Subtotal 56						1.15	(0.62- 2.13)
Partial Totals			400	2095	417	3202	

*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), in last 10 years (t)
- 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), 28-JAN-15
 By spouse the index or not - adjusted

	Yes	No	Total
Relative risks			
N	34	39	73
NS	24	25	49
Wt	4431.89	2821.64	7253.54
Het Chi	47.62	70.75	174.07
Het df	33	38	72
Het P	*	***	***
Fixed RR	1.03	1.23	1.10
RRl	1.00	1.19	1.08
RRu	1.06	1.28	1.13
P	(+)	+++	+++
Random RR	1.06	1.24	1.18
RRl	1.01	1.16	1.12
RRu	1.12	1.32	1.24
P	+	+++	+++
Asymm P	***	N.S.	***
Between Chi		55.70	55.70
Between df		1	1
Between P		+++	***

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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), 28-JAN-15
 By heart disease type 1 - adjusted

		Number Exposed		Non-exposed		RR	95.00%CI
StN	Ref NRR	SCase	Cont	Case	Cont		
Fatal							
1	HIRAYA 6	f	-	-	-	1.16	(0.94- 1.43)
2	GARLAN 5	f	-	-	-	2.70	(0.63- 11.58)
6	BUTLER 2	f	-	-	-	1.07	(0.65- 1.75)
8	HOLE 3	m	-	-	-	1.73	(1.01- 2.96)
8	HOLE 2	f	-	-	-	1.65	(0.79- 3.46)
Subtotal 8						1.70	(1.10- 2.63)
10	SANDLE 2	m	-	-	-	1.31	(1.05- 1.64)
10	SANDLE 4	f	-	-	-	1.19	(1.04- 1.36)
Subtotal 10						1.22	(1.09- 1.37)
11	HUMBLE 1	f	-	-	-	1.59	(0.99- 2.57)
15	LAYARD 2	m	-	-	-	0.97	(0.73- 1.28)
15	LAYARD 10	f	-	-	-	0.99	(0.84- 1.16)
Subtotal 15						0.98	(0.86- 1.13)
16	LEVOIS 1	m	-	-	-	0.97	(0.90- 1.05)
16	LEVOIS 6	f	-	-	-	1.03	(0.98- 1.08)
Subtotal 16						1.01	(0.97- 1.06)
20	STEENL 3	m	-	-	-	1.09	(0.98- 1.21)
20	STEENL 4	f	-	-	-	1.04	(0.93- 1.16)
Subtotal 20						1.07	(0.99- 1.15)
30	ENSTRO 16	m	-	-	-	0.93	(0.83- 1.04)
30	ENSTRO 32	f	-	-	-	0.99	(0.92- 1.08)
Subtotal 30						0.97	(0.91- 1.03)
34	MCGHEE 1	m	-	-	-	1.30	(0.88- 1.93)
34	MCGHEE 2	f	-	-	-	1.39	(0.95- 2.04)
Subtotal 34						1.35	(1.02- 1.77)
39	WEN 17	f	-	-	-	0.99	(0.72- 1.37)
41	HILL1 2	m	-	-	-	1.04	(0.88- 1.23)
41	HILL1 4	f	-	-	-	0.98	(0.83- 1.17)
Subtotal 41						1.01	(0.90- 1.14)
42	HILL2 2	m	-	-	-	1.18	(0.96- 1.44)
42	HILL2 4	f	-	-	-	1.27	(0.98- 1.66)
Subtotal 42						1.21	(1.03- 1.42)
47	GALLO 17	c	-	-	-	1.99	(0.92- 4.29)
52	HE3 2	m	-	-	-	2.24	(0.76- 6.59)
52	HE3 4	f	-	-	-	2.10	(0.69- 6.33)
Subtotal 52						2.17	(1.00- 4.70)
53	CLARK 4	m	-	-	-	1.98	(1.00- 3.93)
53	CLARK 3	f	-	-	-	0.94	(0.67- 1.32)
Subtotal 53						1.09	(0.80- 1.48)
56	HALS2 2	m	-	-	-	1.26	(0.37- 4.31)
56	HALS2 4	f	-	-	-	1.12	(0.55- 2.28)
Subtotal 56						1.15	(0.62- 2.13)
Partial Totals		0	0	0	0		
*prospective study							

		Number Exposed		Non-exposed		RR	95.00%CI
StN	Ref NRR	SCase	Cont	Case	Cont		
Nonfatal							
3	LEE 2	m	-	-	-	1.24	(0.58- 2.67)
3	LEE 4	f	-	-	-	0.93	(0.53- 1.64)
Subtotal 3						1.03	(0.65- 1.62)
4	MARTIN 1	f	-	-	-	2.60	(1.20- 5.70)
14	LAVECC 2	m	9	21	55	1.09	(0.47- 2.53)
14	LAVECC 1	f	32	39	11	1.27	(0.52- 3.09)
Subtotal 14						1.17	(0.64- 2.16)
18	MUSCAT 1	m	20	25	48	1.38	(0.70- 2.75)
18	MUSCAT 2	f	28	27	18	1.33	(0.59- 2.99)
Subtotal 18						1.36	(0.80- 2.30)
19	TUNSTA 2	c	-	-	-	1.34	(1.07- 1.67)
21	JANGHO 1	f	63	100	137	1.38	(0.95- 2.01)
23	CIRUZZ 7	m	-	-	-	1.18	(0.55- 2.52)
23	CIRUZZ 8	f	-	-	-	1.73	(0.89- 3.36)
Subtotal 23						1.47	(0.89- 2.42)
26	HE1 2	f	-	-	-	1.60	(0.94- 2.90)
27	IRIBAR 4	m	-	-	-	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), in last 10 years (t)
- 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), 28-JAN-15
 By heart disease type 1 - adjusted

Nonfatal

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
27	IRIBAR	19	f	-	-	-	1.20	(1.09- 1.30)
Subtotal 27							1.17	(1.09- 1.26)
28	ROSENL	2	m	-	-	-	0.96	(0.64- 1.44)
28	ROSENL	14	f	-	-	-	1.53	(0.95- 2.44)
Subtotal 28							1.17	(0.86- 1.59)
29	PITSAV	9	c	-	-	-	1.33	(0.89- 1.99)
31	CHEN	10	c	-	-	-	1.20	(0.70- 2.20)
32	NISHTA	3	c	-	-	-	2.38	(1.04- 5.42)
37	STRANG	22	m	156	370	39	91	0.98 (0.65- 1.50)
37	STRANG	14	f	78	671	11	123	1.30 (0.67- 2.51)
Subtotal 37							1.07	(0.75- 1.52)
38	TEO	1	c	-	-	-	1.37	(1.27- 1.48)
43	HE2	8	f	-	-	-	1.69	(1.31- 2.18)
44	SULO	2	m	-	-	-	1.68	(0.81- 3.47)
44	SULO	4	f	-	-	-	1.19	(0.25- 5.64)
Subtotal 44							1.58	(0.82- 3.05)
45	VOZORI	2	c	-	-	-	1.00	(0.80- 1.20)
46	DING	2	f	-	-	-	1.52	(1.01- 2.27)
50	PEINEM	1	c	33	379	95	1387	1.27 (0.84- 1.92)
51	CHEN2	1	c	133	675	272	1601	1.16 (0.93- 1.45)
55	KASTOR	2	c	-	-	-	-	4.33 (1.52- 12.38)
Partial Totals				552	2307	686	3765	

*prospective study

Both

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
5	SVENDS	2	m	-	-	-	-	1.61 (0.96- 2.71)
9	JACKSO	4	m	-	-	-	-	1.06 (0.39- 2.91)
9	JACKSO	2	f	-	-	-	-	3.74 (1.15- 12.19)
Subtotal 9							1.80	(0.84- 3.87)
12	DOBSON	4	m	-	-	-	-	0.97 (0.50- 1.86)
12	DOBSON	2	f	-	-	-	-	2.46 (1.47- 4.13)
Subtotal 12							1.72	(1.15- 2.59)
13	GARDIN	2	c	-	-	-	-	0.57 (0.19- 1.74)
22	KAWACH	11	f	-	-	-	-	1.53 (0.81- 2.90)
24	MCELDU	4	m	-	-	-	-	0.82 (0.55- 1.22)
24	MCELDU	2	f	-	-	-	-	2.15 (1.18- 3.92)
Subtotal 24							1.10	(0.79- 1.53)
35	QURESH	1	f	-	-	-	-	1.05 (0.81- 1.38)
49	JEFFER	2	c	-	-	-	-	2.41 (1.04- 5.59)
54	TROMSO	2	m	-	-	-	-	0.91 (0.61- 1.35)
54	TROMSO	16	f	-	-	-	-	1.42 (1.06- 1.90)
Subtotal 54							1.21	(0.96- 1.54)
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), in last 10 years (t)
- 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), 28-JAN-15
 By heart disease type 1 - adjusted

	Fatal	Nonfatal	Both	Total
Relative risks				
N	30	30	13	73
NS	18	22	9	49
Wt	5032.51	2000.42	220.61	7253.54
Het Chi	46.35	39.12	28.43	174.07
Het df	29	29	12	72
Het P	*	(*)	**	***
Fixed RR	1.04	1.27	1.25	1.10
RRl	1.01	1.21	1.10	1.08
RRu	1.07	1.32	1.43	1.13
P	++	+++	+++	+++
Random RR	1.07	1.27	1.34	1.18
RRl	1.02	1.19	1.06	1.12
RRu	1.12	1.36	1.68	1.24
P	++	+++	+	+++
Asymm P	***	N.S.	N.S.	***
Between Chi		56.49	7.46	60.18
Between df		1	1	2
Between P		+++	++	***

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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), 28-JAN-15
 By heart disease type 2 - adjusted

IHD		Number Exposed		Non-exposed		RR	95.00%CI
StN	Ref	SCase	Cont	Case	Cont		
1	HIRAYA 6	f	-	-	-	1.16	(0.94- 1.43)
2	GARLAN 5	f	-	-	-	2.70	(0.63- 11.58)
3	LEE 2	m	-	-	-	1.24	(0.58- 2.67)
3	LEE 4	f	-	-	-	0.93	(0.53- 1.64)
Subtotal 3						1.03	(0.65- 1.62)
5	SVENDS 2	m	-	-	-	1.61	(0.96- 2.71)
6	BUTLER 2	f	-	-	-	1.07	(0.65- 1.75)
13	GARDIN 2	c	-	-	-	0.57	(0.19- 1.74)
15	LAYARD 2	m	-	-	-	0.97	(0.73- 1.28)
15	LAYARD 10	f	-	-	-	0.99	(0.84- 1.16)
Subtotal 15						0.98	(0.86- 1.13)
19	TUNSTA 2	c	-	-	-	1.34	(1.07- 1.67)
20	STEENL 3	m	-	-	-	1.09	(0.98- 1.21)
20	STEENL 4	f	-	-	-	1.04	(0.93- 1.16)
Subtotal 20						1.07	(0.99- 1.15)
21	JANGHO 1	f	63	100	137	1.38	(0.95- 2.01)
30	ENSTRO 16	m	-	-	-	0.93	(0.83- 1.04)
30	ENSTRO 32	f	-	-	-	0.99	(0.92- 1.08)
Subtotal 30						0.97	(0.91- 1.03)
31	CHEN 10	c	-	-	-	1.20	(0.70- 2.20)
32	NISHTA 3	c	-	-	-	2.38	(1.04- 5.42)
34	MCGHEE 1	m	-	-	-	1.30	(0.88- 1.93)
34	MCGHEE 2	f	-	-	-	1.39	(0.95- 2.04)
Subtotal 34						1.35	(1.02- 1.77)
41	HILL1 2	m	-	-	-	1.04	(0.88- 1.23)
41	HILL1 4	f	-	-	-	0.98	(0.83- 1.17)
Subtotal 41						1.01	(0.90- 1.14)
42	HILL2 2	m	-	-	-	1.18	(0.96- 1.44)
42	HILL2 4	f	-	-	-	1.27	(0.98- 1.66)
Subtotal 42						1.21	(1.03- 1.42)
43	HE2 8	f	-	-	-	1.69	(1.31- 2.18)
45	VOZORI 2	c	-	-	-	1.00	(0.80- 1.20)
46	DING 2	f	-	-	-	1.52	(1.01- 2.27)
50	PEINEM 1	c	33	379	95	1.27	(0.84- 1.92)
52	HE3 2	m	-	-	-	2.24	(0.76- 6.59)
52	HE3 4	f	-	-	-	2.10	(0.69- 6.33)
Subtotal 52						2.17	(1.00- 4.70)
53	CLARK 4	m	-	-	-	1.98	(1.00- 3.93)
53	CLARK 3	f	-	-	-	0.94	(0.67- 1.32)
Subtotal 53						1.09	(0.80- 1.48)
Partial Totals		96	479	232	1687		

*prospective study

MI		Number Exposed		Non-exposed		RR	95.00%CI
StN	Ref	SCase	Cont	Case	Cont		
4	MARTIN 1	f	-	-	-	2.60	(1.20- 5.70)
14	LAVECC 2	m	9	21	55	1.09	(0.47- 2.53)
14	LAVECC 1	f	32	39	11	1.27	(0.52- 3.09)
Subtotal 14						1.17	(0.64- 2.16)
18	MUSCAT 1	m	20	25	48	1.38	(0.70- 2.75)
18	MUSCAT 2	f	28	27	18	1.33	(0.59- 2.99)
Subtotal 18						1.36	(0.80- 2.30)
23	CIRUZZ 7	m	-	-	-	1.18	(0.55- 2.52)
23	CIRUZZ 8	f	-	-	-	1.73	(0.89- 3.36)
Subtotal 23						1.47	(0.89- 2.42)
24	MCELDU 4	m	-	-	-	0.82	(0.55- 1.22)
24	MCELDU 2	f	-	-	-	2.15	(1.18- 3.92)
Subtotal 24						1.10	(0.79- 1.53)
28	ROSENL 2	m	-	-	-	0.96	(0.64- 1.44)
28	ROSENL 14	f	-	-	-	1.53	(0.95- 2.44)
Subtotal 28						1.17	(0.86- 1.59)
37	STRANG 22	m	156	370	39	0.98	(0.65- 1.50)
37	STRANG 14	f	78	671	11	1.30	(0.67- 2.51)
Subtotal 37						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), in last 10 years (t)
- 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), 28-JAN-15
 By heart disease type 2 - adjusted

MI

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
38	TEO	1	c	-	-	-	1.37	(1.27- 1.48)
49	JEFFER	2	c	-	-	-	2.41	(1.04- 5.59)
54	TROMSO	2	m	-	-	-	0.91	(0.61- 1.35)
54	TROMSO	16	f	-	-	-	1.42	(1.06- 1.90)
Subtotal 54							1.21	(0.96- 1.54)
Partial Totals			323	1153	182	477		

*prospective study

other

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
10	SANDLE	2	m	-	-	-	1.31	(1.05- 1.64)
10	SANDLE	4	f	-	-	-	1.19	(1.04- 1.36)
Subtotal 10							1.22	(1.09- 1.37)
11	HUMBLE	1	f	-	-	-	1.59	(0.99- 2.57)
16	LEVOIS	1	m	-	-	-	0.97	(0.90- 1.05)
16	LEVOIS	6	f	-	-	-	1.03	(0.98- 1.08)
Subtotal 16							1.01	(0.97- 1.06)
26	HE1	2	f	-	-	-	1.60	(0.94- 2.90)
27	IRIBAR	4	m	-	-	-	1.13	(1.00- 1.27)
27	IRIBAR	19	f	-	-	-	1.20	(1.09- 1.30)
Subtotal 27							1.17	(1.09- 1.26)
35	QURESH	1	f	-	-	-	1.05	(0.81- 1.38)
56	HALS2	2	m	-	-	-	1.26	(0.37- 4.31)
56	HALS2	4	f	-	-	-	1.12	(0.55- 2.28)
Subtotal 56							1.15	(0.62- 2.13)
Partial Totals			0	0	0	0		

*prospective study

mixed

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
8	HOLE	3	m	-	-	-	1.73	(1.01- 2.96)	
8	HOLE	2	f	-	-	-	1.65	(0.79- 3.46)	
Subtotal 8							1.70	(1.10- 2.63)	
9	JACKSO	4	m	-	-	-	1.06	(0.39- 2.91)	
9	JACKSO	2	f	-	-	-	3.74	(1.15- 12.19)	
Subtotal 9							1.80	(0.84- 3.87)	
12	DOBSON	4	m	-	-	-	0.97	(0.50- 1.86)	
12	DOBSON	2	f	-	-	-	2.46	(1.47- 4.13)	
Subtotal 12							1.72	(1.15- 2.59)	
22	KAWACH	11	f	-	-	-	1.53	(0.81- 2.90)	
29	PITSAV	9	c	-	-	-	1.33	(0.89- 1.99)	
39	WEN	17	f	-	-	-	0.99	(0.72- 1.37)	
44	SULO	2	m	-	-	-	1.68	(0.81- 3.47)	
44	SULO	4	f	-	-	-	1.19	(0.25- 5.64)	
Subtotal 44							1.58	(0.82- 3.05)	
47	GALLO	17	c	-	-	-	1.99	(0.92- 4.29)	
51	CHEN2	1	c	133	675	272	1601	1.16	(0.93- 1.45)
55	KASTOR	2	c	-	-	-	4.33	(1.52- 12.38)	
Partial Totals			133	675	272	1601			

*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), in last 10 years (t)
- 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), 28-JAN-15
 By heart disease type 2 - adjusted

	IHD	MI	other	mixed	Total
Relative risks					
N	31	17	11	14	73
NS	22	10	7	10	49
Wt	2733.58	883.18	3422.28	214.50	7253.54
Het Chi	56.44	22.90	26.18	21.88	174.07
Het df	30	16	10	13	72
Het P	**	N.S.	**	(*)	***
Fixed RR	1.07	1.33	1.07	1.34	1.10
RRl	1.03	1.25	1.03	1.17	1.08
RRu	1.11	1.42	1.11	1.53	1.13
P	+++	+++	+++	+++	+++
Random RR	1.12	1.28	1.12	1.47	1.18
RRl	1.05	1.12	1.04	1.20	1.12
RRu	1.20	1.46	1.21	1.81	1.24
P	+++	+++	++	+++	+++
Asymm P	***	N.S.	(*)	*	***
Between Chi		33.76	0.02	10.37	46.67
Between df		1	1	1	3
Between P		+++	N.S.	++	***

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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), 28-JAN-15
 Overall - adjusted

Overall

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
1	HIRAYA	6	f	-	-	-	1.16	(0.94- 1.43)	
2	GARLAN	4	f	-	-	-	2.25	(0.32- 15.74)	
3	LEE	2	m	-	-	-	1.24	(0.58- 2.67)	
3	LEE	4	f	-	-	-	0.93	(0.53- 1.64)	
Subtotal 3							1.03	(0.65- 1.62)	
4	MARTIN	1	f	-	-	-	2.60	(1.20- 5.70)	
5	SVENDS	2	m	-	-	-	1.61	(0.96- 2.71)	
6	BUTLER	4	f	-	-	-	1.40	(0.51- 3.84)	
8	HOLE	3	m	-	-	-	1.73	(1.01- 2.96)	
8	HOLE	2	f	-	-	-	1.65	(0.79- 3.46)	
Subtotal 8							1.70	(1.10- 2.63)	
9	JACKSO	4	m	-	-	-	1.06	(0.39- 2.91)	
9	JACKSO	2	f	-	-	-	3.74	(1.15- 12.19)	
Subtotal 9							1.80	(0.84- 3.87)	
10	SANDLE	2	m	-	-	-	1.31	(1.05- 1.64)	
10	SANDLE	4	f	-	-	-	1.19	(1.04- 1.36)	
Subtotal 10							1.22	(1.09- 1.37)	
11	HUMBLE	1	f	-	-	-	1.59	(0.99- 2.57)	
12	DOBSON	4	m	-	-	-	0.97	(0.50- 1.86)	
12	DOBSON	2	f	-	-	-	2.46	(1.47- 4.13)	
Subtotal 12							1.72	(1.15- 2.59)	
13	GARDIN	2	c	-	-	-	0.57	(0.19- 1.74)	
14	LAVECC	6	m	-	-	-	1.09	(0.39- 3.01)	
14	LAVECC	4	f	-	-	-	1.36	(0.46- 4.05)	
Subtotal 14							1.21	(0.57- 2.55)	
15	LAYARD	2	m	-	-	-	0.97	(0.73- 1.28)	
15	LAYARD	10	f	-	-	-	0.99	(0.84- 1.16)	
Subtotal 15							0.98	(0.86- 1.13)	
16	LEVOIS	2	m	-	-	-	0.98	(0.91- 1.06)	
16	LEVOIS	7	f	-	-	-	1.04	(0.99- 1.09)	
Subtotal 16							1.02	(0.98- 1.07)	
18	MUSCAT	1	m	20	25	48	83	1.38	(0.70- 2.75)
18	MUSCAT	2	f	28	27	18	23	1.33	(0.59- 2.99)
Subtotal 18							1.36	(0.80- 2.30)	
19	TUNSTA	2	c	-	-	-	1.34	(1.07- 1.67)	
20	STEENL	1	m	-	-	-	1.22	(1.07- 1.40)	
20	STEENL	2	f	-	-	-	1.10	(0.96- 1.27)	
Subtotal 20							1.16	(1.05- 1.28)	
21	JANGHO	1	f	63	100	137	300	1.38	(0.95- 2.01)
22	KAWACH	11	f	-	-	-	-	1.53	(0.81- 2.90)
23	CIRUZZ	7	m	-	-	-	-	1.18	(0.55- 2.52)
23	CIRUZZ	8	f	-	-	-	-	1.73	(0.89- 3.36)
Subtotal 23							1.47	(0.89- 2.42)	
24	MCELDU	4	m	-	-	-	-	0.82	(0.55- 1.22)
24	MCELDU	2	f	-	-	-	-	2.15	(1.18- 3.92)
Subtotal 24							1.10	(0.79- 1.53)	
26	HE1	2	f	-	-	-	-	1.60	(0.94- 2.90)
27	IRIBAR	4	m	-	-	-	-	1.13	(1.00- 1.27)
27	IRIBAR	19	f	-	-	-	-	1.20	(1.09- 1.30)
Subtotal 27							1.17	(1.09- 1.26)	
28	ROSENL	4	m	-	-	-	-	0.98	(0.57- 1.69)
28	ROSENL	16	f	-	-	-	-	2.59	(1.27- 5.29)
Subtotal 28							1.40	(0.91- 2.16)	
29	PITSAV	9	c	-	-	-	-	1.33	(0.89- 1.99)
30	ENSTRO	15	m	-	-	-	-	0.92	(0.80- 1.05)
30	ENSTRO	31	f	-	-	-	-	0.97	(0.89- 1.06)
Subtotal 30							0.96	(0.89- 1.03)	
31	CHEN	10	c	-	-	-	-	1.20	(0.70- 2.20)
32	NISHTA	3	c	-	-	-	-	2.38	(1.04- 5.42)
34	MCGHEE	1	m	-	-	-	-	1.30	(0.88- 1.93)
34	MCGHEE	2	f	-	-	-	-	1.39	(0.95- 2.04)
Subtotal 34							1.35	(1.02- 1.77)	
35	QURESH	1	f	-	-	-	-	1.05	(0.81- 1.38)
37	STRANG	25	m	18	58	177	403	0.71	(0.40- 1.23)
37	STRANG	17	f	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), in last 10 years (t)
- 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), 28-JAN-15
 Overall - adjusted

Overall		Number Exposed		Non-exposed		RR	95.00%CI	
StN	Ref NRR	SCase	Cont	Case	Cont			
Subtotal 37						0.79 (0.52-	1.22)	
38	TEO 1	c	-	-	-	1.37 (1.27-	1.48)	
39	WEN 18	f	-	-	-	1.19 (0.84-	1.67)	
41	HILL1 2	m	-	-	-	1.04 (0.88-	1.23)	
41	HILL1 4	f	-	-	-	0.98 (0.83-	1.17)	
Subtotal 41						1.01 (0.90-	1.14)	
42	HILL2 2	m	-	-	-	1.18 (0.96-	1.44)	
42	HILL2 4	f	-	-	-	1.27 (0.98-	1.66)	
Subtotal 42						1.21 (1.03-	1.42)	
43	HE2 8	f	-	-	-	1.69 (1.31-	2.18)	
44	SULO 2	m	-	-	-	1.68 (0.81-	3.47)	
44	SULO 4	f	-	-	-	1.19 (0.25-	5.64)	
Subtotal 44						1.58 (0.82-	3.05)	
45	VOZORI 2	c	-	-	-	1.00 (0.80-	1.20)	
46	DING 2	f	-	-	-	1.52 (1.01-	2.27)	
47	GALLO 17	c	-	-	-	1.99 (0.92-	4.29)	
49	JEFFER 2	c	-	-	-	2.41 (1.04-	5.59)	
50	PEINEM 1	c	33	379	95	1387	1.27 (0.84-	1.92)
51	CHEN2 1	c	133	675	272	1601	1.16 (0.93-	1.45)
52	HE3 2	m	-	-	-	-	2.24 (0.76-	6.59)
52	HE3 4	f	-	-	-	-	2.10 (0.69-	6.33)
Subtotal 52							2.17 (1.00-	4.70)
53	CLARK 4	m	-	-	-	-	1.98 (1.00-	3.93)
53	CLARK 3	f	-	-	-	-	0.94 (0.67-	1.32)
Subtotal 53							1.09 (0.80-	1.48)
54	TROMSO 2	m	-	-	-	-	0.91 (0.61-	1.35)
54	TROMSO 16	f	-	-	-	-	1.42 (1.06-	1.90)
Subtotal 54							1.21 (0.96-	1.54)
55	KASTOR 2	c	-	-	-	-	4.33 (1.52-	12.38)
56	HALS2 2	m	-	-	-	-	1.26 (0.37-	4.31)
56	HALS2 4	f	-	-	-	-	1.12 (0.55-	2.28)
Subtotal 56							1.15 (0.62-	2.13)
Partial Totals		306	1368	825	4487			

*prospective study

StN	Ref	NRR	SEX	EXP	TYS	Ws	Qs	Ps
1	HIRAYA	6	f	s	0.15	87.29	0.12	0.1655
2	GARLAN	4	f	s	0.81	1.01	0.50	0.4145
3	LEE	2	m	s	0.22	6.59	0.07	0.5808
3	LEE	4	f	s	-0.07	12.04	0.40	0.8012
Subtotal 3					0.03	18.63	0.48	
4	MARTIN	1	f	s	0.96	6.33	4.52	0.0162
5	SVENDS	2	m	s	0.48	14.27	1.91	0.0720
6	BUTLER	4	f	s	0.34	3.77	0.19	0.5135
8	HOLE	3	m	h	0.55	13.29	2.54	0.0457
8	HOLE	2	f	h	0.50	7.04	1.07	0.1838
Subtotal 8					0.53	20.33	3.62	
9	JACKSO	4	m	h	0.06	3.80	0.01	0.9095
9	JACKSO	2	f	h	1.32	2.76	4.03	0.0285
Subtotal 9					0.59	6.56	4.04	
10	SANDLE	2	m	h	0.27	77.28	1.96	0.0176
10	SANDLE	4	f	h	0.17	213.52	0.86	0.0110
Subtotal 10					0.20	290.80	2.82	
11	HUMBLE	1	f	s	0.46	16.88	2.11	0.0567
12	DOBSON	4	m	h	-0.03	8.90	0.18	0.9276
12	DOBSON	2	f	h	0.90	14.40	8.98	0.0006
Subtotal 12					0.54	23.30	9.15	
13	GARDIN	2	c	s	-0.56	3.13	1.42	0.3198
14	LAVECC	6	m	s	0.09	3.68	0.00	0.8687
14	LAVECC	4	f	s	0.31	3.25	0.13	0.5795
Subtotal 14					0.19	6.93	0.13	
15	LAYARD	2	m	s	-0.03	48.72	0.97	0.8316
15	LAYARD	10	f	s	-0.01	147.49	2.15	0.9029
Subtotal 15					-0.02	196.21	3.12	

 Within each study, 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), in last 10 years (t)
- 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), 28-JAN-15
 Overall - adjusted

Overall

StN	Ref	NRR	SEX	EXP	TYS	Ws	Qs	Ps
16	LEVOIS	2	m	s	-0.02	660.03	11.29	0.6037
16	LEVOIS	7	f	s	0.04	1659.41	8.45	0.1101
Subtotal 16					0.02	2319.43	19.74	
18	MUSCAT	1	m	s	0.32	8.14	0.37	0.3546
18	MUSCAT	2	f	s	0.28	5.82	0.17	0.4970
Subtotal 18					0.31	13.96	0.54	
19	TUNSTA	2	c	t	0.29	77.54	2.57	0.0100
20	STEENL	1	m	s	0.20	212.64	1.66	0.0037
20	STEENL	2	f	s	0.10	196.22	0.05	0.1818
Subtotal 20					0.15	408.86	1.70	
21	JANGHO	1	f	s	0.32	27.39	1.22	0.0922
22	KAWACH	11	f	h	0.43	9.45	0.94	0.1912
23	CIRUZZ	7	m	s	0.17	6.63	0.02	0.6699
23	CIRUZZ	8	f	s	0.55	8.71	1.67	0.1058
Subtotal 23					0.38	15.34	1.69	
24	MCELDU	4	m	t	-0.20	24.21	2.31	0.3288
24	MCELDU	2	f	t	0.77	10.66	4.57	0.0124
Subtotal 24					0.10	34.87	6.88	
26	HE1	2	f	s	0.47	12.11	1.56	0.1020
27	IRIBAR	4	m	h	0.12	268.97	0.04	0.0450
27	IRIBAR	19	f	h	0.18	495.01	2.55	0.0000
Subtotal 27					0.16	763.97	2.58	
28	ROSENL	4	m	s	-0.02	13.01	0.22	0.9419
28	ROSENL	16	f	s	0.95	7.55	5.34	0.0089
Subtotal 28					0.34	20.56	5.56	
29	PITSAV	9	c	h	0.29	23.73	0.72	0.1648
30	ENSTRO	15	m	s	-0.08	207.79	7.82	0.2294
30	ENSTRO	31	f	s	-0.03	502.87	10.00	0.4946
Subtotal 30					-0.05	710.67	17.82	
31	CHEN	10	c	h	0.18	11.72	0.06	0.5326
32	NISHTA	3	c	s	0.87	5.64	3.23	0.0395
34	MCGHEE	1	m	h	0.26	24.91	0.57	0.1904
34	MCGHEE	2	f	h	0.33	26.31	1.26	0.0912
Subtotal 34					0.30	51.22	1.83	
35	QURESH	1	f	s	0.05	54.13	0.21	0.7196
37	STRANG	25	m	h	-0.35	12.36	2.59	0.2222
37	STRANG	17	f	h	-0.07	8.71	0.27	0.8444
Subtotal 37					-0.23	21.07	2.86	
38	TEO	1	c	t	0.31	656.19	27.37	0.0000
39	WEN	18	f	s	0.17	32.54	0.13	0.3211
41	HILL1	2	m	h	0.04	137.04	0.70	0.6461
41	HILL1	4	f	h	-0.02	130.35	2.23	0.8176
Subtotal 41					0.01	267.40	2.93	
42	HILL2	2	m	h	0.17	93.46	0.28	0.1096
42	HILL2	4	f	h	0.24	55.32	0.91	0.0754
Subtotal 42					0.19	148.79	1.19	
43	HE2	8	f	t	0.52	59.24	10.16	0.0001
44	SULO	2	m	s	0.52	7.26	1.21	0.1622
44	SULO	4	f	s	0.17	1.58	0.01	0.8268
Subtotal 44					0.46	8.84	1.22	
45	VOZORI	2	c	t	0.00	93.46	1.14	1.0000
46	DING	2	f	h	0.42	23.43	2.22	0.0427
47	GALLO	17	c	s	0.69	6.48	2.16	0.0798
49	JEFFER	2	c	s	0.88	5.43	3.21	0.0403
50	PEINEM	1	c	t	0.24	22.63	0.38	0.2536
51	CHEN2	1	c	t	0.15	75.18	0.11	0.1987
52	HE3	2	m	t	0.81	3.29	1.59	0.1433
52	HE3	4	f	t	0.74	3.13	1.25	0.1894
Subtotal 52					0.78	6.42	2.84	
53	CLARK	4	m	h	0.68	8.20	2.69	0.0504
53	CLARK	3	f	h	-0.06	33.42	0.99	0.7206
Subtotal 53					0.08	41.62	3.68	
54	TROMSO	2	m	h	-0.09	24.35	1.02	0.6417
54	TROMSO	16	f	h	0.35	45.12	2.60	0.0185
Subtotal 54					0.19	69.47	3.62	

 Within each study, 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), in last 10 years (t)
- 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), 28-JAN-15
 Overall - adjusted

Overall

StN	Ref	NRR	SEX	EXP	Tys	Ws	Qs	Ps
55	KASTOR	2	c	t	1.47	3.49	6.41	0.0062
56	HALS2	2	m	h	0.23	2.55	0.04	0.7121
56	HALS2	4	f	h	0.11	7.60	0.00	0.7547
Subtotal 56					0.14	10.15	0.04	

Relative risks

	N	73
	NS	49
	Wt	6807.87
Het	Chi	174.67
Het	df	72
Het	P	***
Fixed	RR	1.12
	RRl	1.09
	RRu	1.14
	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), in last 10 years (t)
- 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), 28-JAN-15
 Overall - unadjusted

Overall		Number Exposed		Non-exposed		RR	95.00%CI
StN	Ref	SCase	Cont	Case	Cont		
1	HIRAYA 3	f	376	69645	118	21895	1.00 (0.82- 1.23)
2	GARLAN 2	f	2	97	2	203	2.09 (0.30- 14.64)
3	LEE 1	m	15	40	26	93	1.34 (0.64- 2.80)
3	LEE 3	f	55	229	22	89	0.97 (0.56- 1.69)
Subtotal 3							1.09 (0.70- 1.70)
4	MARTIN 1	f	-	-	-	-	2.60 (1.20- 5.70)
5	SVENDS 1	m	21	286	48	959	1.47 (0.89- 2.41)
6	BUTLER 3	f	4	2487	60	43053	1.15 (0.42- 3.17)
8	HOLE 3	m	-	-	-	-	1.73 (1.01- 2.96)
8	HOLE 2	f	-	-	-	-	1.65 (0.79- 3.46)
Subtotal 8							1.70 (1.10- 2.63)
9	JACKSO 3	m	-	-	-	-	1.10 (0.40- 3.00)
9	JACKSO 1	f	-	-	-	-	4.00 (1.35- 13.10)
Subtotal 9							1.94 (0.91- 4.13)
10	SANDLE 1	m	122	1248	248	2914	1.15 (0.93- 1.41)
10	SANDLE 3	f	551	9551	437	5322	0.70 (0.62- 0.79)
Subtotal 10							0.80 (0.72- 0.88)
11	HUMBLE 1	f	-	-	-	-	1.59 (0.99- 2.57)
12	DOBSON 3	m	22	34	161	259	1.04 (0.59- 1.84)
12	DOBSON 1	f	43	99	117	433	1.61 (1.06- 2.43)
Subtotal 12							1.39 (0.99- 1.93)
13	GARDIN 1	c	4	14	8	10	0.36 (0.08- 1.52)
14	LAVECC 5	m	7	17	55	140	1.05 (0.41- 2.67)
14	LAVECC 3	f	17	20	11	17	1.31 (0.48- 3.56)
Subtotal 14							1.16 (0.59- 2.30)
15	LAYARD 1	m	97	215	378	783	0.93 (0.71- 1.22)
15	LAYARD 9	f	455	961	459	969	1.00 (0.85- 1.17)
Subtotal 15							0.98 (0.86- 1.13)
16	LEVOIS 2	m	-	-	-	-	0.98 (0.91- 1.06)
16	LEVOIS 7	f	-	-	-	-	1.04 (0.99- 1.09)
Subtotal 16							1.02 (0.98- 1.07)
18	MUSCAT 1	m	20	25	48	83	1.38 (0.70- 2.75)
18	MUSCAT 2	f	28	27	18	23	1.33 (0.59- 2.99)
Subtotal 18							1.36 (0.80- 2.30)
19	TUNSTA 1	c	329	1216	99	483	1.32 (1.03- 1.69)
20	STEENL 1	m	-	-	-	-	1.22 (1.07- 1.40)
20	STEENL 2	f	-	-	-	-	1.10 (0.96- 1.27)
Subtotal 20							1.16 (1.05- 1.28)
21	JANGHO 1	f	63	100	137	300	1.38 (0.95- 2.01)
22	KAWACH 11	f	-	-	-	-	1.53 (0.81- 2.90)
23	CIRUZZ 5	m	15	22	141	206	1.00 (0.50- 1.99)
23	CIRUZZ 6	f	29	25	151	193	1.48 (0.83- 2.64)
Subtotal 23							1.26 (0.81- 1.96)
24	MCELDU 3	m	53	172	145	373	0.79 (0.55- 1.14)
24	MCELDU 1	f	31	147	54	479	1.87 (1.16- 3.02)
Subtotal 24							1.08 (0.81- 1.45)
26	HE1 1	f	76	95	39	113	2.32 (1.44- 3.72)
27	IRIBAR 4	m	-	-	-	-	1.13 (1.00- 1.27)
27	IRIBAR 19	f	-	-	-	-	1.20 (1.09- 1.30)
Subtotal 27							1.17 (1.09- 1.26)
28	ROSENL 3	m	27	51	141	285	1.07 (0.64- 1.78)
28	ROSENL 15	f	21	24	59	144	2.14 (1.10- 4.13)
Subtotal 28							1.38 (0.93- 2.07)
29	PITSAV 9	c	-	-	-	-	1.33 (0.89- 1.99)
30	ENSTRO 7	m	-	-	-	-	0.94 (0.83- 1.07)
30	ENSTRO 23	f	-	-	-	-	1.01 (0.93- 1.09)
Subtotal 30							0.99 (0.93- 1.06)
31	CHEN 10	c	-	-	-	-	1.20 (0.70- 2.20)
32	NISHTA 3	c	-	-	-	-	2.38 (1.04- 5.42)
34	MCGHEE 5	m	74	71	285	347	1.27 (0.88- 1.82)
34	MCGHEE 6	f	113	150	112	195	1.31 (0.94- 1.84)
Subtotal 34							1.29 (1.01- 1.65)
35	QURESH 2	f	140	1823	79	1209	1.18 (0.90- 1.53)
37	STRANG 25	m	18	58	177	403	0.71 (0.40- 1.23)
37	STRANG 17	f	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), in last 10 years (t)
- 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), 28-JAN-15
 Overall - unadjusted

Overall		Number Exposed		Non-exposed		RR	95.00%CI	
StN	Ref NRR	SCase	Cont	Case	Cont			
Subtotal 37						0.79 (0.52-	1.22)	
38	TEO 1	c	-	-	-	1.37 (1.27-	1.48)	
39	WEN 18	f	-	-	-	1.19 (0.84-	1.67)	
41	HILL1 1	m	-	-	-	1.00 (0.85-	1.18)	
41	HILL1 3	f	-	-	-	0.98 (0.83-	1.15)	
Subtotal 41						0.99 (0.88-	1.11)	
42	HILL2 1	m	-	-	-	1.07 (0.86-	1.32)	
42	HILL2 3	f	-	-	-	1.26 (0.98-	1.63)	
Subtotal 42						1.15 (0.97-	1.35)	
43	HE2 1	f	200	277	231	501	1.57 (1.23-	1.99)
44	SULO 1	m	-	-	-	-	1.76 (0.98-	3.18)
44	SULO 3	f	-	-	-	-	1.05 (0.48-	2.30)
Subtotal 44							1.46 (0.91-	2.34)
45	VOZORI 1	c	293	11991	1480	34776	0.57 (0.51-	0.65)
46	DING 1	f	95	65	219	254	1.70 (1.18-	2.44)
47	GALLO 17	c	-	-	-	-	1.99 (0.92-	4.29)
49	JEFFER 1	c	-	-	-	-	2.17 (0.97-	4.84)
50	PEINEM 1	c	33	379	95	1387	1.27 (0.84-	1.92)
51	CHEN2 1	c	133	675	272	1601	1.16 (0.93-	1.45)
52	HE3 1	m	14	271	5	168	1.74 (0.64-	4.73)
52	HE3 3	f	18	340	4	131	1.73 (0.60-	5.03)
Subtotal 52							1.73 (0.84-	3.60)
53	CLARK 2	m	10	2115	76	34308	2.13 (1.11-	4.12)
53	CLARK 1	f	44	30877	181	94122	0.74 (0.53-	1.03)
Subtotal 53							0.92 (0.68-	1.23)
54	TROMSO 1	m	-	-	-	-	0.95 (0.66-	1.37)
54	TROMSO 15	f	-	-	-	-	1.35 (1.00-	1.81)
Subtotal 54							1.17 (0.93-	1.48)
55	KASTOR 1	c	32	37	20	62	2.68 (1.34-	5.35)
56	HALS2 1	m	-	-	-	-	1.35 (0.46-	3.94)
56	HALS2 3	f	-	-	-	-	1.13 (0.56-	2.29)
Subtotal 56							1.19 (0.66-	2.15)
Partial Totals			3711	136080	6496	249975		
*prospective study								

StN	Ref	NRR	SEX	EXP	Tys	Ws	Qs	Ps
1	HIRAYA	3	f	s	0.00	90.30	0.39	0.9867
2	GARLAN	2	f	s	0.74	1.02	0.46	0.4568
3	LEE	1	m	s	0.29	7.10	0.36	0.4340
3	LEE	3	f	s	-0.03	12.62	0.12	0.9185
Subtotal 3					0.09	19.72	0.48	
4	MARTIN	1	f	s	0.96	6.33	4.99	0.0162
5	SVENDS	1	m	s	0.38	15.65	1.56	0.1296
6	BUTLER	3	f	s	0.14	3.76	0.02	0.7812
8	HOLE	3	m	h	0.55	13.29	3.07	0.0457
8	HOLE	2	f	h	0.50	7.04	1.32	0.1838
Subtotal 8					0.53	20.33	4.40	
9	JACKSO	3	m	h	0.10	3.78	0.00	0.8529
9	JACKSO	1	f	h	1.39	2.98	5.18	0.0168
Subtotal 9					0.66	6.76	5.18	
10	SANDLE	1	m	h	0.14	90.22	0.46	0.1881
10	SANDLE	3	f	h	-0.35	262.43	46.32	0.0000
Subtotal 10					-0.23	352.64	46.78	
11	HUMBLE	1	f	s	0.46	16.88	2.66	0.0567
12	DOBSON	3	m	h	0.04	11.77	0.01	0.8905
12	DOBSON	1	f	h	0.47	22.62	3.76	0.0240
Subtotal 12					0.33	34.39	3.76	
13	GARDIN	1	c	s	-1.03	1.83	2.20	0.1637
14	LAVECC	5	m	s	0.05	4.41	0.00	0.9214
14	LAVECC	3	f	s	0.27	3.87	0.16	0.5916
Subtotal 14					0.15	8.27	0.17	
15	LAYARD	1	m	s	-0.07	52.96	0.96	0.6223
15	LAYARD	9	f	s	-0.00	155.06	0.71	0.9954
Subtotal 15					-0.02	208.02	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), in last 10 years (t)
- 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), 28-JAN-15
 Overall - unadjusted

Overall

StN	Ref	NRR	SEX	EXP	Tys	Ws	Qs	Ps	
16	LEVOIS	2	m	s	-0.02	660.03	5.04	0.6037	
16	LEVOIS	7	f	s	0.04	1659.41	1.29	0.1101	
Subtotal 16						0.02	2319.43	6.33	
18	MUSCAT	1	m	s	0.32	8.14	0.54	0.3546	
18	MUSCAT	2	f	s	0.28	5.82	0.27	0.4970	
Subtotal 18						0.31	13.96	0.81	
19	TUNSTA	1	c	t	0.28	62.37	2.76	0.0283	
20	STEENL	1	m	s	0.20	212.64	3.69	0.0037	
20	STEENL	2	f	s	0.10	196.22	0.16	0.1818	
Subtotal 20						0.15	408.86	3.84	
21	JANGHO	1	f	s	0.32	27.39	1.78	0.0922	
22	KAWACH	11	f	h	0.43	9.45	1.21	0.1912	
23	CIRUZZ	5	m	s	-0.00	8.06	0.04	0.9912	
23	CIRUZZ	6	f	s	0.39	11.59	1.24	0.1800	
Subtotal 23						0.23	19.65	1.28	
24	MCELDU	3	m	t	-0.23	29.19	2.62	0.2093	
24	MCELDU	1	f	t	0.63	16.76	5.24	0.0104	
Subtotal 24						0.08	45.95	7.86	
26	HE1	1	f	s	0.84	17.19	10.29	0.0005	
27	IRIBAR	4	m	h	0.12	268.97	0.82	0.0450	
27	IRIBAR	19	f	h	0.18	495.01	6.57	0.0000	
Subtotal 27						0.16	763.97	7.38	
28	ROSENL	3	m	s	0.07	14.87	0.00	0.7939	
28	ROSENL	15	f	s	0.76	8.84	4.23	0.0241	
Subtotal 28						0.33	23.71	4.23	
29	PITSAV	9	c	h	0.29	23.73	1.13	0.1648	
30	ENSTRO	7	m	s	-0.06	238.19	3.97	0.3396	
30	ENSTRO	23	f	s	0.01	609.73	1.99	0.8059	
Subtotal 30						-0.01	847.92	5.96	
31	CHEN	10	c	h	0.18	11.72	0.16	0.5326	
32	NISHTA	3	c	s	0.87	5.64	3.61	0.0395	
34	MCGHEE	5	m	h	0.24	29.42	0.86	0.1963	
34	MCGHEE	6	f	h	0.27	33.81	1.41	0.1147	
Subtotal 34						0.26	63.24	2.27	
35	QURESH	2	f	s	0.16	54.27	0.48	0.2341	
37	STRANG	25	m	h	-0.35	12.36	2.12	0.2222	
37	STRANG	17	f	h	-0.07	8.71	0.16	0.8444	
Subtotal 37						-0.23	21.07	2.28	
38	TEO	1	c	t	0.31	656.19	40.25	0.0000	
39	WEN	18	f	s	0.17	32.54	0.37	0.3211	
41	HILL1	1	m	h	0.00	142.80	0.64	1.0000	
41	HILL1	3	f	h	-0.02	144.50	1.10	0.8081	
Subtotal 41						-0.01	287.30	1.75	
42	HILL2	1	m	h	0.07	83.70	0.00	0.5359	
42	HILL2	3	f	h	0.23	59.36	1.60	0.0750	
Subtotal 42						0.14	143.06	1.60	
43	HE2	1	f	t	0.45	66.96	9.74	0.0002	
44	SULO	1	m	s	0.57	11.09	2.75	0.0598	
44	SULO	3	f	s	0.05	6.26	0.00	0.9029	
Subtotal 44						0.38	17.35	2.75	
45	VOZORI	1	c	t	-0.55	238.05	92.10	0.0000	
46	DING	1	f	h	0.53	29.06	6.16	0.0044	
47	GALLO	17	c	s	0.69	6.48	2.50	0.0798	
49	JEFFER	1	c	s	0.77	5.95	2.98	0.0588	
50	PEINEM	1	c	t	0.24	22.63	0.68	0.2536	
51	CHEN2	1	c	t	0.15	75.18	0.49	0.1987	
52	HE3	1	m	t	0.55	3.82	0.90	0.2811	
52	HE3	3	f	t	0.55	3.39	0.79	0.3109	
Subtotal 52						0.55	7.21	1.69	
53	CLARK	2	m	h	0.76	8.88	4.24	0.0239	
53	CLARK	1	f	h	-0.30	35.45	4.77	0.0743	
Subtotal 53						-0.09	44.33	9.01	
54	TROMSO	1	m	h	-0.05	28.81	0.40	0.7831	
54	TROMSO	15	f	h	0.30	43.65	2.37	0.0474	
Subtotal 54						0.16	72.46	2.77	

 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), in last 10 years (t)
- 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), 28-JAN-15
 Overall - unadjusted

Overall

StN	Ref	NRR	SEX	EXP	Tys	Ws	Qs	Ps
55	KASTOR	1	c	t	0.99	8.04	6.79	0.0052
56	HALS2	1	m	h	0.30	3.33	0.18	0.5839
56	HALS2	3	f	h	0.12	7.75	0.02	0.7337
Subtotal 56					0.18	11.08	0.20	

Relative risks

	N	73
	NS	49
	Wt	7249.27
	Het Chi	320.20
	Het df	72
	Het P	***
Fixed	RR	1.07
	RRl	1.05
	RRu	1.09
	P	+++
Random	RR	1.17
	RRl	1.10
	RRu	1.25
	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), in last 10 years (t)
- 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), 28-JAN-15
 By sex - adjusted

combined

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
13	GARDIN	2	c	-	-	-	0.57	(0.19- 1.74)
19	TUNSTA	2	c	-	-	-	1.34	(1.07- 1.67)
29	PITSAV	9	c	-	-	-	1.33	(0.89- 1.99)
31	CHEN	10	c	-	-	-	1.20	(0.70- 2.20)
32	NISHTA	3	c	-	-	-	2.38	(1.04- 5.42)
38	TEO	1	c	-	-	-	1.37	(1.27- 1.48)
45	VOZORI	2	c	-	-	-	1.00	(0.80- 1.20)
47	GALLO	17	c	-	-	-	1.99	(0.92- 4.29)
49	JEFFER	2	c	-	-	-	2.41	(1.04- 5.59)
50	PEINEM	1	c	33	379	95	1387	1.27 (0.84- 1.92)
51	CHEN2	1	c	133	675	272	1601	1.16 (0.93- 1.45)
55	KASTOR	2	c	-	-	-	-	4.33 (1.52- 12.38)
Partial Totals			166	1054	367	2988		

*prospective study

male

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
3	LEE	2	m	-	-	-	1.24	(0.58- 2.67)
5	SVENDS	2	m	-	-	-	1.61	(0.96- 2.71)
8	HOLE	3	m	-	-	-	1.73	(1.01- 2.96)
9	JACKSO	4	m	-	-	-	1.06	(0.39- 2.91)
10	SANDLE	2	m	-	-	-	1.31	(1.05- 1.64)
12	DOBSON	4	m	-	-	-	0.97	(0.50- 1.86)
14	LAVECC	6	m	-	-	-	1.09	(0.39- 3.01)
15	LAYARD	2	m	-	-	-	0.97	(0.73- 1.28)
16	LEVOIS	2	m	-	-	-	0.98	(0.91- 1.06)
18	MUSCAT	1	m	20	25	48	83	1.38 (0.70- 2.75)
20	STEENL	1	m	-	-	-	1.22	(1.07- 1.40)
23	CIRUZZ	7	m	-	-	-	1.18	(0.55- 2.52)
24	MCELDU	4	m	-	-	-	0.82	(0.55- 1.22)
27	IRIBAR	4	m	-	-	-	1.13	(1.00- 1.27)
28	ROSENL	4	m	-	-	-	0.98	(0.57- 1.69)
30	ENSTRO	15	m	-	-	-	0.92	(0.80- 1.05)
34	MCGHEE	1	m	-	-	-	1.30	(0.88- 1.93)
37	STRANG	25	m	18	58	177	403	0.71 (0.40- 1.23)
41	HILL1	2	m	-	-	-	1.04	(0.88- 1.23)
42	HILL2	2	m	-	-	-	1.18	(0.96- 1.44)
44	SULO	2	m	-	-	-	1.68	(0.81- 3.47)
52	HE3	2	m	-	-	-	2.24	(0.76- 6.59)
53	CLARK	4	m	-	-	-	1.98	(1.00- 3.93)
54	TROMSO	2	m	-	-	-	0.91	(0.61- 1.35)
56	HALS2	2	m	-	-	-	1.26	(0.37- 4.31)
Partial Totals			38	83	225	486		

*prospective study

female

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
1	HIRAYA	6	f	-	-	-	1.16	(0.94- 1.43)
2	GARLAN	4	f	-	-	-	2.25	(0.32- 15.74)
3	LEE	4	f	-	-	-	0.93	(0.53- 1.64)
4	MARTIN	1	f	-	-	-	2.60	(1.20- 5.70)
6	BUTLER	4	f	-	-	-	1.40	(0.51- 3.84)
8	HOLE	2	f	-	-	-	1.65	(0.79- 3.46)
9	JACKSO	2	f	-	-	-	3.74	(1.15- 12.19)
10	SANDLE	4	f	-	-	-	1.19	(1.04- 1.36)
11	HUMBLE	1	f	-	-	-	1.59	(0.99- 2.57)
12	DOBSON	2	f	-	-	-	2.46	(1.47- 4.13)
14	LAVECC	4	f	-	-	-	1.36	(0.46- 4.05)
15	LAYARD	10	f	-	-	-	0.99	(0.84- 1.16)
16	LEVOIS	7	f	-	-	-	1.04	(0.99- 1.09)
18	MUSCAT	2	f	28	27	18	23	1.33 (0.59- 2.99)
20	STEENL	2	f	-	-	-	1.10	(0.96- 1.27)
21	JANGHO	1	f	63	100	137	300	1.38 (0.95- 2.01)

 Within each study, 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), in last 10 years (t)
- 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), 28-JAN-15
 By sex - adjusted

female

StN	Ref	NRR	Number SCase	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
22	KAWACH	11	f	-	-	-	1.53	(0.81- 2.90)
23	CIRUZZ	8	f	-	-	-	1.73	(0.89- 3.36)
24	MCELDU	2	f	-	-	-	2.15	(1.18- 3.92)
26	HE1	2	f	-	-	-	1.60	(0.94- 2.90)
27	IRIBAR	19	f	-	-	-	1.20	(1.09- 1.30)
28	ROSENL	16	f	-	-	-	2.59	(1.27- 5.29)
30	ENSTRO	31	f	-	-	-	0.97	(0.89- 1.06)
34	MCGHEE	2	f	-	-	-	1.39	(0.95- 2.04)
35	QURESH	1	f	-	-	-	1.05	(0.81- 1.38)
37	STRANG	17	f	11	104	78	690	0.94 (0.48- 1.82)
39	WEN	18	f	-	-	-	-	1.19 (0.84- 1.67)
41	HILL1	4	f	-	-	-	-	0.98 (0.83- 1.17)
42	HILL2	4	f	-	-	-	-	1.27 (0.98- 1.66)
43	HE2	8	f	-	-	-	-	1.69 (1.31- 2.18)
44	SULO	4	f	-	-	-	-	1.19 (0.25- 5.64)
46	DING	2	f	-	-	-	-	1.52 (1.01- 2.27)
52	HE3	4	f	-	-	-	-	2.10 (0.69- 6.33)
53	CLARK	3	f	-	-	-	-	0.94 (0.67- 1.32)
54	TROMSO	16	f	-	-	-	-	1.42 (1.06- 1.90)
56	HALS2	4	f	-	-	-	-	1.12 (0.55- 2.28)
Partial Totals			102	231	233	1013		

*prospective study

	combined	male	female	Total
Relative risks				
N	12	25	36	73
NS	12	25	36	73
Wt	984.63	1891.39	3931.85	6807.87
Het Chi	21.69	37.05	82.70	174.67
Het df	11	24	35	72
Het P	*	*	***	***
Fixed RR	1.32	1.06	1.10	1.12
RRl	1.24	1.01	1.06	1.09
RRu	1.40	1.11	1.13	1.14
P	+++	+	+++	+++
Random RR	1.30	1.10	1.22	1.19
RRl	1.14	1.02	1.13	1.13
RRu	1.50	1.18	1.31	1.26
P	+++	+	+++	+++
Asymm P	N.S.	(*)	***	***
Between Chi		30.61	26.27	33.22
Between df		1	1	2
Between P		---	---	***

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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), 28-JAN-15
 By sex - unadjusted

combined

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
13	GARDIN	1	c	4	14	8	10	0.36 (0.08- 1.52)
19	TUNSTA	1	c	329	1216	99	483	1.32 (1.03- 1.69)
29	PITSAV	9	c	-	-	-	-	1.33 (0.89- 1.99)
31	CHEN	10	c	-	-	-	-	1.20 (0.70- 2.20)
32	NISHTA	3	c	-	-	-	-	2.38 (1.04- 5.42)
38	TEO	1	c	-	-	-	-	1.37 (1.27- 1.48)
45	VOZORI	1	c	293	11991	1480	34776	0.57 (0.51- 0.65)
47	GALLO	17	c	-	-	-	-	1.99 (0.92- 4.29)
49	JEFFER	1	c	-	-	-	-	2.17 (0.97- 4.84)
50	PEINEM	1	c	33	379	95	1387	1.27 (0.84- 1.92)
51	CHEN2	1	c	133	675	272	1601	1.16 (0.93- 1.45)
55	KASTOR	1	c	32	37	20	62	2.68 (1.34- 5.35)
Partial Totals				824	14312	1974	38319	

*prospective study

male

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
3	LEE	1	m	15	40	26	93	1.34 (0.64- 2.80)
5	SVENDS	1	m	21	286	48	959	1.47 (0.89- 2.41)
8	HOLE	3	m	-	-	-	-	1.73 (1.01- 2.96)
9	JACKSO	3	m	-	-	-	-	1.10 (0.40- 3.00)
10	SANDLE	1	m	122	1248	248	2914	1.15 (0.93- 1.41)
12	DOBSON	3	m	22	34	161	259	1.04 (0.59- 1.84)
14	LAVECC	5	m	7	17	55	140	1.05 (0.41- 2.67)
15	LAYARD	1	m	97	215	378	783	0.93 (0.71- 1.22)
16	LEVOIS	2	m	-	-	-	-	0.98 (0.91- 1.06)
18	MUSCAT	1	m	20	25	48	83	1.38 (0.70- 2.75)
20	STEENL	1	m	-	-	-	-	1.22 (1.07- 1.40)
23	CIRUZZ	5	m	15	22	141	206	1.00 (0.50- 1.99)
24	MCELDU	3	m	53	172	145	373	0.79 (0.55- 1.14)
27	IRIBAR	4	m	-	-	-	-	1.13 (1.00- 1.27)
28	ROSENL	3	m	27	51	141	285	1.07 (0.64- 1.78)
30	ENSTRO	7	m	-	-	-	-	0.94 (0.83- 1.07)
34	MCGHEE	5	m	74	71	285	347	1.27 (0.88- 1.82)
37	STRANG	25	m	18	58	177	403	0.71 (0.40- 1.23)
41	HILL1	1	m	-	-	-	-	1.00 (0.85- 1.18)
42	HILL2	1	m	-	-	-	-	1.07 (0.86- 1.32)
44	SULO	1	m	-	-	-	-	1.76 (0.98- 3.18)
52	HE3	1	m	14	271	5	168	1.74 (0.64- 4.73)
53	CLARK	2	m	10	2115	76	34308	2.13 (1.11- 4.12)
54	TROMSO	1	m	-	-	-	-	0.95 (0.66- 1.37)
56	HALS2	1	m	-	-	-	-	1.35 (0.46- 3.94)
Partial Totals				515	4625	1934	41321	

*prospective study

female

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
1	HIRAYA	3	f	376	69645	118	21895	1.00 (0.82- 1.23)
2	GARLAN	2	f	2	97	2	203	2.09 (0.30- 14.64)
3	LEE	3	f	55	229	22	89	0.97 (0.56- 1.69)
4	MARTIN	1	f	-	-	-	-	2.60 (1.20- 5.70)
6	BUTLER	3	f	4	2487	60	43053	1.15 (0.42- 3.17)
8	HOLE	2	f	-	-	-	-	1.65 (0.79- 3.46)
9	JACKSO	1	f	-	-	-	-	4.00 (1.35- 13.10)
10	SANDLE	3	f	551	9551	437	5322	0.70 (0.62- 0.79)
11	HUMBLE	1	f	-	-	-	-	1.59 (0.99- 2.57)
12	DOBSON	1	f	43	99	117	433	1.61 (1.06- 2.43)
14	LAVECC	3	f	17	20	11	17	1.31 (0.48- 3.56)
15	LAYARD	9	f	455	961	459	969	1.00 (0.85- 1.17)
16	LEVOIS	7	f	-	-	-	-	1.04 (0.99- 1.09)
18	MUSCAT	2	f	28	27	18	23	1.33 (0.59- 2.99)
20	STEENL	2	f	-	-	-	-	1.10 (0.96- 1.27)
21	JANGHO	1	f	63	100	137	300	1.38 (0.95- 2.01)

 Within each study, 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), in last 10 years (t)
- 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), 28-JAN-15
 By sex - unadjusted

female

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
22	KAWACH	11	f -	-	-	-	1.53	(0.81- 2.90)
23	CIRUZZ	6	f 29	25	151	193	1.48	(0.83- 2.64)
24	MCELDU	1	f 31	147	54	479	1.87	(1.16- 3.02)
26	HE1	1	f 76	95	39	113	2.32	(1.44- 3.72)
27	IRIBAR	19	f -	-	-	-	1.20	(1.09- 1.30)
28	ROSEN1	15	f 21	24	59	144	2.14	(1.10- 4.13)
30	ENSTRO	23	f -	-	-	-	1.01	(0.93- 1.09)
34	MCGHEE	6	f 113	150	112	195	1.31	(0.94- 1.84)
35	QURESH	2	f 140	1823	79	1209	1.18	(0.90- 1.53)
37	STRANG	17	f 11	104	78	690	0.94	(0.48- 1.82)
39	WEN	18	f -	-	-	-	1.19	(0.84- 1.67)
41	HILL1	3	f -	-	-	-	0.98	(0.83- 1.15)
42	HILL2	3	f -	-	-	-	1.26	(0.98- 1.63)
43	HE2	1	f 200	277	231	501	1.57	(1.23- 1.99)
44	SULO	3	f -	-	-	-	1.05	(0.48- 2.30)
46	DING	1	f 95	65	219	254	1.70	(1.18- 2.44)
52	HE3	3	f 18	340	4	131	1.73	(0.60- 5.03)
53	CLARK	1	f 44	30877	181	94122	0.74	(0.53- 1.03)
54	TROMSO	15	f -	-	-	-	1.35	(1.00- 1.81)
56	HALS2	3	f -	-	-	-	1.13	(0.56- 2.29)
Partial Totals			2372	117143	2588	170335		

*prospective study

	combined	male	female	Total
Relative risks				
N	12	25	36	73
NS	12	25	36	73
Wt	1117.81	1963.47	4168.00	7249.27
Het Chi	152.18	34.44	129.19	320.20
Het df	11	24	35	72
Het P	***	(*)	***	***
Fixed RR	1.13	1.05	1.06	1.07
RR1	1.07	1.00	1.03	1.05
RRu	1.20	1.10	1.10	1.09
P	+++	+	+++	+++
Random RR	1.31	1.07	1.20	1.17
RR1	0.97	1.00	1.10	1.10
RRu	1.77	1.15	1.30	1.25
P	(+)	+	+++	+++
Asymm P	N.S.	(*)	**	**
Between Chi		4.10	3.29	4.39
Between df		1	1	2
Between P		-	(-)	N.S.

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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), 28-JAN-15
 By continent - adjusted

NAmerica

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
2	GARLAN	4	f	-	-	-	-	2.25	(0.32- 15.74)
4	MARTIN	1	f	-	-	-	-	2.60	(1.20- 5.70)
5	SVENDS	2	m	-	-	-	-	1.61	(0.96- 2.71)
6	BUTLER	4	f	-	-	-	-	1.40	(0.51- 3.84)
10	SANDLE	2	m	-	-	-	-	1.31	(1.05- 1.64)
10	SANDLE	4	f	-	-	-	-	1.19	(1.04- 1.36)
Subtotal 10								1.22	(1.09- 1.37)
11	HUMBLE	1	f	-	-	-	-	1.59	(0.99- 2.57)
15	LAYARD	2	m	-	-	-	-	0.97	(0.73- 1.28)
15	LAYARD	10	f	-	-	-	-	0.99	(0.84- 1.16)
Subtotal 15								0.98	(0.86- 1.13)
16	LEVOIS	2	m	-	-	-	-	0.98	(0.91- 1.06)
16	LEVOIS	7	f	-	-	-	-	1.04	(0.99- 1.09)
Subtotal 16								1.02	(0.98- 1.07)
18	MUSCAT	1	m	20	25	48	83	1.38	(0.70- 2.75)
18	MUSCAT	2	f	28	27	18	23	1.33	(0.59- 2.99)
Subtotal 18								1.36	(0.80- 2.30)
20	STEENL	1	m	-	-	-	-	1.22	(1.07- 1.40)
20	STEENL	2	f	-	-	-	-	1.10	(0.96- 1.27)
Subtotal 20								1.16	(1.05- 1.28)
22	KAWACH	11	f	-	-	-	-	1.53	(0.81- 2.90)
27	IRIBAR	4	m	-	-	-	-	1.13	(1.00- 1.27)
27	IRIBAR	19	f	-	-	-	-	1.20	(1.09- 1.30)
Subtotal 27								1.17	(1.09- 1.26)
30	ENSTRO	15	m	-	-	-	-	0.92	(0.80- 1.05)
30	ENSTRO	31	f	-	-	-	-	0.97	(0.89- 1.06)
Subtotal 30								0.96	(0.89- 1.03)
35	QURESH	1	f	-	-	-	-	1.05	(0.81- 1.38)
37	STRANG	25	m	18	58	177	403	0.71	(0.40- 1.23)
37	STRANG	17	f	11	104	78	690	0.94	(0.48- 1.82)
Subtotal 37								0.79	(0.52- 1.22)
45	VOZORI	2	c	-	-	-	-	1.00	(0.80- 1.20)
Partial Totals				77	214	321	1199		

*prospective study

Europe

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
3	LEE	2	m	-	-	-	-	1.24	(0.58- 2.67)
3	LEE	4	f	-	-	-	-	0.93	(0.53- 1.64)
Subtotal 3								1.03	(0.65- 1.62)
8	HOLE	3	m	-	-	-	-	1.73	(1.01- 2.96)
8	HOLE	2	f	-	-	-	-	1.65	(0.79- 3.46)
Subtotal 8								1.70	(1.10- 2.63)
13	GARDIN	2	c	-	-	-	-	0.57	(0.19- 1.74)
14	LAVECC	6	m	-	-	-	-	1.09	(0.39- 3.01)
14	LAVECC	4	f	-	-	-	-	1.36	(0.46- 4.05)
Subtotal 14								1.21	(0.57- 2.55)
19	TUNSTA	2	c	-	-	-	-	1.34	(1.07- 1.67)
28	ROSENL	4	m	-	-	-	-	0.98	(0.57- 1.69)
28	ROSENL	16	f	-	-	-	-	2.59	(1.27- 5.29)
Subtotal 28								1.40	(0.91- 2.16)
29	PITSAV	9	c	-	-	-	-	1.33	(0.89- 1.99)
31	CHEN	10	c	-	-	-	-	1.20	(0.70- 2.20)
44	SULO	2	m	-	-	-	-	1.68	(0.81- 3.47)
44	SULO	4	f	-	-	-	-	1.19	(0.25- 5.64)
Subtotal 44								1.58	(0.82- 3.05)
47	GALLO	17	c	-	-	-	-	1.99	(0.92- 4.29)
49	JEFFER	2	c	-	-	-	-	2.41	(1.04- 5.59)
50	PEINEM	1	c	33	379	95	1387	1.27	(0.84- 1.92)
54	TROMSO	2	m	-	-	-	-	0.91	(0.61- 1.35)
54	TROMSO	16	f	-	-	-	-	1.42	(1.06- 1.90)
Subtotal 54								1.21	(0.96- 1.54)
55	KASTOR	2	c	-	-	-	-	4.33	(1.52- 12.38)
56	HALS2	2	m	-	-	-	-	1.26	(0.37- 4.31)

 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); 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), 28-JAN-15
 By continent - adjusted

Europe

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
56	HALS2	4	f	-	-	-	1.12	(0.55-	2.28)
Subtotal 56							1.15	(0.62-	2.13)
Partial Totals			33	379	95	1387			

*prospective study

Asia

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI		
			SCase	Cont	Case	Cont				
1	HIRAYA	6	f	-	-	-	1.16	(0.94-	1.43)	
21	JANGHO	1	f	63	100	137	300	1.38	(0.95-	2.01)
26	HE1	2	f	-	-	-	1.60	(0.94-	2.90)	
32	NISHTA	3	c	-	-	-	2.38	(1.04-	5.42)	
34	MCGHEE	1	m	-	-	-	1.30	(0.88-	1.93)	
34	MCGHEE	2	f	-	-	-	1.39	(0.95-	2.04)	
Subtotal 34							1.35	(1.02-	1.77)	
39	WEN	18	f	-	-	-	1.19	(0.84-	1.67)	
43	HE2	8	f	-	-	-	1.69	(1.31-	2.18)	
46	DING	2	f	-	-	-	1.52	(1.01-	2.27)	
51	CHEN2	1	c	133	675	272	1601	1.16	(0.93-	1.45)
52	HE3	2	m	-	-	-	2.24	(0.76-	6.59)	
52	HE3	4	f	-	-	-	2.10	(0.69-	6.33)	
Subtotal 52							2.17	(1.00-	4.70)	
53	CLARK	4	m	-	-	-	1.98	(1.00-	3.93)	
53	CLARK	3	f	-	-	-	0.94	(0.67-	1.32)	
Subtotal 53							1.09	(0.80-	1.48)	
Partial Totals			196	775	409	1901				

*prospective study

Other

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
9	JACKSO	4	m	-	-	-	1.06	(0.39-	2.91)
9	JACKSO	2	f	-	-	-	3.74	(1.15-	12.19)
Subtotal 9							1.80	(0.84-	3.87)
12	DOBSON	4	m	-	-	-	0.97	(0.50-	1.86)
12	DOBSON	2	f	-	-	-	2.46	(1.47-	4.13)
Subtotal 12							1.72	(1.15-	2.59)
23	CIRUZZ	7	m	-	-	-	1.18	(0.55-	2.52)
23	CIRUZZ	8	f	-	-	-	1.73	(0.89-	3.36)
Subtotal 23							1.47	(0.89-	2.42)
24	MCELDU	4	m	-	-	-	0.82	(0.55-	1.22)
24	MCELDU	2	f	-	-	-	2.15	(1.18-	3.92)
Subtotal 24							1.10	(0.79-	1.53)
38	TEO	1	c	-	-	-	1.37	(1.27-	1.48)
41	HILL1	2	m	-	-	-	1.04	(0.88-	1.23)
41	HILL1	4	f	-	-	-	0.98	(0.83-	1.17)
Subtotal 41							1.01	(0.90-	1.14)
42	HILL2	2	m	-	-	-	1.18	(0.96-	1.44)
42	HILL2	4	f	-	-	-	1.27	(0.98-	1.66)
Subtotal 42							1.21	(1.03-	1.42)
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), in last 10 years (t)
- 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), 28-JAN-15
 By continent - adjusted

	NAmerica	Europe	Asia	Other	Total
Relative risks					
N	24	22	14	13	73
NS	16	15	11	7	49
Wt	4924.27	309.07	422.08	1152.45	6807.87
Het Chi	49.24	22.14	16.45	37.12	174.67
Het df	23	21	13	12	72
Het P	**	N.S.	N.S.	***	***
Fixed RR	1.06	1.33	1.31	1.26	1.12
RRl	1.03	1.19	1.19	1.19	1.09
RRu	1.09	1.49	1.44	1.33	1.14
P	+++	+++	+++	+++	+++
Random RR	1.08	1.33	1.33	1.24	1.19
RRl	1.03	1.18	1.19	1.07	1.13
RRu	1.14	1.50	1.49	1.44	1.26
P	++	+++	+++	++	+++
Asymm P	(*)	N.S.	*	N.S.	***
Between Chi		15.01	17.34	27.18	49.71
Between df		1	1	1	3
Between P		+++	+++	+++	***

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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), 28-JAN-15
 By continent - unadjusted

NAmerica

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
2	GARLAN	2	f 2	97	2	203	2.09	(0.30- 14.64)
4	MARTIN	1	f -	-	-	-	2.60	(1.20- 5.70)
5	SVENDS	1	m 21	286	48	959	1.47	(0.89- 2.41)
6	BUTLER	3	f 4	2487	60	43053	1.15	(0.42- 3.17)
10	SANDLE	1	m 122	1248	248	2914	1.15	(0.93- 1.41)
10	SANDLE	3	f 551	9551	437	5322	0.70	(0.62- 0.79)
Subtotal 10							0.80	(0.72- 0.88)
11	HUMBLE	1	f -	-	-	-	1.59	(0.99- 2.57)
15	LAYARD	1	m 97	215	378	783	0.93	(0.71- 1.22)
15	LAYARD	9	f 455	961	459	969	1.00	(0.85- 1.17)
Subtotal 15							0.98	(0.86- 1.13)
16	LEVOIS	2	m -	-	-	-	0.98	(0.91- 1.06)
16	LEVOIS	7	f -	-	-	-	1.04	(0.99- 1.09)
Subtotal 16							1.02	(0.98- 1.07)
18	MUSCAT	1	m 20	25	48	83	1.38	(0.70- 2.75)
18	MUSCAT	2	f 28	27	18	23	1.33	(0.59- 2.99)
Subtotal 18							1.36	(0.80- 2.30)
20	STEENL	1	m -	-	-	-	1.22	(1.07- 1.40)
20	STEENL	2	f -	-	-	-	1.10	(0.96- 1.27)
Subtotal 20							1.16	(1.05- 1.28)
22	KAWACH	11	f -	-	-	-	1.53	(0.81- 2.90)
27	IRIBAR	4	m -	-	-	-	1.13	(1.00- 1.27)
27	IRIBAR	19	f -	-	-	-	1.20	(1.09- 1.30)
Subtotal 27							1.17	(1.09- 1.26)
30	ENSTRO	7	m -	-	-	-	0.94	(0.83- 1.07)
30	ENSTRO	23	f -	-	-	-	1.01	(0.93- 1.09)
Subtotal 30							0.99	(0.93- 1.06)
35	QURESH	2	f 140	1823	79	1209	1.18	(0.90- 1.53)
37	STRANG	25	m 18	58	177	403	0.71	(0.40- 1.23)
37	STRANG	17	f 11	104	78	690	0.94	(0.48- 1.82)
Subtotal 37							0.79	(0.52- 1.22)
45	VOZORI	1	c 293	11991	1480	34776	0.57	(0.51- 0.65)
Partial Totals			1762	28873	3512	91387		

*prospective study

Europe

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
3	LEE	1	m 15	40	26	93	1.34	(0.64- 2.80)
3	LEE	3	f 55	229	22	89	0.97	(0.56- 1.69)
Subtotal 3							1.09	(0.70- 1.70)
8	HOLE	3	m -	-	-	-	1.73	(1.01- 2.96)
8	HOLE	2	f -	-	-	-	1.65	(0.79- 3.46)
Subtotal 8							1.70	(1.10- 2.63)
13	GARDIN	1	c 4	14	8	10	0.36	(0.08- 1.52)
14	LAVECC	5	m 7	17	55	140	1.05	(0.41- 2.67)
14	LAVECC	3	f 17	20	11	17	1.31	(0.48- 3.56)
Subtotal 14							1.16	(0.59- 2.30)
19	TUNSTA	1	c 329	1216	99	483	1.32	(1.03- 1.69)
28	ROSENL	3	m 27	51	141	285	1.07	(0.64- 1.78)
28	ROSENL	15	f 21	24	59	144	2.14	(1.10- 4.13)
Subtotal 28							1.38	(0.93- 2.07)
29	PITSAV	9	c -	-	-	-	1.33	(0.89- 1.99)
31	CHEN	10	c -	-	-	-	1.20	(0.70- 2.20)
44	SULO	1	m -	-	-	-	1.76	(0.98- 3.18)
44	SULO	3	f -	-	-	-	1.05	(0.48- 2.30)
Subtotal 44							1.46	(0.91- 2.34)
47	GALLO	17	c -	-	-	-	1.99	(0.92- 4.29)
49	JEFFER	1	c -	-	-	-	2.17	(0.97- 4.84)
50	PEINEM	1	c 33	379	95	1387	1.27	(0.84- 1.92)
54	TROMSO	1	m -	-	-	-	0.95	(0.66- 1.37)
54	TROMSO	15	f -	-	-	-	1.35	(1.00- 1.81)
Subtotal 54							1.17	(0.93- 1.48)
55	KASTOR	1	c 32	37	20	62	2.68	(1.34- 5.35)
56	HALS2	1	m -	-	-	-	1.35	(0.46- 3.94)

 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), in last 10 years (t)
- 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), 28-JAN-15
 By continent - unadjusted

Europe			Number Exposed		Non-exposed		RR	95.00%CI	
StN	Ref	NRR	SCase	Cont	Case	Cont			
56	HALS2	3	f	-	-	-	1.13	(0.56- 2.29)	
Subtotal 56							1.19	(0.66- 2.15)	
Partial Totals			540	2027	536	2710			
*prospective study									
Asia			Number Exposed		Non-exposed		RR	95.00%CI	
StN	Ref	NRR	SCase	Cont	Case	Cont			
1	HIRAYA	3	f	376	69645	118	21895	1.00	(0.82- 1.23)
21	JANGHO	1	f	63	100	137	300	1.38	(0.95- 2.01)
26	HE1	1	f	76	95	39	113	2.32	(1.44- 3.72)
32	NISHTA	3	c	-	-	-	-	2.38	(1.04- 5.42)
34	MCGHEE	5	m	74	71	285	347	1.27	(0.88- 1.82)
34	MCGHEE	6	f	113	150	112	195	1.31	(0.94- 1.84)
Subtotal 34							1.29	(1.01- 1.65)	
39	WEN	18	f	-	-	-	-	1.19	(0.84- 1.67)
43	HE2	1	f	200	277	231	501	1.57	(1.23- 1.99)
46	DING	1	f	95	65	219	254	1.70	(1.18- 2.44)
51	CHEN2	1	c	133	675	272	1601	1.16	(0.93- 1.45)
52	HE3	1	m	14	271	5	168	1.74	(0.64- 4.73)
52	HE3	3	f	18	340	4	131	1.73	(0.60- 5.03)
Subtotal 52							1.73	(0.84- 3.60)	
53	CLARK	2	m	10	2115	76	34308	2.13	(1.11- 4.12)
53	CLARK	1	f	44	30877	181	94122	0.74	(0.53- 1.03)
Subtotal 53							0.92	(0.68- 1.23)	
Partial Totals			1216	104681	1679	153935			
*prospective study									
Other			Number Exposed		Non-exposed		RR	95.00%CI	
StN	Ref	NRR	SCase	Cont	Case	Cont			
9	JACKSO	3	m	-	-	-	-	1.10	(0.40- 3.00)
9	JACKSO	1	f	-	-	-	-	4.00	(1.35- 13.10)
Subtotal 9							1.94	(0.91- 4.13)	
12	DOBSON	3	m	22	34	161	259	1.04	(0.59- 1.84)
12	DOBSON	1	f	43	99	117	433	1.61	(1.06- 2.43)
Subtotal 12							1.39	(0.99- 1.93)	
23	CIRUZZ	5	m	15	22	141	206	1.00	(0.50- 1.99)
23	CIRUZZ	6	f	29	25	151	193	1.48	(0.83- 2.64)
Subtotal 23							1.26	(0.81- 1.96)	
24	MCELDU	3	m	53	172	145	373	0.79	(0.55- 1.14)
24	MCELDU	1	f	31	147	54	479	1.87	(1.16- 3.02)
Subtotal 24							1.08	(0.81- 1.45)	
38	TEO	1	c	-	-	-	-	1.37	(1.27- 1.48)
41	HILL1	1	m	-	-	-	-	1.00	(0.85- 1.18)
41	HILL1	3	f	-	-	-	-	0.98	(0.83- 1.15)
Subtotal 41							0.99	(0.88- 1.11)	
42	HILL2	1	m	-	-	-	-	1.07	(0.86- 1.32)
42	HILL2	3	f	-	-	-	-	1.26	(0.98- 1.63)
Subtotal 42							1.15	(0.97- 1.35)	
Partial Totals			193	499	769	1943			
*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), 28-JAN-15
 By continent - unadjusted

	NAmerica	Europe	Asia	Other	Total
Relative risks					
N	24	22	14	13	73
NS	16	15	11	7	49
Wt	5281.28	315.66	459.03	1193.30	7249.27
Het Chi	160.35	19.88	33.23	38.34	320.20
Het df	23	21	13	12	72
Het P	***	N.S.	**	***	***
Fixed RR	1.01	1.32	1.26	1.23	1.07
RRl	0.98	1.19	1.15	1.16	1.05
RRu	1.04	1.48	1.38	1.30	1.09
P	N.S.	+++	+++	+++	+++
Random RR	1.03	1.32	1.34	1.18	1.17
RRl	0.94	1.19	1.14	1.03	1.10
RRu	1.13	1.48	1.58	1.37	1.25
P	N.S.	+++	+++	+	+++
Asymm P	N.S.	N.S.	(*)	N.S.	**
Between Chi		21.98	21.20	38.36	68.39
Between df		1	1	1	3
Between P		+++	+++	+++	***

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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), 28-JAN-15
 By publication year (grouped) - adjusted

1984-89

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			S	C	C	C		
1	HIRAYA	6	f	-	-	-	-	1.16 (0.94- 1.43)
2	GARLAN	4	f	-	-	-	-	2.25 (0.32- 15.74)
3	LEE	2	m	-	-	-	-	1.24 (0.58- 2.67)
3	LEE	4	f	-	-	-	-	0.93 (0.53- 1.64)
Subtotal 3								1.03 (0.65- 1.62)
4	MARTIN	1	f	-	-	-	-	2.60 (1.20- 5.70)
5	SVENDS	2	m	-	-	-	-	1.61 (0.96- 2.71)
6	BUTLER	4	f	-	-	-	-	1.40 (0.51- 3.84)
8	HOLE	3	m	-	-	-	-	1.73 (1.01- 2.96)
8	HOLE	2	f	-	-	-	-	1.65 (0.79- 3.46)
Subtotal 8								1.70 (1.10- 2.63)
9	JACKSO	4	m	-	-	-	-	1.06 (0.39- 2.91)
9	JACKSO	2	f	-	-	-	-	3.74 (1.15- 12.19)
Subtotal 9								1.80 (0.84- 3.87)
10	SANDLE	2	m	-	-	-	-	1.31 (1.05- 1.64)
10	SANDLE	4	f	-	-	-	-	1.19 (1.04- 1.36)
Subtotal 10								1.22 (1.09- 1.37)
Partial Totals				0	0	0	0	

*prospective study

1990-97

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			S	C	C	C		
11	HUMBLE	1	f	-	-	-	-	1.59 (0.99- 2.57)
12	DOBSON	4	m	-	-	-	-	0.97 (0.50- 1.86)
12	DOBSON	2	f	-	-	-	-	2.46 (1.47- 4.13)
Subtotal 12								1.72 (1.15- 2.59)
13	GARDIN	2	c	-	-	-	-	0.57 (0.19- 1.74)
14	LAVECC	6	m	-	-	-	-	1.09 (0.39- 3.01)
14	LAVECC	4	f	-	-	-	-	1.36 (0.46- 4.05)
Subtotal 14								1.21 (0.57- 2.55)
15	LAYARD	2	m	-	-	-	-	0.97 (0.73- 1.28)
15	LAYARD	10	f	-	-	-	-	0.99 (0.84- 1.16)
Subtotal 15								0.98 (0.86- 1.13)
16	LEVOIS	2	m	-	-	-	-	0.98 (0.91- 1.06)
16	LEVOIS	7	f	-	-	-	-	1.04 (0.99- 1.09)
Subtotal 16								1.02 (0.98- 1.07)
18	MUSCAT	1	m	20	25	48	83	1.38 (0.70- 2.75)
18	MUSCAT	2	f	28	27	18	23	1.33 (0.59- 2.99)
Subtotal 18								1.36 (0.80- 2.30)
19	TUNSTA	2	c	-	-	-	-	1.34 (1.07- 1.67)
20	STEENL	1	m	-	-	-	-	1.22 (1.07- 1.40)
20	STEENL	2	f	-	-	-	-	1.10 (0.96- 1.27)
Subtotal 20								1.16 (1.05- 1.28)
21	JANGHO	1	f	63	100	137	300	1.38 (0.95- 2.01)
22	KAWACH	11	f	-	-	-	-	1.53 (0.81- 2.90)
Partial Totals				111	152	203	406	

*prospective study

 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), in last 10 years (t)
- 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), 28-JAN-15
 By publication year (grouped) - adjusted

1998-04

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
23	CIRUZZ	7	m	-	-	-	1.18	(0.55- 2.52)
23	CIRUZZ	8	f	-	-	-	1.73	(0.89- 3.36)
Subtotal 23							1.47	(0.89- 2.42)
24	MCELDU	4	m	-	-	-	0.82	(0.55- 1.22)
24	MCELDU	2	f	-	-	-	2.15	(1.18- 3.92)
Subtotal 24							1.10	(0.79- 1.53)
26	HE1	2	f	-	-	-	1.60	(0.94- 2.90)
27	IRIBAR	4	m	-	-	-	1.13	(1.00- 1.27)
27	IRIBAR	19	f	-	-	-	1.20	(1.09- 1.30)
Subtotal 27							1.17	(1.09- 1.26)
28	ROSENL	4	m	-	-	-	0.98	(0.57- 1.69)
28	ROSENL	16	f	-	-	-	2.59	(1.27- 5.29)
Subtotal 28							1.40	(0.91- 2.16)
29	PITSAV	9	c	-	-	-	1.33	(0.89- 1.99)
30	ENSTRO	15	m	-	-	-	0.92	(0.80- 1.05)
30	ENSTRO	31	f	-	-	-	0.97	(0.89- 1.06)
Subtotal 30							0.96	(0.89- 1.03)
31	CHEN	10	c	-	-	-	1.20	(0.70- 2.20)
32	NISHTA	3	c	-	-	-	2.38	(1.04- 5.42)
Partial Totals			0	0	0	0		

*prospective study

2005-07

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
34	MCGHEE	1	m	-	-	-	1.30	(0.88- 1.93)	
34	MCGHEE	2	f	-	-	-	1.39	(0.95- 2.04)	
Subtotal 34							1.35	(1.02- 1.77)	
35	QURESH	1	f	-	-	-	1.05	(0.81- 1.38)	
37	STRANG	25	m	18	58	177	403	0.71	(0.40- 1.23)
37	STRANG	17	f	11	104	78	690	0.94	(0.48- 1.82)
Subtotal 37							0.79	(0.52- 1.22)	
38	TEO	1	c	-	-	-	1.37	(1.27- 1.48)	
39	WEN	18	f	-	-	-	1.19	(0.84- 1.67)	
41	HILL1	2	m	-	-	-	1.04	(0.88- 1.23)	
41	HILL1	4	f	-	-	-	0.98	(0.83- 1.17)	
Subtotal 41							1.01	(0.90- 1.14)	
42	HILL2	2	m	-	-	-	1.18	(0.96- 1.44)	
42	HILL2	4	f	-	-	-	1.27	(0.98- 1.66)	
Subtotal 42							1.21	(1.03- 1.42)	
Partial Totals			29	162	255	1093			

*prospective study

2008 onwards

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
43	HE2	8	f	-	-	-	1.69	(1.31- 2.18)	
44	SULO	2	m	-	-	-	1.68	(0.81- 3.47)	
44	SULO	4	f	-	-	-	1.19	(0.25- 5.64)	
Subtotal 44							1.58	(0.82- 3.05)	
45	VOZORI	2	c	-	-	-	1.00	(0.80- 1.20)	
46	DING	2	f	-	-	-	1.52	(1.01- 2.27)	
47	GALLO	17	c	-	-	-	1.99	(0.92- 4.29)	
49	JEFFER	2	c	-	-	-	2.41	(1.04- 5.59)	
50	PEINEM	1	c	33	379	95	1387	1.27	(0.84- 1.92)
51	CHEN2	1	c	133	675	272	1601	1.16	(0.93- 1.45)
52	HE3	2	m	-	-	-	2.24	(0.76- 6.59)	
52	HE3	4	f	-	-	-	2.10	(0.69- 6.33)	
Subtotal 52							2.17	(1.00- 4.70)	
53	CLARK	4	m	-	-	-	1.98	(1.00- 3.93)	
53	CLARK	3	f	-	-	-	0.94	(0.67- 1.32)	
Subtotal 53							1.09	(0.80- 1.48)	
54	TROMSO	2	m	-	-	-	0.91	(0.61- 1.35)	
54	TROMSO	16	f	-	-	-	1.42	(1.06- 1.90)	
Subtotal 54							1.21	(0.96- 1.54)	

 Within each study, 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), in last 10 years (t)
- 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), 28-JAN-15
 By publication year (grouped) - adjusted

2008 onwards

StN	Ref	NRR	Number SCase	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
55	KASTOR	2	c	-	-	-	4.33	(1.52- 12.38)
56	HALS2	2	m	-	-	-	1.26	(0.37- 4.31)
56	HALS2	4	f	-	-	-	1.12	(0.55- 2.28)
Subtotal 56							1.15	(0.62- 2.13)
Partial Totals			166	1054	367	2988		

*prospective study

		1984-89	1990-97	1998-04	2005-07	2008 onwa	Total
Relative risks	N	13	17	14	11	18	73
	NS	9	11	9	7	13	49
	Wt	449.00	3103.09	1598.60	1231.33	425.85	6807.87
	Het Chi	12.29	32.93	38.51	24.74	30.79	174.67
	Het df	12	16	13	10	17	72
	Het P	N.S.	**	***	**	*	***
	Fixed RR	1.25	1.06	1.08	1.23	1.26	1.12
	RRl	1.14	1.02	1.03	1.16	1.15	1.09
	RRu	1.37	1.09	1.14	1.30	1.39	1.14
	P	+++	++	++	+++	+++	+++
	Random RR	1.26	1.12	1.16	1.15	1.34	1.19
	RRl	1.14	1.04	1.02	1.03	1.16	1.13
	RRu	1.39	1.22	1.31	1.29	1.56	1.26
	P	+++	++	+	+	+++	+++
	Asymm P	*	*	(*)	(*)	*	***
	Between Chi		11.41	7.50	0.09	0.01	35.41
	Between df		1	1	1	1	4
	Between 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), in last 10 years (t)
- 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), 28-JAN-15
 By publication year (grouped) - unadjusted

1984-89

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
1	HIRAYA	3	f 376	69645	118	21895	1.00	(0.82- 1.23)
2	GARLAN	2	f 2	97	2	203	2.09	(0.30- 14.64)
3	LEE	1	m 15	40	26	93	1.34	(0.64- 2.80)
3	LEE	3	f 55	229	22	89	0.97	(0.56- 1.69)
Subtotal 3							1.09	(0.70- 1.70)
4	MARTIN	1	f -	-	-	-	2.60	(1.20- 5.70)
5	SVENDS	1	m 21	286	48	959	1.47	(0.89- 2.41)
6	BUTLER	3	f 4	2487	60	43053	1.15	(0.42- 3.17)
8	HOLE	3	m -	-	-	-	1.73	(1.01- 2.96)
8	HOLE	2	f -	-	-	-	1.65	(0.79- 3.46)
Subtotal 8							1.70	(1.10- 2.63)
9	JACKSO	3	m -	-	-	-	1.10	(0.40- 3.00)
9	JACKSO	1	f -	-	-	-	4.00	(1.35- 13.10)
Subtotal 9							1.94	(0.91- 4.13)
10	SANDLE	1	m 122	1248	248	2914	1.15	(0.93- 1.41)
10	SANDLE	3	f 551	9551	437	5322	0.70	(0.62- 0.79)
Subtotal 10							0.80	(0.72- 0.88)
Partial Totals			1146	83583	961	74528		

*prospective study

1990-97

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
11	HUMBLE	1	f -	-	-	-	1.59	(0.99- 2.57)
12	DOBSON	3	m 22	34	161	259	1.04	(0.59- 1.84)
12	DOBSON	1	f 43	99	117	433	1.61	(1.06- 2.43)
Subtotal 12							1.39	(0.99- 1.93)
13	GARDIN	1	c 4	14	8	10	0.36	(0.08- 1.52)
14	LAVECC	5	m 7	17	55	140	1.05	(0.41- 2.67)
14	LAVECC	3	f 17	20	11	17	1.31	(0.48- 3.56)
Subtotal 14							1.16	(0.59- 2.30)
15	LAYARD	1	m 97	215	378	783	0.93	(0.71- 1.22)
15	LAYARD	9	f 455	961	459	969	1.00	(0.85- 1.17)
Subtotal 15							0.98	(0.86- 1.13)
16	LEVOIS	2	m -	-	-	-	0.98	(0.91- 1.06)
16	LEVOIS	7	f -	-	-	-	1.04	(0.99- 1.09)
Subtotal 16							1.02	(0.98- 1.07)
18	MUSCAT	1	m 20	25	48	83	1.38	(0.70- 2.75)
18	MUSCAT	2	f 28	27	18	23	1.33	(0.59- 2.99)
Subtotal 18							1.36	(0.80- 2.30)
19	TUNSTA	1	c 329	1216	99	483	1.32	(1.03- 1.69)
20	STEENL	1	m -	-	-	-	1.22	(1.07- 1.40)
20	STEENL	2	f -	-	-	-	1.10	(0.96- 1.27)
Subtotal 20							1.16	(1.05- 1.28)
21	JANGHO	1	f 63	100	137	300	1.38	(0.95- 2.01)
22	KAWACH	11	f -	-	-	-	1.53	(0.81- 2.90)
Partial Totals			1085	2728	1491	3500		

*prospective study

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- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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), 28-JAN-15
 By publication year (grouped) - unadjusted

1998-04

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
23	CIRUZZ	5	m	15	22	141	206	1.00 (0.50- 1.99)
23	CIRUZZ	6	f	29	25	151	193	1.48 (0.83- 2.64)
Subtotal 23								1.26 (0.81- 1.96)
24	MCELDU	3	m	53	172	145	373	0.79 (0.55- 1.14)
24	MCELDU	1	f	31	147	54	479	1.87 (1.16- 3.02)
Subtotal 24								1.08 (0.81- 1.45)
26	HE1	1	f	76	95	39	113	2.32 (1.44- 3.72)
27	IRIBAR	4	m	-	-	-	-	1.13 (1.00- 1.27)
27	IRIBAR	19	f	-	-	-	-	1.20 (1.09- 1.30)
Subtotal 27								1.17 (1.09- 1.26)
28	ROSENL	3	m	27	51	141	285	1.07 (0.64- 1.78)
28	ROSENL	15	f	21	24	59	144	2.14 (1.10- 4.13)
Subtotal 28								1.38 (0.93- 2.07)
29	PITSAV	9	c	-	-	-	-	1.33 (0.89- 1.99)
30	ENSTRO	7	m	-	-	-	-	0.94 (0.83- 1.07)
30	ENSTRO	23	f	-	-	-	-	1.01 (0.93- 1.09)
Subtotal 30								0.99 (0.93- 1.06)
31	CHEN	10	c	-	-	-	-	1.20 (0.70- 2.20)
32	NISHTA	3	c	-	-	-	-	2.38 (1.04- 5.42)
Partial Totals				252	536	730	1793	

*prospective study

2005-07

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
34	MCGHEE	5	m	74	71	285	347	1.27 (0.88- 1.82)
34	MCGHEE	6	f	113	150	112	195	1.31 (0.94- 1.84)
Subtotal 34								1.29 (1.01- 1.65)
35	QURESH	2	f	140	1823	79	1209	1.18 (0.90- 1.53)
37	STRANG	25	m	18	58	177	403	0.71 (0.40- 1.23)
37	STRANG	17	f	11	104	78	690	0.94 (0.48- 1.82)
Subtotal 37								0.79 (0.52- 1.22)
38	TEO	1	c	-	-	-	-	1.37 (1.27- 1.48)
39	WEN	18	f	-	-	-	-	1.19 (0.84- 1.67)
41	HILL1	1	m	-	-	-	-	1.00 (0.85- 1.18)
41	HILL1	3	f	-	-	-	-	0.98 (0.83- 1.15)
Subtotal 41								0.99 (0.88- 1.11)
42	HILL2	1	m	-	-	-	-	1.07 (0.86- 1.32)
42	HILL2	3	f	-	-	-	-	1.26 (0.98- 1.63)
Subtotal 42								1.15 (0.97- 1.35)
Partial Totals				356	2206	731	2844	

*prospective study

2008 onwards

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
43	HE2	1	f	200	277	231	501	1.57 (1.23- 1.99)
44	SULO	1	m	-	-	-	-	1.76 (0.98- 3.18)
44	SULO	3	f	-	-	-	-	1.05 (0.48- 2.30)
Subtotal 44								1.46 (0.91- 2.34)
45	VOZORI	1	c	293	11991	1480	34776	0.57 (0.51- 0.65)
46	DING	1	f	95	65	219	254	1.70 (1.18- 2.44)
47	GALLO	17	c	-	-	-	-	1.99 (0.92- 4.29)
49	JEFFER	1	c	-	-	-	-	2.17 (0.97- 4.84)
50	PEINEM	1	c	33	379	95	1387	1.27 (0.84- 1.92)
51	CHEN2	1	c	133	675	272	1601	1.16 (0.93- 1.45)
52	HE3	1	m	14	271	5	168	1.74 (0.64- 4.73)
52	HE3	3	f	18	340	4	131	1.73 (0.60- 5.03)
Subtotal 52								1.73 (0.84- 3.60)
53	CLARK	2	m	10	2115	76	34308	2.13 (1.11- 4.12)
53	CLARK	1	f	44	30877	181	94122	0.74 (0.53- 1.03)
Subtotal 53								0.92 (0.68- 1.23)
54	TROMSO	1	m	-	-	-	-	0.95 (0.66- 1.37)
54	TROMSO	15	f	-	-	-	-	1.35 (1.00- 1.81)
Subtotal 54								1.17 (0.93- 1.48)

 Within each study, 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), in last 10 years (t)
- 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), 28-JAN-15
 By publication year (grouped) - unadjusted

2008 onwards

StN	Ref	NRR	SCase	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
55	KASTOR	1	c	32	37	20	62	2.68 (1.34- 5.35)
56	HALS2	1	m	-	-	-	-	1.35 (0.46- 3.94)
56	HALS2	3	f	-	-	-	-	1.13 (0.56- 2.29)
Subtotal 56								1.19 (0.66- 2.15)
Partial Totals			872	47027	2583	167310		

*prospective study

		1984-89	1990-97	1998-04	2005-07	2008 onwa	Total
Relative risks	N	13	17	14	11	18	73
	NS	9	11	9	7	13	49
	Wt	516.50	3110.86	1759.48	1257.67	604.76	7249.27
	Het Chi	50.51	26.48	40.95	27.52	128.92	320.20
	Het df	12	16	13	10	17	72
	Het P	***	*	***	**	***	***
	Fixed RR	0.91	1.05	1.09	1.22	0.95	1.07
	RRl	0.83	1.02	1.04	1.15	0.87	1.05
	RRu	0.99	1.09	1.15	1.29	1.03	1.09
	P	-	++	+++	+++	N.S.	+++
	Random RR	1.26	1.10	1.18	1.14	1.34	1.17
	RRl	0.98	1.03	1.05	1.01	1.03	1.10
	RRu	1.61	1.18	1.33	1.28	1.74	1.25
	P	(+)	++	++	+	+	+++
	Asymm P	**	(*)	(*)	(*)	**	**
	Between Chi		9.72	13.85	31.62	0.48	45.82
	Between df		1	1	1	1	4
	Between P		++	+++	+++	N.S.	***

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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), 28-JAN-15
 By number of heart disease cases (grouped) - adjusted

1-99

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
2	GARLAN	4	f	-	-	-	2.25	(0.32-	15.74)
4	MARTIN	1	f	-	-	-	2.60	(1.20-	5.70)
5	SVENDS	2	m	-	-	-	1.61	(0.96-	2.71)
6	BUTLER	4	f	-	-	-	1.40	(0.51-	3.84)
11	HUMBLE	1	f	-	-	-	1.59	(0.99-	2.57)
13	GARDIN	2	c	-	-	-	0.57	(0.19-	1.74)
32	NISHTA	3	c	-	-	-	2.38	(1.04-	5.42)
49	JEFFER	2	c	-	-	-	2.41	(1.04-	5.59)
52	HE3	2	m	-	-	-	2.24	(0.76-	6.59)
52	HE3	4	f	-	-	-	2.10	(0.69-	6.33)
Subtotal 52							2.17	(1.00-	4.70)
55	KASTOR	2	c	-	-	-	4.33	(1.52-	12.38)
56	HALS2	2	m	-	-	-	1.26	(0.37-	4.31)
56	HALS2	4	f	-	-	-	1.12	(0.55-	2.28)
Subtotal 56							1.15	(0.62-	2.13)
Partial Totals				0	0	0	0		

*prospective study

100-199

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI		
			SCase	Cont	Case	Cont				
3	LEE	2	m	-	-	-	1.24	(0.58-	2.67)	
3	LEE	4	f	-	-	-	0.93	(0.53-	1.64)	
Subtotal 3							1.03	(0.65-	1.62)	
8	HOLE	3	m	-	-	-	1.73	(1.01-	2.96)	
8	HOLE	2	f	-	-	-	1.65	(0.79-	3.46)	
Subtotal 8							1.70	(1.10-	2.63)	
14	LAVECC	6	m	-	-	-	1.09	(0.39-	3.01)	
14	LAVECC	4	f	-	-	-	1.36	(0.46-	4.05)	
Subtotal 14							1.21	(0.57-	2.55)	
18	MUSCAT	1	m	20	25	48	83	1.38	(0.70-	2.75)
18	MUSCAT	2	f	28	27	18	23	1.33	(0.59-	2.99)
Subtotal 18							1.36	(0.80-	2.30)	
22	KAWACH	11	f	-	-	-	1.53	(0.81-	2.90)	
26	HE1	2	f	-	-	-	1.60	(0.94-	2.90)	
44	SULO	2	m	-	-	-	1.68	(0.81-	3.47)	
44	SULO	4	f	-	-	-	1.19	(0.25-	5.64)	
Subtotal 44							1.58	(0.82-	3.05)	
50	PEINEM	1	c	33	379	95	1387	1.27	(0.84-	1.92)
Partial Totals				81	431	161	1493			

*prospective study

200-999

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI		
			SCase	Cont	Case	Cont				
1	HIRAYA	6	f	-	-	-	1.16	(0.94-	1.43)	
9	JACKSO	4	m	-	-	-	1.06	(0.39-	2.91)	
9	JACKSO	2	f	-	-	-	3.74	(1.15-	12.19)	
Subtotal 9							1.80	(0.84-	3.87)	
12	DOBSON	4	m	-	-	-	0.97	(0.50-	1.86)	
12	DOBSON	2	f	-	-	-	2.46	(1.47-	4.13)	
Subtotal 12							1.72	(1.15-	2.59)	
19	TUNSTA	2	c	-	-	-	1.34	(1.07-	1.67)	
21	JANGHO	1	f	63	100	137	300	1.38	(0.95-	2.01)
23	CIRUZZ	7	m	-	-	-	1.18	(0.55-	2.52)	
23	CIRUZZ	8	f	-	-	-	1.73	(0.89-	3.36)	
Subtotal 23							1.47	(0.89-	2.42)	
24	MCELDU	4	m	-	-	-	0.82	(0.55-	1.22)	
24	MCELDU	2	f	-	-	-	2.15	(1.18-	3.92)	
Subtotal 24							1.10	(0.79-	1.53)	
28	ROSENL	4	m	-	-	-	0.98	(0.57-	1.69)	
28	ROSENL	16	f	-	-	-	2.59	(1.27-	5.29)	
Subtotal 28							1.40	(0.91-	2.16)	
29	PITSAV	9	c	-	-	-	1.33	(0.89-	1.99)	
31	CHEN	10	c	-	-	-	1.20	(0.70-	2.20)	

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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 24
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 28-JAN-15
 By number of heart disease cases (grouped) - adjusted

200-999

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
34	MCGHEE	1	m	-	-	-	1.30	(0.88- 1.93)	
34	MCGHEE	2	f	-	-	-	1.39	(0.95- 2.04)	
Subtotal 34							1.35	(1.02- 1.77)	
35	QURESH	1	f	-	-	-	1.05	(0.81- 1.38)	
37	STRANG	25	m	18	58	177	403	0.71	(0.40- 1.23)
37	STRANG	17	f	11	104	78	690	0.94	(0.48- 1.82)
Subtotal 37							0.79	(0.52- 1.22)	
39	WEN	18	f	-	-	-	-	1.19	(0.84- 1.67)
43	HE2	8	f	-	-	-	-	1.69	(1.31- 2.18)
46	DING	2	f	-	-	-	-	1.52	(1.01- 2.27)
47	GALLO	17	c	-	-	-	-	1.99	(0.92- 4.29)
51	CHEN2	1	c	133	675	272	1601	1.16	(0.93- 1.45)
53	CLARK	4	m	-	-	-	-	1.98	(1.00- 3.93)
53	CLARK	3	f	-	-	-	-	0.94	(0.67- 1.32)
Subtotal 53								1.09	(0.80- 1.48)
54	TROMSO	2	m	-	-	-	-	0.91	(0.61- 1.35)
54	TROMSO	16	f	-	-	-	-	1.42	(1.06- 1.90)
Subtotal 54								1.21	(0.96- 1.54)
Partial Totals			225	937	664	2994			

*prospective study

1000+

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
10	SANDLE	2	m	-	-	-	-	1.31	(1.05- 1.64)
10	SANDLE	4	f	-	-	-	-	1.19	(1.04- 1.36)
Subtotal 10								1.22	(1.09- 1.37)
15	LAYARD	2	m	-	-	-	-	0.97	(0.73- 1.28)
15	LAYARD	10	f	-	-	-	-	0.99	(0.84- 1.16)
Subtotal 15								0.98	(0.86- 1.13)
16	LEVOIS	2	m	-	-	-	-	0.98	(0.91- 1.06)
16	LEVOIS	7	f	-	-	-	-	1.04	(0.99- 1.09)
Subtotal 16								1.02	(0.98- 1.07)
20	STEENL	1	m	-	-	-	-	1.22	(1.07- 1.40)
20	STEENL	2	f	-	-	-	-	1.10	(0.96- 1.27)
Subtotal 20								1.16	(1.05- 1.28)
27	IRIBAR	4	m	-	-	-	-	1.13	(1.00- 1.27)
27	IRIBAR	19	f	-	-	-	-	1.20	(1.09- 1.30)
Subtotal 27								1.17	(1.09- 1.26)
30	ENSTRO	15	m	-	-	-	-	0.92	(0.80- 1.05)
30	ENSTRO	31	f	-	-	-	-	0.97	(0.89- 1.06)
Subtotal 30								0.96	(0.89- 1.03)
38	TEO	1	c	-	-	-	-	1.37	(1.27- 1.48)
41	HILL1	2	m	-	-	-	-	1.04	(0.88- 1.23)
41	HILL1	4	f	-	-	-	-	0.98	(0.83- 1.17)
Subtotal 41								1.01	(0.90- 1.14)
42	HILL2	2	m	-	-	-	-	1.18	(0.96- 1.44)
42	HILL2	4	f	-	-	-	-	1.27	(0.98- 1.66)
Subtotal 42								1.21	(1.03- 1.42)
45	VOZORI	2	c	-	-	-	-	1.00	(0.80- 1.20)
Partial Totals			0	0	0	0			

*prospective study

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- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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), 28-JAN-15
 By number of heart disease cases (grouped) - adjusted

		1-99	100-199	200-999	1000+	Total
Relative risks						
	N	13	13	29	18	73
	NS	11	8	20	10	49
	Wt	76.53	112.88	762.68	5855.79	6807.87
	Het Chi	11.48	3.90	47.45	76.51	174.67
	Het df	12	12	28	17	72
	Het P	N.S.	N.S.	*	***	***
Fixed	RR	1.74	1.38	1.26	1.09	1.12
	RRl	1.39	1.15	1.18	1.06	1.09
	RRu	2.17	1.66	1.36	1.12	1.14
	P	+++	+++	+++	+++	+++
Random	RR	1.74	1.38	1.28	1.09	1.19
	RRl	1.39	1.15	1.16	1.03	1.13
	RRu	2.17	1.66	1.41	1.16	1.26
	P	+++	+++	+++	++	+++
Asymm	P	N.S.	N.S.	N.S.	N.S.	***
Between	Chi		2.44	7.03	16.47	35.31
Between	df		1	1	1	3
Between	P		N.S.	--	---	***

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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), 28-JAN-15
 By study type - adjusted

case-control			Number Exposed		Non-exposed		RR	95.00%CI	
StN	Ref	NRR	SCase	Cont	Case	Cont			
3	LEE	2	m	-	-	-	1.24	(0.58- 2.67)	
3	LEE	4	f	-	-	-	0.93	(0.53- 1.64)	
Subtotal 3							1.03	(0.65- 1.62)	
9	JACKSO	4	m	-	-	-	1.06	(0.39- 2.91)	
9	JACKSO	2	f	-	-	-	3.74	(1.15- 12.19)	
Subtotal 9							1.80	(0.84- 3.87)	
12	DOBSON	4	m	-	-	-	0.97	(0.50- 1.86)	
12	DOBSON	2	f	-	-	-	2.46	(1.47- 4.13)	
Subtotal 12							1.72	(1.15- 2.59)	
13	GARDIN	2	c	-	-	-	0.57	(0.19- 1.74)	
14	LAVECC	6	m	-	-	-	1.09	(0.39- 3.01)	
14	LAVECC	4	f	-	-	-	1.36	(0.46- 4.05)	
Subtotal 14							1.21	(0.57- 2.55)	
15	LAYARD	2	m	-	-	-	0.97	(0.73- 1.28)	
15	LAYARD	10	f	-	-	-	0.99	(0.84- 1.16)	
Subtotal 15							0.98	(0.86- 1.13)	
18	MUSCAT	1	m	20	25	48	83	1.38	(0.70- 2.75)
18	MUSCAT	2	f	28	27	18	23	1.33	(0.59- 2.99)
Subtotal 18							1.36	(0.80- 2.30)	
21	JANGHO	1	f	63	100	137	300	1.38	(0.95- 2.01)
23	CIRUZZ	7	m	-	-	-	-	1.18	(0.55- 2.52)
23	CIRUZZ	8	f	-	-	-	-	1.73	(0.89- 3.36)
Subtotal 23							1.47	(0.89- 2.42)	
24	MCELDU	4	m	-	-	-	-	0.82	(0.55- 1.22)
24	MCELDU	2	f	-	-	-	-	2.15	(1.18- 3.92)
Subtotal 24							1.10	(0.79- 1.53)	
26	HE1	2	f	-	-	-	-	1.60	(0.94- 2.90)
28	ROSEN1	4	m	-	-	-	-	0.98	(0.57- 1.69)
28	ROSEN1	16	f	-	-	-	-	2.59	(1.27- 5.29)
Subtotal 28							1.40	(0.91- 2.16)	
29	PITSAV	9	c	-	-	-	-	1.33	(0.89- 1.99)
32	NISHTA	3	c	-	-	-	-	2.38	(1.04- 5.42)
34	MCGHEE	1	m	-	-	-	-	1.30	(0.88- 1.93)
34	MCGHEE	2	f	-	-	-	-	1.39	(0.95- 2.04)
Subtotal 34							1.35	(1.02- 1.77)	
37	STRANG	25	m	18	58	177	403	0.71	(0.40- 1.23)
37	STRANG	17	f	11	104	78	690	0.94	(0.48- 1.82)
Subtotal 37							0.79	(0.52- 1.22)	
38	TEO	1	c	-	-	-	-	1.37	(1.27- 1.48)
44	SULO	2	m	-	-	-	-	1.68	(0.81- 3.47)
44	SULO	4	f	-	-	-	-	1.19	(0.25- 5.64)
Subtotal 44							1.58	(0.82- 3.05)	
46	DING	2	f	-	-	-	-	1.52	(1.01- 2.27)
55	KASTOR	2	c	-	-	-	-	4.33	(1.52- 12.38)
Partial Totals				140	314	458	1499		

*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), in last 10 years (t)
- 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), 28-JAN-15
 By study type - adjusted

prospective

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
1	HIRAYA	6	f	-	-	-	1.16	(0.94- 1.43)
2	GARLAN	4	f	-	-	-	2.25	(0.32- 15.74)
5	SVENDS	2	m	-	-	-	1.61	(0.96- 2.71)
6	BUTLER	4	f	-	-	-	1.40	(0.51- 3.84)
8	HOLE	3	m	-	-	-	1.73	(1.01- 2.96)
8	HOLE	2	f	-	-	-	1.65	(0.79- 3.46)
Subtotal 8								
10	SANDLE	2	m	-	-	-	1.31	(1.05- 1.64)
10	SANDLE	4	f	-	-	-	1.19	(1.04- 1.36)
Subtotal 10								
11	HUMBLE	1	f	-	-	-	1.59	(0.99- 2.57)
16	LEVOIS	2	m	-	-	-	0.98	(0.91- 1.06)
16	LEVOIS	7	f	-	-	-	1.04	(0.99- 1.09)
Subtotal 16								
20	STEENL	1	m	-	-	-	1.22	(1.07- 1.40)
20	STEENL	2	f	-	-	-	1.10	(0.96- 1.27)
Subtotal 20								
22	KAWACH	11	f	-	-	-	1.53	(0.81- 2.90)
30	ENSTRO	15	m	-	-	-	0.92	(0.80- 1.05)
30	ENSTRO	31	f	-	-	-	0.97	(0.89- 1.06)
Subtotal 30								
35	QURESH	1	f	-	-	-	1.05	(0.81- 1.38)
39	WEN	18	f	-	-	-	1.19	(0.84- 1.67)
41	HILL1	2	m	-	-	-	1.04	(0.88- 1.23)
41	HILL1	4	f	-	-	-	0.98	(0.83- 1.17)
Subtotal 41								
42	HILL2	2	m	-	-	-	1.18	(0.96- 1.44)
42	HILL2	4	f	-	-	-	1.27	(0.98- 1.66)
Subtotal 42								
47	GALLO	17	c	-	-	-	1.99	(0.92- 4.29)
49	JEFFER	2	c	-	-	-	2.41	(1.04- 5.59)
52	HE3	2	m	-	-	-	2.24	(0.76- 6.59)
52	HE3	4	f	-	-	-	2.10	(0.69- 6.33)
Subtotal 52								
53	CLARK	4	m	-	-	-	1.98	(1.00- 3.93)
53	CLARK	3	f	-	-	-	0.94	(0.67- 1.32)
Subtotal 53								
54	TROMSO	2	m	-	-	-	0.91	(0.61- 1.35)
54	TROMSO	16	f	-	-	-	1.42	(1.06- 1.90)
Subtotal 54								
56	HALS2	2	m	-	-	-	1.26	(0.37- 4.31)
56	HALS2	4	f	-	-	-	1.12	(0.55- 2.28)
Subtotal 56								
Partial Totals			0	0	0	0		

*prospective study

cross-sectional

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
4	MARTIN	1	f	-	-	-	2.60	(1.20- 5.70)
19	TUNSTA	2	c	-	-	-	1.34	(1.07- 1.67)
27	IRIBAR	4	m	-	-	-	1.13	(1.00- 1.27)
27	IRIBAR	19	f	-	-	-	1.20	(1.09- 1.30)
Subtotal 27								
31	CHEN	10	c	-	-	-	1.17	(1.09- 1.26)
43	HE2	8	f	-	-	-	1.20	(0.70- 2.20)
45	VOZORI	2	c	-	-	-	1.69	(1.31- 2.18)
50	PEINEM	1	c	33	379	95	1387	1.00 (0.80- 1.20)
51	CHEN2	1	c	133	675	272	1601	1.27 (0.84- 1.92)
Subtotal 51								
Partial Totals			166	1054	367	2988	1.16	(0.93- 1.45)

*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), in last 10 years (t)
- 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), 28-JAN-15
 By study type - adjusted

	case-cont	prospecti	cross-sec	Total
Relative risks				
N	32	32	9	73
NS	20	21	8	49
Wt	1172.61	4525.19	1110.07	6807.87
Het Chi	58.02	58.18	15.91	174.67
Het df	31	31	8	72
Het P	**	**	*	***
Fixed RR	1.29	1.06	1.20	1.12
RRl	1.22	1.03	1.13	1.09
RRu	1.36	1.09	1.27	1.14
P	+++	+++	+++	+++
Random RR	1.29	1.12	1.23	1.19
RRl	1.15	1.06	1.11	1.13
RRu	1.45	1.18	1.36	1.26
P	+++	+++	+++	+++
Asymm P	N.S.	***	N.S.	***
Between Chi		35.84	2.87	42.54
Between df		1	1	2
Between P		---	(-)	***

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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), 28-JAN-15
 By total number of confounders considered in the study (grouped) - adjusted

0-2

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI		
			SCase	Cont	Case	Cont				
1	HIRAYA	6	f	-	-	-	1.16	(0.94-	1.43)	
3	LEE	2	m	-	-	-	1.24	(0.58-	2.67)	
3	LEE	4	f	-	-	-	0.93	(0.53-	1.64)	
Subtotal 3							1.03	(0.65-	1.62)	
6	BUTLER	4	f	-	-	-	1.40	(0.51-	3.84)	
13	GARDIN	2	c	-	-	-	0.57	(0.19-	1.74)	
15	LAYARD	2	m	-	-	-	0.97	(0.73-	1.28)	
15	LAYARD	10	f	-	-	-	0.99	(0.84-	1.16)	
Subtotal 15							0.98	(0.86-	1.13)	
16	LEVOIS	2	m	-	-	-	0.98	(0.91-	1.06)	
16	LEVOIS	7	f	-	-	-	1.04	(0.99-	1.09)	
Subtotal 16							1.02	(0.98-	1.07)	
21	JANGHO	1	f	63	100	137	300	1.38	(0.95-	2.01)
32	NISHTA	3	c	-	-	-	-	2.38	(1.04-	5.42)
34	MCGHEE	1	m	-	-	-	-	1.30	(0.88-	1.93)
34	MCGHEE	2	f	-	-	-	-	1.39	(0.95-	2.04)
Subtotal 34								1.35	(1.02-	1.77)
50	PEINEM	1	c	33	379	95	1387	1.27	(0.84-	1.92)
51	CHEN2	1	c	133	675	272	1601	1.16	(0.93-	1.45)
Partial Totals				229	1154	504	3288			

*prospective study

3-4

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI		
			SCase	Cont	Case	Cont				
10	SANDLE	2	m	-	-	-	-	1.31	(1.05-	1.64)
10	SANDLE	4	f	-	-	-	-	1.19	(1.04-	1.36)
Subtotal 10								1.22	(1.09-	1.37)
11	HUMBLE	1	f	-	-	-	-	1.59	(0.99-	2.57)
12	DOBSON	4	m	-	-	-	-	0.97	(0.50-	1.86)
12	DOBSON	2	f	-	-	-	-	2.46	(1.47-	4.13)
Subtotal 12								1.72	(1.15-	2.59)
18	MUSCAT	1	m	20	25	48	83	1.38	(0.70-	2.75)
18	MUSCAT	2	f	28	27	18	23	1.33	(0.59-	2.99)
Subtotal 18								1.36	(0.80-	2.30)
19	TUNSTA	2	c	-	-	-	-	1.34	(1.07-	1.67)
24	MCELDU	4	m	-	-	-	-	0.82	(0.55-	1.22)
24	MCELDU	2	f	-	-	-	-	2.15	(1.18-	3.92)
Subtotal 24								1.10	(0.79-	1.53)
Partial Totals				48	52	66	106			

*prospective study

5+

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI		
			SCase	Cont	Case	Cont				
2	GARLAN	4	f	-	-	-	-	2.25	(0.32-	15.74)
4	MARTIN	1	f	-	-	-	-	2.60	(1.20-	5.70)
5	SVENDS	2	m	-	-	-	-	1.61	(0.96-	2.71)
8	HOLE	3	m	-	-	-	-	1.73	(1.01-	2.96)
8	HOLE	2	f	-	-	-	-	1.65	(0.79-	3.46)
Subtotal 8								1.70	(1.10-	2.63)
9	JACKSO	4	m	-	-	-	-	1.06	(0.39-	2.91)
9	JACKSO	2	f	-	-	-	-	3.74	(1.15-	12.19)
Subtotal 9								1.80	(0.84-	3.87)
14	LAVECC	6	m	-	-	-	-	1.09	(0.39-	3.01)
14	LAVECC	4	f	-	-	-	-	1.36	(0.46-	4.05)
Subtotal 14								1.21	(0.57-	2.55)
20	STEENL	1	m	-	-	-	-	1.22	(1.07-	1.40)
20	STEENL	2	f	-	-	-	-	1.10	(0.96-	1.27)
Subtotal 20								1.16	(1.05-	1.28)
22	KAWACH	11	f	-	-	-	-	1.53	(0.81-	2.90)
23	CIRUZZ	7	m	-	-	-	-	1.18	(0.55-	2.52)
23	CIRUZZ	8	f	-	-	-	-	1.73	(0.89-	3.36)
Subtotal 23								1.47	(0.89-	2.42)
26	HE1	2	f	-	-	-	-	1.60	(0.94-	2.90)

 Within each study, 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), in last 10 years (t)
- 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), 28-JAN-15
 By total number of confounders considered in the study (grouped) - adjusted

5+		Number Exposed		Non-exposed		RR	95.00%CI
StN	Ref	SCase	Cont	Case	Cont		
27	IRIBAR 4	m	-	-	-	1.13	(1.00- 1.27)
27	IRIBAR 19	f	-	-	-	1.20	(1.09- 1.30)
Subtotal 27						1.17	(1.09- 1.26)
28	ROSENL 4	m	-	-	-	0.98	(0.57- 1.69)
28	ROSENL 16	f	-	-	-	2.59	(1.27- 5.29)
Subtotal 28						1.40	(0.91- 2.16)
29	PITSAV 9	c	-	-	-	1.33	(0.89- 1.99)
30	ENSTRO 15	m	-	-	-	0.92	(0.80- 1.05)
30	ENSTRO 31	f	-	-	-	0.97	(0.89- 1.06)
Subtotal 30						0.96	(0.89- 1.03)
31	CHEN 10	c	-	-	-	1.20	(0.70- 2.20)
35	QURESH 1	f	-	-	-	1.05	(0.81- 1.38)
37	STRANG 25	m	18	58	177	0.71	(0.40- 1.23)
37	STRANG 17	f	11	104	78	0.94	(0.48- 1.82)
Subtotal 37						0.79	(0.52- 1.22)
38	TEO 1	c	-	-	-	1.37	(1.27- 1.48)
39	WEN 18	f	-	-	-	1.19	(0.84- 1.67)
41	HILL1 2	m	-	-	-	1.04	(0.88- 1.23)
41	HILL1 4	f	-	-	-	0.98	(0.83- 1.17)
Subtotal 41						1.01	(0.90- 1.14)
42	HILL2 2	m	-	-	-	1.18	(0.96- 1.44)
42	HILL2 4	f	-	-	-	1.27	(0.98- 1.66)
Subtotal 42						1.21	(1.03- 1.42)
43	HE2 8	f	-	-	-	1.69	(1.31- 2.18)
44	SULO 2	m	-	-	-	1.68	(0.81- 3.47)
44	SULO 4	f	-	-	-	1.19	(0.25- 5.64)
Subtotal 44						1.58	(0.82- 3.05)
45	VOZORI 2	c	-	-	-	1.00	(0.80- 1.20)
46	DING 2	f	-	-	-	1.52	(1.01- 2.27)
47	GALLO 17	c	-	-	-	1.99	(0.92- 4.29)
49	JEFFER 2	c	-	-	-	2.41	(1.04- 5.59)
52	HE3 2	m	-	-	-	2.24	(0.76- 6.59)
52	HE3 4	f	-	-	-	2.10	(0.69- 6.33)
Subtotal 52						2.17	(1.00- 4.70)
53	CLARK 4	m	-	-	-	1.98	(1.00- 3.93)
53	CLARK 3	f	-	-	-	0.94	(0.67- 1.32)
Subtotal 53						1.09	(0.80- 1.48)
54	TROMSO 2	m	-	-	-	0.91	(0.61- 1.35)
54	TROMSO 16	f	-	-	-	1.42	(1.06- 1.90)
Subtotal 54						1.21	(0.96- 1.54)
55	KASTOR 2	c	-	-	-	4.33	(1.52- 12.38)
56	HALS2 2	m	-	-	-	1.26	(0.37- 4.31)
56	HALS2 4	f	-	-	-	1.12	(0.55- 2.28)
Subtotal 56						1.15	(0.62- 2.13)
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), in last 10 years (t)
- 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), 28-JAN-15
 By total number of confounders considered in the study (grouped) - adjusted

	0-2	3-4	5+	Total
Relative risks				
N	15	10	48	73
NS	11	6	32	49
Wt	2810.54	457.35	3539.98	6807.87
Het Chi	17.09	16.65	112.79	174.67
Het df	14	9	47	72
Het P	N.S.	(*)	***	***
Fixed RR	1.04	1.27	1.16	1.12
RRl	1.00	1.16	1.13	1.09
RRu	1.08	1.39	1.20	1.14
P	+	+++	+++	+++
Random RR	1.06	1.32	1.21	1.19
RRl	1.00	1.13	1.13	1.13
RRu	1.12	1.55	1.30	1.26
P	(+)	+++	+++	+++
Asymm P	(*)	N.S.	*	***
Between Chi		15.71	20.17	28.13
Between df		1	1	2
Between P		+++	+++	***

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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), 28-JAN-15
 By any study results available on dose-response or not - adjusted

none			Number Exposed		Non-exposed		RR	95.00%CI	
StN	Ref	NRR	SCase	Cont	Case	Cont			
2	GARLAN	4	f	-	-	-	2.25	(0.32- 15.74)	
4	MARTIN	1	f	-	-	-	2.60	(1.20- 5.70)	
6	BUTLER	4	f	-	-	-	1.40	(0.51- 3.84)	
10	SANDLE	2	m	-	-	-	1.31	(1.05- 1.64)	
10	SANDLE	4	f	-	-	-	1.19	(1.04- 1.36)	
Subtotal 10							1.22	(1.09- 1.37)	
11	HUMBLE	1	f	-	-	-	1.59	(0.99- 2.57)	
12	DOBSON	4	m	-	-	-	0.97	(0.50- 1.86)	
12	DOBSON	2	f	-	-	-	2.46	(1.47- 4.13)	
Subtotal 12							1.72	(1.15- 2.59)	
13	GARDIN	2	c	-	-	-	0.57	(0.19- 1.74)	
24	MCELDU	4	m	-	-	-	0.82	(0.55- 1.22)	
24	MCELDU	2	f	-	-	-	2.15	(1.18- 3.92)	
Subtotal 24							1.10	(0.79- 1.53)	
35	QURESH	1	f	-	-	-	1.05	(0.81- 1.38)	
41	HILL1	2	m	-	-	-	1.04	(0.88- 1.23)	
41	HILL1	4	f	-	-	-	0.98	(0.83- 1.17)	
Subtotal 41							1.01	(0.90- 1.14)	
42	HILL2	2	m	-	-	-	1.18	(0.96- 1.44)	
42	HILL2	4	f	-	-	-	1.27	(0.98- 1.66)	
Subtotal 42							1.21	(1.03- 1.42)	
44	SULO	2	m	-	-	-	1.68	(0.81- 3.47)	
44	SULO	4	f	-	-	-	1.19	(0.25- 5.64)	
Subtotal 44							1.58	(0.82- 3.05)	
45	VOZORI	2	c	-	-	-	1.00	(0.80- 1.20)	
50	PEINEM	1	c	33	379	95	1387	1.27	(0.84- 1.92)
51	CHEN2	1	c	133	675	272	1601	1.16	(0.93- 1.45)
53	CLARK	4	m	-	-	-	-	1.98	(1.00- 3.93)
53	CLARK	3	f	-	-	-	-	0.94	(0.67- 1.32)
Subtotal 53								1.09	(0.80- 1.48)
55	KASTOR	2	c	-	-	-	-	4.33	(1.52- 12.38)
Partial Totals			166	1054	367	2988			

*prospective study

results given			Number Exposed		Non-exposed		RR	95.00%CI	
StN	Ref	NRR	SCase	Cont	Case	Cont			
1	HIRAYA	6	f	-	-	-	-	1.16	(0.94- 1.43)
3	LEE	2	m	-	-	-	-	1.24	(0.58- 2.67)
3	LEE	4	f	-	-	-	-	0.93	(0.53- 1.64)
Subtotal 3								1.03	(0.65- 1.62)
5	SVENDS	2	m	-	-	-	-	1.61	(0.96- 2.71)
8	HOLE	3	m	-	-	-	-	1.73	(1.01- 2.96)
8	HOLE	2	f	-	-	-	-	1.65	(0.79- 3.46)
Subtotal 8								1.70	(1.10- 2.63)
9	JACKSO	4	m	-	-	-	-	1.06	(0.39- 2.91)
9	JACKSO	2	f	-	-	-	-	3.74	(1.15- 12.19)
Subtotal 9								1.80	(0.84- 3.87)
14	LAVECC	6	m	-	-	-	-	1.09	(0.39- 3.01)
14	LAVECC	4	f	-	-	-	-	1.36	(0.46- 4.05)
Subtotal 14								1.21	(0.57- 2.55)
15	LAYARD	2	m	-	-	-	-	0.97	(0.73- 1.28)
15	LAYARD	10	f	-	-	-	-	0.99	(0.84- 1.16)
Subtotal 15								0.98	(0.86- 1.13)
16	LEVOIS	2	m	-	-	-	-	0.98	(0.91- 1.06)
16	LEVOIS	7	f	-	-	-	-	1.04	(0.99- 1.09)
Subtotal 16								1.02	(0.98- 1.07)
18	MUSCAT	1	m	20	25	48	83	1.38	(0.70- 2.75)
18	MUSCAT	2	f	28	27	18	23	1.33	(0.59- 2.99)
Subtotal 18								1.36	(0.80- 2.30)
19	TUNSTA	2	c	-	-	-	-	1.34	(1.07- 1.67)
20	STEENL	1	m	-	-	-	-	1.22	(1.07- 1.40)
20	STEENL	2	f	-	-	-	-	1.10	(0.96- 1.27)
Subtotal 20								1.16	(1.05- 1.28)
21	JANGHO	1	f	63	100	137	300	1.38	(0.95- 2.01)

 Within each study, 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), in last 10 years (t)
- 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), 28-JAN-15
 By any study results available on dose-response or not - adjusted

results given

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
22	KAWACH	11	f	-	-	-	1.53	(0.81- 2.90)	
23	CIRUZZ	7	m	-	-	-	1.18	(0.55- 2.52)	
23	CIRUZZ	8	f	-	-	-	1.73	(0.89- 3.36)	
Subtotal 23							1.47	(0.89- 2.42)	
26	HE1	2	f	-	-	-	1.60	(0.94- 2.90)	
27	IRIBAR	4	m	-	-	-	1.13	(1.00- 1.27)	
27	IRIBAR	19	f	-	-	-	1.20	(1.09- 1.30)	
Subtotal 27							1.17	(1.09- 1.26)	
28	ROSENL	4	m	-	-	-	0.98	(0.57- 1.69)	
28	ROSENL	16	f	-	-	-	2.59	(1.27- 5.29)	
Subtotal 28							1.40	(0.91- 2.16)	
29	PITSAV	9	c	-	-	-	1.33	(0.89- 1.99)	
30	ENSTRO	15	m	-	-	-	0.92	(0.80- 1.05)	
30	ENSTRO	31	f	-	-	-	0.97	(0.89- 1.06)	
Subtotal 30							0.96	(0.89- 1.03)	
31	CHEN	10	c	-	-	-	1.20	(0.70- 2.20)	
32	NISHTA	3	c	-	-	-	2.38	(1.04- 5.42)	
34	MCGHEE	1	m	-	-	-	1.30	(0.88- 1.93)	
34	MCGHEE	2	f	-	-	-	1.39	(0.95- 2.04)	
Subtotal 34							1.35	(1.02- 1.77)	
37	STRANG	25	m	18	58	177	403	0.71	(0.40- 1.23)
37	STRANG	17	f	11	104	78	690	0.94	(0.48- 1.82)
Subtotal 37								0.79	(0.52- 1.22)
38	TEO	1	c	-	-	-	-	1.37	(1.27- 1.48)
39	WEN	18	f	-	-	-	-	1.19	(0.84- 1.67)
43	HE2	8	f	-	-	-	-	1.69	(1.31- 2.18)
46	DING	2	f	-	-	-	-	1.52	(1.01- 2.27)
47	GALLO	17	c	-	-	-	-	1.99	(0.92- 4.29)
49	JEFFER	2	c	-	-	-	-	2.41	(1.04- 5.59)
52	HE3	2	m	-	-	-	-	2.24	(0.76- 6.59)
52	HE3	4	f	-	-	-	-	2.10	(0.69- 6.33)
Subtotal 52								2.17	(1.00- 4.70)
54	TROMSO	2	m	-	-	-	-	0.91	(0.61- 1.35)
54	TROMSO	16	f	-	-	-	-	1.42	(1.06- 1.90)
Subtotal 54								1.21	(0.96- 1.54)
56	HALS2	2	m	-	-	-	-	1.26	(0.37- 4.31)
56	HALS2	4	f	-	-	-	-	1.12	(0.55- 2.28)
Subtotal 56								1.15	(0.62- 2.13)
Partial Totals			140	314	458	1499			

*prospective study

none no assoc sig assc results g Total

Relative risks

	N	24		49	73
	NS	17		32	49
	Wt	1095.64		5712.23	6807.87
	Het Chi	44.01		129.64	174.67
	Het df	23		48	72
	Het P	**		***	***
Fixed	RR	1.15		1.11	1.12
	RR1	1.08		1.08	1.09
	RRu	1.22		1.14	1.14
	P	+++		+++	+++
Random	RR	1.20		1.19	1.19
	RR1	1.09		1.12	1.13
	RRu	1.32		1.27	1.26
	P	+++		+++	+++
Asymm	P	*		**	***
Between	Chi			1.01	1.01
Between	df			1	1
Between	P		N.S.	N.S.	N.S.

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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), 28-JAN-15
 By spouse the index or not - adjusted

Yes		Number Exposed		Non-exposed		RR	95.00%CI	
StN	Ref	SCase	Cont	Case	Cont			
1	HIRAYA	6	f	-	-	-	1.16 (0.94- 1.43)	
2	GARLAN	4	f	-	-	-	2.25 (0.32- 15.74)	
3	LEE	2	m	-	-	-	1.24 (0.58- 2.67)	
3	LEE	4	f	-	-	-	0.93 (0.53- 1.64)	
Subtotal 3							1.03 (0.65- 1.62)	
4	MARTIN	1	f	-	-	-	2.60 (1.20- 5.70)	
5	SVENDS	2	m	-	-	-	1.61 (0.96- 2.71)	
6	BUTLER	4	f	-	-	-	1.40 (0.51- 3.84)	
11	HUMBLE	1	f	-	-	-	1.59 (0.99- 2.57)	
13	GARDIN	2	c	-	-	-	0.57 (0.19- 1.74)	
14	LAVECC	6	m	-	-	-	1.09 (0.39- 3.01)	
14	LAVECC	4	f	-	-	-	1.36 (0.46- 4.05)	
Subtotal 14							1.21 (0.57- 2.55)	
15	LAYARD	2	m	-	-	-	0.97 (0.73- 1.28)	
15	LAYARD	10	f	-	-	-	0.99 (0.84- 1.16)	
Subtotal 15							0.98 (0.86- 1.13)	
16	LEVOIS	2	m	-	-	-	0.98 (0.91- 1.06)	
16	LEVOIS	7	f	-	-	-	1.04 (0.99- 1.09)	
Subtotal 16							1.02 (0.98- 1.07)	
18	MUSCAT	1	m	20	25	48	83	1.38 (0.70- 2.75)
18	MUSCAT	2	f	28	27	18	23	1.33 (0.59- 2.99)
Subtotal 18								1.36 (0.80- 2.30)
20	STEENL	1	m	-	-	-	-	1.22 (1.07- 1.40)
20	STEENL	2	f	-	-	-	-	1.10 (0.96- 1.27)
Subtotal 20								1.16 (1.05- 1.28)
21	JANGHO	1	f	63	100	137	300	1.38 (0.95- 2.01)
23	CIRUZZ	7	m	-	-	-	-	1.18 (0.55- 2.52)
23	CIRUZZ	8	f	-	-	-	-	1.73 (0.89- 3.36)
Subtotal 23								1.47 (0.89- 2.42)
26	HE1	2	f	-	-	-	-	1.60 (0.94- 2.90)
28	ROSENL	4	m	-	-	-	-	0.98 (0.57- 1.69)
28	ROSENL	16	f	-	-	-	-	2.59 (1.27- 5.29)
Subtotal 28								1.40 (0.91- 2.16)
30	ENSTRO	15	m	-	-	-	-	0.92 (0.80- 1.05)
30	ENSTRO	31	f	-	-	-	-	0.97 (0.89- 1.06)
Subtotal 30								0.96 (0.89- 1.03)
32	NISHTA	3	c	-	-	-	-	2.38 (1.04- 5.42)
35	QURESH	1	f	-	-	-	-	1.05 (0.81- 1.38)
39	WEN	18	f	-	-	-	-	1.19 (0.84- 1.67)
44	SULO	2	m	-	-	-	-	1.68 (0.81- 3.47)
44	SULO	4	f	-	-	-	-	1.19 (0.25- 5.64)
Subtotal 44								1.58 (0.82- 3.05)
47	GALLO	17	c	-	-	-	-	1.99 (0.92- 4.29)
49	JEFFER	2	c	-	-	-	-	2.41 (1.04- 5.59)
Partial Totals				111	152	203	406	

*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), in last 10 years (t)
- 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), 28-JAN-15
 By spouse the index or not - adjusted

No		Number Exposed		Non-exposed		RR	95.00%CI	
StN	Ref	SCase	Cont	Case	Cont			
8	HOLE	3	m	-	-	-	1.73 (1.01- 2.96)	
8	HOLE	2	f	-	-	-	1.65 (0.79- 3.46)	
Subtotal 8							1.70 (1.10- 2.63)	
9	JACKSO	4	m	-	-	-	1.06 (0.39- 2.91)	
9	JACKSO	2	f	-	-	-	3.74 (1.15- 12.19)	
Subtotal 9							1.80 (0.84- 3.87)	
10	SANDLE	2	m	-	-	-	1.31 (1.05- 1.64)	
10	SANDLE	4	f	-	-	-	1.19 (1.04- 1.36)	
Subtotal 10							1.22 (1.09- 1.37)	
12	DOBSON	4	m	-	-	-	0.97 (0.50- 1.86)	
12	DOBSON	2	f	-	-	-	2.46 (1.47- 4.13)	
Subtotal 12							1.72 (1.15- 2.59)	
19	TUNSTA	2	c	-	-	-	1.34 (1.07- 1.67)	
22	KAWACH	11	f	-	-	-	1.53 (0.81- 2.90)	
24	MCELDU	4	m	-	-	-	0.82 (0.55- 1.22)	
24	MCELDU	2	f	-	-	-	2.15 (1.18- 3.92)	
Subtotal 24							1.10 (0.79- 1.53)	
27	IRIBAR	4	m	-	-	-	1.13 (1.00- 1.27)	
27	IRIBAR	19	f	-	-	-	1.20 (1.09- 1.30)	
Subtotal 27							1.17 (1.09- 1.26)	
29	PITSAV	9	c	-	-	-	1.33 (0.89- 1.99)	
31	CHEN	10	c	-	-	-	1.20 (0.70- 2.20)	
34	MCGHEE	1	m	-	-	-	1.30 (0.88- 1.93)	
34	MCGHEE	2	f	-	-	-	1.39 (0.95- 2.04)	
Subtotal 34							1.35 (1.02- 1.77)	
37	STRANG	25	m	18	58	177	403	0.71 (0.40- 1.23)
37	STRANG	17	f	11	104	78	690	0.94 (0.48- 1.82)
Subtotal 37								0.79 (0.52- 1.22)
38	TEO	1	c	-	-	-	-	1.37 (1.27- 1.48)
41	HILL1	2	m	-	-	-	-	1.04 (0.88- 1.23)
41	HILL1	4	f	-	-	-	-	0.98 (0.83- 1.17)
Subtotal 41								1.01 (0.90- 1.14)
42	HILL2	2	m	-	-	-	-	1.18 (0.96- 1.44)
42	HILL2	4	f	-	-	-	-	1.27 (0.98- 1.66)
Subtotal 42								1.21 (1.03- 1.42)
43	HE2	8	f	-	-	-	-	1.69 (1.31- 2.18)
45	VOZORI	2	c	-	-	-	-	1.00 (0.80- 1.20)
46	DING	2	f	-	-	-	-	1.52 (1.01- 2.27)
50	PEINEM	1	c	33	379	95	1387	1.27 (0.84- 1.92)
51	CHEN2	1	c	133	675	272	1601	1.16 (0.93- 1.45)
52	HE3	2	m	-	-	-	-	2.24 (0.76- 6.59)
52	HE3	4	f	-	-	-	-	2.10 (0.69- 6.33)
Subtotal 52								2.17 (1.00- 4.70)
53	CLARK	4	m	-	-	-	-	1.98 (1.00- 3.93)
53	CLARK	3	f	-	-	-	-	0.94 (0.67- 1.32)
Subtotal 53								1.09 (0.80- 1.48)
54	TROMSO	2	m	-	-	-	-	0.91 (0.61- 1.35)
54	TROMSO	16	f	-	-	-	-	1.42 (1.06- 1.90)
Subtotal 54								1.21 (0.96- 1.54)
55	KASTOR	2	c	-	-	-	-	4.33 (1.52- 12.38)
56	HALS2	2	m	-	-	-	-	1.26 (0.37- 4.31)
56	HALS2	4	f	-	-	-	-	1.12 (0.55- 2.28)
Subtotal 56								1.15 (0.62- 2.13)
Partial Totals				195	1216	622	4081	
*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), in last 10 years (t)
- 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), 28-JAN-15
 By spouse the index or not - adjusted

	Yes	No	Total
Relative risks			
N	34	39	73
NS	24	25	49
Wt	3995.85	2812.03	6807.87
Het Chi	56.12	74.09	174.67
Het df	33	38	72
Het P	**	***	***
Fixed RR	1.04	1.23	1.12
RRl	1.01	1.19	1.09
RRu	1.08	1.28	1.14
P	++	+++	+++
Random RR	1.10	1.23	1.19
RRl	1.04	1.16	1.13
RRu	1.17	1.32	1.26
P	++	+++	+++
Asymm P	***	N.S.	***
Between Chi		44.46	44.46
Between df		1	1
Between P		+++	***

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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), 28-JAN-15
 By heart disease type 1 - adjusted

		Number Exposed		Non-exposed		RR	95.00%CI
StN	Ref NRR	SCase	Cont	Case	Cont		
1	HIRAYA 6	f	-	-	-	1.16	(0.94- 1.43)
2	GARLAN 4	f	-	-	-	2.25	(0.32- 15.74)
6	BUTLER 4	f	-	-	-	1.40	(0.51- 3.84)
8	HOLE 3	m	-	-	-	1.73	(1.01- 2.96)
8	HOLE 2	f	-	-	-	1.65	(0.79- 3.46)
Subtotal 8						1.70	(1.10- 2.63)
10	SANDLE 2	m	-	-	-	1.31	(1.05- 1.64)
10	SANDLE 4	f	-	-	-	1.19	(1.04- 1.36)
Subtotal 10						1.22	(1.09- 1.37)
11	HUMBLE 1	f	-	-	-	1.59	(0.99- 2.57)
15	LAYARD 2	m	-	-	-	0.97	(0.73- 1.28)
15	LAYARD 10	f	-	-	-	0.99	(0.84- 1.16)
Subtotal 15						0.98	(0.86- 1.13)
16	LEVOIS 2	m	-	-	-	0.98	(0.91- 1.06)
16	LEVOIS 7	f	-	-	-	1.04	(0.99- 1.09)
Subtotal 16						1.02	(0.98- 1.07)
20	STEENL 1	m	-	-	-	1.22	(1.07- 1.40)
20	STEENL 2	f	-	-	-	1.10	(0.96- 1.27)
Subtotal 20						1.16	(1.05- 1.28)
30	ENSTRO 15	m	-	-	-	0.92	(0.80- 1.05)
30	ENSTRO 31	f	-	-	-	0.97	(0.89- 1.06)
Subtotal 30						0.96	(0.89- 1.03)
34	MCGHEE 1	m	-	-	-	1.30	(0.88- 1.93)
34	MCGHEE 2	f	-	-	-	1.39	(0.95- 2.04)
Subtotal 34						1.35	(1.02- 1.77)
39	WEN 18	f	-	-	-	1.19	(0.84- 1.67)
41	HILL1 2	m	-	-	-	1.04	(0.88- 1.23)
41	HILL1 4	f	-	-	-	0.98	(0.83- 1.17)
Subtotal 41						1.01	(0.90- 1.14)
42	HILL2 2	m	-	-	-	1.18	(0.96- 1.44)
42	HILL2 4	f	-	-	-	1.27	(0.98- 1.66)
Subtotal 42						1.21	(1.03- 1.42)
47	GALLO 17	c	-	-	-	1.99	(0.92- 4.29)
52	HE3 2	m	-	-	-	2.24	(0.76- 6.59)
52	HE3 4	f	-	-	-	2.10	(0.69- 6.33)
Subtotal 52						2.17	(1.00- 4.70)
53	CLARK 4	m	-	-	-	1.98	(1.00- 3.93)
53	CLARK 3	f	-	-	-	0.94	(0.67- 1.32)
Subtotal 53						1.09	(0.80- 1.48)
56	HALS2 2	m	-	-	-	1.26	(0.37- 4.31)
56	HALS2 4	f	-	-	-	1.12	(0.55- 2.28)
Subtotal 56						1.15	(0.62- 2.13)
Partial Totals		0	0	0	0		

*prospective study

		Number Exposed		Non-exposed		RR	95.00%CI
StN	Ref NRR	SCase	Cont	Case	Cont		
3	LEE 2	m	-	-	-	1.24	(0.58- 2.67)
3	LEE 4	f	-	-	-	0.93	(0.53- 1.64)
Subtotal 3						1.03	(0.65- 1.62)
4	MARTIN 1	f	-	-	-	2.60	(1.20- 5.70)
14	LAVECC 6	m	-	-	-	1.09	(0.39- 3.01)
14	LAVECC 4	f	-	-	-	1.36	(0.46- 4.05)
Subtotal 14						1.21	(0.57- 2.55)
18	MUSCAT 1	m	20	25	48	1.38	(0.70- 2.75)
18	MUSCAT 2	f	28	27	18	1.33	(0.59- 2.99)
Subtotal 18						1.36	(0.80- 2.30)
19	TUNSTA 2	c	-	-	-	1.34	(1.07- 1.67)
21	JANGHO 1	f	63	100	137	1.38	(0.95- 2.01)
23	CIRUZZ 7	m	-	-	-	1.18	(0.55- 2.52)
23	CIRUZZ 8	f	-	-	-	1.73	(0.89- 3.36)
Subtotal 23						1.47	(0.89- 2.42)
26	HE1 2	f	-	-	-	1.60	(0.94- 2.90)
27	IRIBAR 4	m	-	-	-	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), in last 10 years (t)
- 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), 28-JAN-15
 By heart disease type 1 - adjusted

Nonfatal

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
27	IRIBAR	19	f	-	-	-	1.20	(1.09- 1.30)	
Subtotal 27							1.17	(1.09- 1.26)	
28	ROSENL	4	m	-	-	-	0.98	(0.57- 1.69)	
28	ROSENL	16	f	-	-	-	2.59	(1.27- 5.29)	
Subtotal 28							1.40	(0.91- 2.16)	
29	PITSAV	9	c	-	-	-	1.33	(0.89- 1.99)	
31	CHEN	10	c	-	-	-	1.20	(0.70- 2.20)	
32	NISHTA	3	c	-	-	-	2.38	(1.04- 5.42)	
37	STRANG	25	m	18	58	177	403	0.71	(0.40- 1.23)
37	STRANG	17	f	11	104	78	690	0.94	(0.48- 1.82)
Subtotal 37							0.79	(0.52- 1.22)	
38	TEO	1	c	-	-	-	-	1.37	(1.27- 1.48)
43	HE2	8	f	-	-	-	-	1.69	(1.31- 2.18)
44	SULO	2	m	-	-	-	-	1.68	(0.81- 3.47)
44	SULO	4	f	-	-	-	-	1.19	(0.25- 5.64)
Subtotal 44								1.58	(0.82- 3.05)
45	VOZORI	2	c	-	-	-	-	1.00	(0.80- 1.20)
46	DING	2	f	-	-	-	-	1.52	(1.01- 2.27)
50	PEINEM	1	c	33	379	95	1387	1.27	(0.84- 1.92)
51	CHEN2	1	c	133	675	272	1601	1.16	(0.93- 1.45)
55	KASTOR	2	c	-	-	-	-	4.33	(1.52- 12.38)
Partial Totals				306	1368	825	4487		

*prospective study

Both

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
5	SVENDS	2	m	-	-	-	-	1.61	(0.96- 2.71)
9	JACKSO	4	m	-	-	-	-	1.06	(0.39- 2.91)
9	JACKSO	2	f	-	-	-	-	3.74	(1.15- 12.19)
Subtotal 9								1.80	(0.84- 3.87)
12	DOBSON	4	m	-	-	-	-	0.97	(0.50- 1.86)
12	DOBSON	2	f	-	-	-	-	2.46	(1.47- 4.13)
Subtotal 12								1.72	(1.15- 2.59)
13	GARDIN	2	c	-	-	-	-	0.57	(0.19- 1.74)
22	KAWACH	11	f	-	-	-	-	1.53	(0.81- 2.90)
24	MCELDU	4	m	-	-	-	-	0.82	(0.55- 1.22)
24	MCELDU	2	f	-	-	-	-	2.15	(1.18- 3.92)
Subtotal 24								1.10	(0.79- 1.53)
35	QURESH	1	f	-	-	-	-	1.05	(0.81- 1.38)
49	JEFFER	2	c	-	-	-	-	2.41	(1.04- 5.59)
54	TROMSO	2	m	-	-	-	-	0.91	(0.61- 1.35)
54	TROMSO	16	f	-	-	-	-	1.42	(1.06- 1.90)
Subtotal 54								1.21	(0.96- 1.54)
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), in last 10 years (t)
- 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), 28-JAN-15
 By heart disease type 1 - adjusted

	Fatal	Nonfatal	Both	Total
Relative risks				
N	30	30	13	73
NS	18	22	9	49
Wt	4619.89	1967.38	220.61	6807.87
Het Chi	50.14	45.01	28.43	174.67
Het df	29	29	12	72
Het P	**	*	**	***
Fixed RR	1.05	1.27	1.25	1.12
RRl	1.02	1.21	1.10	1.09
RRu	1.08	1.33	1.43	1.14
P	+++	+++	+++	+++
Random RR	1.09	1.28	1.34	1.19
RRl	1.04	1.18	1.06	1.13
RRu	1.15	1.38	1.68	1.26
P	+++	+++	+	+++
Asymm P	***	N.S.	N.S.	***
Between Chi		48.05	6.46	51.09
Between df		1	1	2
Between P		+++	+	***

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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), 28-JAN-15
 By heart disease type 2 - adjusted

IHD		Number Exposed		Non-exposed		RR	95.00%CI
StN	Ref NRR	SCase	Cont	Case	Cont		
1	HIRAYA 6	f	-	-	-	1.16	(0.94- 1.43)
2	GARLAN 4	f	-	-	-	2.25	(0.32- 15.74)
3	LEE 2	m	-	-	-	1.24	(0.58- 2.67)
3	LEE 4	f	-	-	-	0.93	(0.53- 1.64)
Subtotal 3						1.03	(0.65- 1.62)
5	SVENDS 2	m	-	-	-	1.61	(0.96- 2.71)
6	BUTLER 4	f	-	-	-	1.40	(0.51- 3.84)
13	GARDIN 2	c	-	-	-	0.57	(0.19- 1.74)
15	LAYARD 2	m	-	-	-	0.97	(0.73- 1.28)
15	LAYARD 10	f	-	-	-	0.99	(0.84- 1.16)
Subtotal 15						0.98	(0.86- 1.13)
19	TUNSTA 2	c	-	-	-	1.34	(1.07- 1.67)
20	STEENL 1	m	-	-	-	1.22	(1.07- 1.40)
20	STEENL 2	f	-	-	-	1.10	(0.96- 1.27)
Subtotal 20						1.16	(1.05- 1.28)
21	JANGHO 1	f	63	100	137	1.38	(0.95- 2.01)
30	ENSTRO 15	m	-	-	-	0.92	(0.80- 1.05)
30	ENSTRO 31	f	-	-	-	0.97	(0.89- 1.06)
Subtotal 30						0.96	(0.89- 1.03)
31	CHEN 10	c	-	-	-	1.20	(0.70- 2.20)
32	NISHTA 3	c	-	-	-	2.38	(1.04- 5.42)
34	MCGHEE 1	m	-	-	-	1.30	(0.88- 1.93)
34	MCGHEE 2	f	-	-	-	1.39	(0.95- 2.04)
Subtotal 34						1.35	(1.02- 1.77)
41	HILL1 2	m	-	-	-	1.04	(0.88- 1.23)
41	HILL1 4	f	-	-	-	0.98	(0.83- 1.17)
Subtotal 41						1.01	(0.90- 1.14)
42	HILL2 2	m	-	-	-	1.18	(0.96- 1.44)
42	HILL2 4	f	-	-	-	1.27	(0.98- 1.66)
Subtotal 42						1.21	(1.03- 1.42)
43	HE2 8	f	-	-	-	1.69	(1.31- 2.18)
45	VOZORI 2	c	-	-	-	1.00	(0.80- 1.20)
46	DING 2	f	-	-	-	1.52	(1.01- 2.27)
50	PEINEM 1	c	33	379	95	1.27	(0.84- 1.92)
52	HE3 2	m	-	-	-	2.24	(0.76- 6.59)
52	HE3 4	f	-	-	-	2.10	(0.69- 6.33)
Subtotal 52						2.17	(1.00- 4.70)
53	CLARK 4	m	-	-	-	1.98	(1.00- 3.93)
53	CLARK 3	f	-	-	-	0.94	(0.67- 1.32)
Subtotal 53						1.09	(0.80- 1.48)
Partial Totals			96	479	232	1687	

*prospective study

MI		Number Exposed		Non-exposed		RR	95.00%CI
StN	Ref NRR	SCase	Cont	Case	Cont		
4	MARTIN 1	f	-	-	-	2.60	(1.20- 5.70)
14	LAVECC 6	m	-	-	-	1.09	(0.39- 3.01)
14	LAVECC 4	f	-	-	-	1.36	(0.46- 4.05)
Subtotal 14						1.21	(0.57- 2.55)
18	MUSCAT 1	m	20	25	48	1.38	(0.70- 2.75)
18	MUSCAT 2	f	28	27	18	1.33	(0.59- 2.99)
Subtotal 18						1.36	(0.80- 2.30)
23	CIRUZZ 7	m	-	-	-	1.18	(0.55- 2.52)
23	CIRUZZ 8	f	-	-	-	1.73	(0.89- 3.36)
Subtotal 23						1.47	(0.89- 2.42)
24	MCELDU 4	m	-	-	-	0.82	(0.55- 1.22)
24	MCELDU 2	f	-	-	-	2.15	(1.18- 3.92)
Subtotal 24						1.10	(0.79- 1.53)
28	ROSENL 4	m	-	-	-	0.98	(0.57- 1.69)
28	ROSENL 16	f	-	-	-	2.59	(1.27- 5.29)
Subtotal 28						1.40	(0.91- 2.16)
37	STRANG 25	m	18	58	177	0.71	(0.40- 1.23)
37	STRANG 17	f	11	104	78	0.94	(0.48- 1.82)
Subtotal 37						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), in last 10 years (t)
- 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), 28-JAN-15
 By heart disease type 2 - adjusted

MI

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
38	TEO	1	c	-	-	-	1.37	(1.27- 1.48)
49	JEFFER	2	c	-	-	-	2.41	(1.04- 5.59)
54	TROMSO	2	m	-	-	-	0.91	(0.61- 1.35)
54	TROMSO	16	f	-	-	-	1.42	(1.06- 1.90)
Subtotal 54							1.21	(0.96- 1.54)
Partial Totals			77	214	321	1199		

*prospective study

other

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
10	SANDLE	2	m	-	-	-	1.31	(1.05- 1.64)
10	SANDLE	4	f	-	-	-	1.19	(1.04- 1.36)
Subtotal 10							1.22	(1.09- 1.37)
11	HUMBLE	1	f	-	-	-	1.59	(0.99- 2.57)
16	LEVOIS	2	m	-	-	-	0.98	(0.91- 1.06)
16	LEVOIS	7	f	-	-	-	1.04	(0.99- 1.09)
Subtotal 16							1.02	(0.98- 1.07)
26	HE1	2	f	-	-	-	1.60	(0.94- 2.90)
27	IRIBAR	4	m	-	-	-	1.13	(1.00- 1.27)
27	IRIBAR	19	f	-	-	-	1.20	(1.09- 1.30)
Subtotal 27							1.17	(1.09- 1.26)
35	QURESH	1	f	-	-	-	1.05	(0.81- 1.38)
56	HALS2	2	m	-	-	-	1.26	(0.37- 4.31)
56	HALS2	4	f	-	-	-	1.12	(0.55- 2.28)
Subtotal 56							1.15	(0.62- 2.13)
Partial Totals			0	0	0	0		

*prospective study

mixed

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
8	HOLE	3	m	-	-	-	1.73	(1.01- 2.96)	
8	HOLE	2	f	-	-	-	1.65	(0.79- 3.46)	
Subtotal 8							1.70	(1.10- 2.63)	
9	JACKSO	4	m	-	-	-	1.06	(0.39- 2.91)	
9	JACKSO	2	f	-	-	-	3.74	(1.15- 12.19)	
Subtotal 9							1.80	(0.84- 3.87)	
12	DOBSON	4	m	-	-	-	0.97	(0.50- 1.86)	
12	DOBSON	2	f	-	-	-	2.46	(1.47- 4.13)	
Subtotal 12							1.72	(1.15- 2.59)	
22	KAWACH	11	f	-	-	-	1.53	(0.81- 2.90)	
29	PITSAV	9	c	-	-	-	1.33	(0.89- 1.99)	
39	WEN	18	f	-	-	-	1.19	(0.84- 1.67)	
44	SULO	2	m	-	-	-	1.68	(0.81- 3.47)	
44	SULO	4	f	-	-	-	1.19	(0.25- 5.64)	
Subtotal 44							1.58	(0.82- 3.05)	
47	GALLO	17	c	-	-	-	1.99	(0.92- 4.29)	
51	CHEN2	1	c	133	675	272	1601	1.16	(0.93- 1.45)
55	KASTOR	2	c	-	-	-	4.33	(1.52- 12.38)	
Partial Totals			133	675	272	1601			

*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), in last 10 years (t)
- 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), 28-JAN-15
 By heart disease type 2 - adjusted

	IHD	MI	other	mixed	Total
Relative risks					
N	31	17	11	14	73
NS	22	10	7	10	49
Wt	2280.35	850.14	3467.47	209.91	6807.87
Het Chi	58.80	28.57	23.96	18.69	174.67
Het df	30	16	10	13	72
Het P	**	*	**	N.S.	***
Fixed RR	1.08	1.34	1.07	1.39	1.12
RRl	1.04	1.25	1.04	1.21	1.09
RRu	1.13	1.43	1.11	1.59	1.14
P	+++	+++	+++	+++	+++
Random RR	1.14	1.28	1.12	1.49	1.19
RRl	1.07	1.09	1.04	1.24	1.13
RRu	1.23	1.51	1.20	1.80	1.26
P	+++	++	++	+++	+++
Asymm P	**	N.S.	(*)	*	***
Between Chi		27.29	0.12	11.55	44.64
Between df		1	1	1	3
Between P		+++	N.S.	+++	***

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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, 28-JAN-15
 Workers only, if available
 Overall - adjusted

Overall			Number Exposed		Non-exposed		RR	95.00%CI
StN	Ref	NRR	SCase	Cont	Case	Cont		
3	LEE	6	m	-	-	-	-	0.66 (0.26- 1.66)
3	LEE	8	f	-	-	-	-	0.69 (0.26- 1.87)
Subtotal 3								0.67 (0.34- 1.32)
5	SVENDS	3	m	-	-	-	-	1.40 (0.80- 2.50)
9	JACKSO	8	m	-	-	-	-	1.80 (0.94- 3.46)
9	JACKSO	6	f	-	-	-	-	1.55 (0.48- 5.03)
Subtotal 9								1.74 (0.98- 3.07)
12	DOBSON	8	m	-	-	-	-	0.95 (0.51- 1.78)
12	DOBSON	6	f	-	-	-	-	0.66 (0.17- 2.62)
Subtotal 12								0.89 (0.51- 1.57)
18	MUSCAT	4	m	-	-	-	-	1.20 (0.60- 2.20)
18	MUSCAT	6	f	-	-	-	-	1.00 (0.40- 2.50)
Subtotal 18								1.13 (0.66- 1.92)
20	STEENL	28	m	-	-	-	-	1.03 (0.89- 1.19)
20	STEENL	29	f	-	-	-	-	1.06 (0.84- 1.34)
Subtotal 20								1.04 (0.92- 1.17)
22	KAWACH	8	f	-	-	-	-	1.68 (0.81- 3.47)
26	HE1	22	f	-	-	-	-	1.85 (0.86- 4.00)
28	ROSENL	8	m	-	-	-	-	1.14 (0.78- 1.67)
28	ROSENL	20	f	-	-	-	-	0.94 (0.59- 1.50)
Subtotal 28								1.06 (0.79- 1.42)
29	PITSAV	8	c	-	-	-	-	1.97 (1.16- 3.34)
31	CHEN	9	c	-	-	-	-	1.70 (0.90- 3.20)
37	STRANG	26	m	134	347	39	98	0.97 (0.64- 1.48)
37	STRANG	18	f	52	507	29	272	0.96 (0.60- 1.55)
Subtotal 37								0.97 (0.70- 1.33)
39	WEN	20	f	-	-	-	-	1.21 (0.74- 2.01)
47	GALLO	5	m	-	-	-	-	0.93 (0.46- 1.90)
47	GALLO	6	f	-	-	-	-	0.76 (0.47- 1.24)
Subtotal 47								0.81 (0.54- 1.21)
Partial Totals			186	854	68	370		

*prospective study

StN	Ref	NRR	SEX	WKS	TYs	Ws	Qs	Ps
3	LEE	6	m	w	-0.42	4.47	1.10	0.3796
3	LEE	8	f	w	-0.37	3.95	0.81	0.4610
Subtotal 3					-0.39	8.42	1.91	
5	SVENDS	3	m	a	0.34	11.84	0.77	0.2470
9	JACKSO	8	m	a	0.59	9.05	2.32	0.0770
9	JACKSO	6	f	a	0.44	2.78	0.35	0.4646
Subtotal 9					0.55	11.83	2.68	
12	DOBSON	8	m	w	-0.05	9.83	0.17	0.8722
12	DOBSON	6	f	w	-0.42	2.05	0.51	0.5515
Subtotal 12					-0.11	11.89	0.68	
18	MUSCAT	4	m	a	0.18	9.10	0.09	0.5823
18	MUSCAT	6	f	w	0.00	4.58	0.03	1.0000
Subtotal 18					0.12	13.68	0.12	
20	STEENL	28	m	w	0.03	182.10	0.49	0.6900
20	STEENL	29	f	w	0.06	70.45	0.04	0.6248
Subtotal 20					0.04	252.55	0.52	
22	KAWACH	8	f	w	0.52	7.26	1.39	0.1622
26	HE1	22	f	w	0.62	6.50	1.85	0.1167
28	ROSENL	8	m	a	0.13	26.51	0.07	0.4999
28	ROSENL	20	f	a	-0.06	17.65	0.36	0.7949
Subtotal 28					0.05	44.16	0.43	
29	PITSAV	8	c	a	0.68	13.74	4.89	0.0120
31	CHEN	9	c	w	0.53	9.55	1.93	0.1011
37	STRANG	26	m	a	-0.03	21.65	0.27	0.8887
37	STRANG	18	f	a	-0.04	16.85	0.24	0.8736
Subtotal 37					-0.03	38.50	0.51	
39	WEN	20	f	a	0.19	15.39	0.18	0.4546
47	GALLO	5	m	a	-0.07	7.64	0.18	0.8410
47	GALLO	6	f	a	-0.27	16.33	2.07	0.2675

 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, 28-JAN-15
 Workers only, if available
 Overall - adjusted

Overall

StN Ref	NRR	SEX WKS TYs	Ws	Qs	Ps
Subtotal	47	-0.21	23.96	2.25	

Relative risks

	N	22
	NS	14
	Wt	469.26
Het	Chi	20.12
Het	df	21
Het	P	N.S.
Fixed	RR	1.08
	RRl	0.99
	RRu	1.19
	P	(+)
Random	RR	1.08
	RRl	0.99
	RRu	1.19
	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, 28-JAN-15
 Workers only, if available
 Overall - unadjusted

Overall

StN	Ref	NRR	SCase	Cont	Case	Cont	RR	95.00%CI
3	LEE	5	m	13	58	17	40	0.53 (0.23- 1.21)
3	LEE	7	f	6	45	30	113	0.50 (0.20- 1.29)
Subtotal 3								
5	SVENDS	3	m	-	-	-	-	1.40 (0.80- 2.50)
9	JACKSO	7	m	-	-	-	-	1.50 (0.80- 3.00)
9	JACKSO	5	f	-	-	-	-	2.20 (0.70- 7.40)
Subtotal 9								
12	DOBSON	7	m	27	79	48	126	0.90 (0.52- 1.55)
12	DOBSON	5	f	5	73	12	124	0.71 (0.24- 2.09)
Subtotal 12								
18	MUSCAT	3	m	44	66	24	42	1.17 (0.62- 2.19)
18	MUSCAT	5	f	20	22	15	16	0.97 (0.38- 2.46)
Subtotal 18								
20	STEENL	28	m	-	-	-	-	1.03 (0.89- 1.19)
20	STEENL	29	f	-	-	-	-	1.06 (0.84- 1.34)
Subtotal 20								
22	KAWACH	8	f	-	-	-	-	1.68 (0.81- 3.47)
26	HE1	21	f	33	43	26	83	2.45 (1.30- 4.61)
28	ROSENL	7	m	126	254	68	145	1.06 (0.74- 1.51)
28	ROSENL	19	f	68	143	57	120	1.00 (0.65- 1.54)
Subtotal 28								
29	PITSAV	8	c	-	-	-	-	1.97 (1.16- 3.34)
31	CHEN	9	c	-	-	-	-	1.70 (0.90- 3.20)
37	STRANG	26	m	134	347	39	98	0.97 (0.64- 1.48)
37	STRANG	18	f	52	507	29	272	0.96 (0.60- 1.55)
Subtotal 37								
39	WEN	20	f	-	-	-	-	1.21 (0.74- 2.01)
47	GALLO	4	c	-	-	-	-	0.82 (0.56- 1.22)
Partial Totals				528	1637	365	1179	

*prospective study

StN	Ref	NRR	SEX	WKS	TYS	Ws	Qs	Ps
3	LEE	5	m	w	-0.64	5.62	2.87	0.1294
3	LEE	7	f	w	-0.69	4.33	2.53	0.1519
Subtotal 3								
5	SVENDS	3	m	a	0.34	11.84	0.81	0.2470
9	JACKSO	7	m	a	0.41	8.80	0.96	0.2292
9	JACKSO	5	f	a	0.79	2.76	1.41	0.1900
Subtotal 9								
12	DOBSON	7	m	w	-0.11	12.74	0.43	0.6984
12	DOBSON	5	f	w	-0.35	3.28	0.58	0.5315
Subtotal 12								
18	MUSCAT	3	m	a	0.15	9.68	0.06	0.6316
18	MUSCAT	5	f	w	-0.03	4.45	0.05	0.9482
Subtotal 18								
20	STEENL	28	m	w	0.03	182.10	0.38	0.6900
20	STEENL	29	f	w	0.06	70.45	0.02	0.6248
Subtotal 20								
22	KAWACH	8	f	w	0.52	7.26	1.43	0.1622
26	HE1	21	f	w	0.90	9.61	6.48	0.0055
28	ROSENL	7	m	a	0.06	29.87	0.01	0.7588
28	ROSENL	19	f	a	0.00	21.02	0.12	0.9960
Subtotal 28								
29	PITSAV	8	c	a	0.68	13.74	4.99	0.0120
31	CHEN	9	c	w	0.53	9.55	1.98	0.1011
37	STRANG	26	m	a	-0.03	21.65	0.24	0.8887
37	STRANG	18	f	a	-0.04	16.85	0.22	0.8736
Subtotal 37								
39	WEN	20	f	a	0.19	15.39	0.21	0.4546
47	GALLO	4	c	a	-0.20	25.34	1.90	0.3178

 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, 28-JAN-15
 Workers only, if available
 Overall - unadjusted

Relative risks

	N	21
	NS	14
	Wt	486.31
Het	Chi	27.66
Het	df	20
Het	P	N.S.
Fixed	RR	1.08
	RRl	0.99
	RRu	1.18
	P	(+)
Random	RR	1.11
	RRl	0.98
	RRu	1.25
	P	N.S.
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, 28-JAN-15
 Workers only, if available
 By sex - adjusted

combined

StN	Ref	NRR	SCase	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
29	PITSAV	8	c	-	-	-	1.97	(1.16- 3.34)
31	CHEN	9	c	-	-	-	1.70	(0.90- 3.20)
Partial Totals			0	0	0	0		

*prospective study

male

StN	Ref	NRR	SCase	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
3	LEE	6	m	-	-	-	0.66	(0.26- 1.66)
5	SVENDS	3	m	-	-	-	1.40	(0.80- 2.50)
9	JACKSO	8	m	-	-	-	1.80	(0.94- 3.46)
12	DOBSON	8	m	-	-	-	0.95	(0.51- 1.78)
18	MUSCAT	4	m	-	-	-	1.20	(0.60- 2.20)
20	STEENL	28	m	-	-	-	1.03	(0.89- 1.19)
28	ROSENL	8	m	-	-	-	1.14	(0.78- 1.67)
37	STRANG	26	m	134	347	39	98	0.97 (0.64- 1.48)
47	GALLO	5	m	-	-	-	-	0.93 (0.46- 1.90)
Partial Totals			134	347	39	98		

*prospective study

female

StN	Ref	NRR	SCase	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
3	LEE	8	f	-	-	-	0.69	(0.26- 1.87)
9	JACKSO	6	f	-	-	-	1.55	(0.48- 5.03)
12	DOBSON	6	f	-	-	-	0.66	(0.17- 2.62)
18	MUSCAT	6	f	-	-	-	1.00	(0.40- 2.50)
20	STEENL	29	f	-	-	-	1.06	(0.84- 1.34)
22	KAWACH	8	f	-	-	-	1.68	(0.81- 3.47)
26	HE1	22	f	-	-	-	1.85	(0.86- 4.00)
28	ROSENL	20	f	-	-	-	0.94	(0.59- 1.50)
37	STRANG	18	f	52	507	29	272	0.96 (0.60- 1.55)
39	WEN	20	f	-	-	-	-	1.21 (0.74- 2.01)
47	GALLO	6	f	-	-	-	-	0.76 (0.47- 1.24)
Partial Totals			52	507	29	272		

*prospective study

combined male female Total

Relative risks

	N	2	9	11	22
	NS	2	9	11	22
	Wt	23.29	282.19	163.78	469.26
	Het Chi	0.12	5.30	7.63	20.12
	Het df	1	8	10	21
	Het P	N.S.	N.S.	N.S.	N.S.
Fixed	RR	1.85	1.06	1.05	1.08
	RR1	1.24	0.94	0.90	0.99
	RRu	2.78	1.19	1.22	1.19
	P	++	N.S.	N.S.	(+)
Random	RR	1.85	1.06	1.05	1.08
	RR1	1.24	0.94	0.90	0.99
	RRu	2.78	1.19	1.22	1.19
	P	++	N.S.	N.S.	(+)
Asymm	P		N.S.	N.S.	N.S.
Between	Chi		6.75	6.67	7.06
Between	df		1	1	2
Between	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, 28-JAN-15
 Workers only, if available
 By sex - unadjusted

combined

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
29	PITSAV	8	c	-	-	-	-	1.97	(1.16- 3.34)
31	CHEN	9	c	-	-	-	-	1.70	(0.90- 3.20)
47	GALLO	4	c	-	-	-	-	0.82	(0.56- 1.22)
Partial Totals			0	0	0	0			

*prospective study

male

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
3	LEE	5	m	13	58	17	40	0.53	(0.23- 1.21)
5	SVENDS	3	m	-	-	-	-	1.40	(0.80- 2.50)
9	JACKSO	7	m	-	-	-	-	1.50	(0.80- 3.00)
12	DOBSON	7	m	27	79	48	126	0.90	(0.52- 1.55)
18	MUSCAT	3	m	44	66	24	42	1.17	(0.62- 2.19)
20	STEENL	28	m	-	-	-	-	1.03	(0.89- 1.19)
28	ROSENL	7	m	126	254	68	145	1.06	(0.74- 1.51)
37	STRANG	26	m	134	347	39	98	0.97	(0.64- 1.48)
Partial Totals			344	804	196	451			

*prospective study

female

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
3	LEE	7	f	6	45	30	113	0.50	(0.20- 1.29)
9	JACKSO	5	f	-	-	-	-	2.20	(0.70- 7.40)
12	DOBSON	5	f	5	73	12	124	0.71	(0.24- 2.09)
18	MUSCAT	5	f	20	22	15	16	0.97	(0.38- 2.46)
20	STEENL	29	f	-	-	-	-	1.06	(0.84- 1.34)
22	KAWACH	8	f	-	-	-	-	1.68	(0.81- 3.47)
26	HE1	21	f	33	43	26	83	2.45	(1.30- 4.61)
28	ROSENL	19	f	68	143	57	120	1.00	(0.65- 1.54)
37	STRANG	18	f	52	507	29	272	0.96	(0.60- 1.55)
39	WEN	20	f	-	-	-	-	1.21	(0.74- 2.01)
Partial Totals			184	833	169	728			

*prospective study

combined male female Total

Relative risks

N	3	8	10	21
NS	3	8	10	21
Wt	48.63	282.29	155.39	486.31
Het Chi	8.20	5.35	12.86	27.66
Het df	2	7	9	20
Het P	*	N.S.	N.S.	N.S.
Fixed RR	1.21	1.04	1.11	1.08
RRl	0.92	0.92	0.95	0.99
RRu	1.61	1.17	1.30	1.18
P	N.S.	N.S.	N.S.	(+)
Random RR	1.36	1.04	1.14	1.11
RRl	0.75	0.92	0.92	0.98
RRu	2.47	1.17	1.42	1.25
P	N.S.	N.S.	N.S.	N.S.
Asymm P	N.S.	N.S.	N.S.	N.S.
Between Chi		1.00	0.27	1.24
Between df		1	1	2
Between P		N.S.	N.S.	N.S.

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

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

Table 35
ETS and Heart Disease - Meta-Analysis of Workplace Exposure, 28-JAN-15
 Workers only, if available
 By continent - adjusted

N America			Number Exposed		Non-exposed		RR	95.00%CI
StN	Ref	NRR	SCase	Cont	Case	Cont		
5	SVENDS	3	m	-	-	-	-	1.40 (0.80- 2.50)
18	MUSCAT	4	m	-	-	-	-	1.20 (0.60- 2.20)
18	MUSCAT	6	f	-	-	-	-	1.00 (0.40- 2.50)
Subtotal 18								1.13 (0.66- 1.92)
20	STEENL	28	m	-	-	-	-	1.03 (0.89- 1.19)
20	STEENL	29	f	-	-	-	-	1.06 (0.84- 1.34)
Subtotal 20								1.04 (0.92- 1.17)
22	KAWACH	8	f	-	-	-	-	1.68 (0.81- 3.47)
37	STRANG	26	m	134	347	39	98	0.97 (0.64- 1.48)
37	STRANG	18	f	52	507	29	272	0.96 (0.60- 1.55)
Subtotal 37								0.97 (0.70- 1.33)
Partial Totals			186	854	68	370		
*prospective study								
Europe			Number Exposed		Non-exposed		RR	95.00%CI
StN	Ref	NRR	SCase	Cont	Case	Cont		
3	LEE	6	m	-	-	-	-	0.66 (0.26- 1.66)
3	LEE	8	f	-	-	-	-	0.69 (0.26- 1.87)
Subtotal 3								0.67 (0.34- 1.32)
28	ROSENL	8	m	-	-	-	-	1.14 (0.78- 1.67)
28	ROSENL	20	f	-	-	-	-	0.94 (0.59- 1.50)
Subtotal 28								1.06 (0.79- 1.42)
29	PITSAV	8	c	-	-	-	-	1.97 (1.16- 3.34)
31	CHEN	9	c	-	-	-	-	1.70 (0.90- 3.20)
47	GALLO	5	m	-	-	-	-	0.93 (0.46- 1.90)
47	GALLO	6	f	-	-	-	-	0.76 (0.47- 1.24)
Subtotal 47								0.81 (0.54- 1.21)
Partial Totals			0	0	0	0		
*prospective study								
Asia			Number Exposed		Non-exposed		RR	95.00%CI
StN	Ref	NRR	SCase	Cont	Case	Cont		
26	HE1	22	f	-	-	-	-	1.85 (0.86- 4.00)
39	WEN	20	f	-	-	-	-	1.21 (0.74- 2.01)
Partial Totals			0	0	0	0		
*prospective study								
Other			Number Exposed		Non-exposed		RR	95.00%CI
StN	Ref	NRR	SCase	Cont	Case	Cont		
9	JACKSO	8	m	-	-	-	-	1.80 (0.94- 3.46)
9	JACKSO	6	f	-	-	-	-	1.55 (0.48- 5.03)
Subtotal 9								1.74 (0.98- 3.07)
12	DOBSON	8	m	-	-	-	-	0.95 (0.51- 1.78)
12	DOBSON	6	f	-	-	-	-	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, 28-JAN-15
 Workers only, if available
 By continent - adjusted

		NAmerica	Europe	Asia	Other	Total
Relative risks						
	N	8	8	2	4	22
	NS	5	5	2	2	14
	Wt	323.81	99.83	21.89	23.72	469.26
	Het Chi	3.08	11.40	0.82	2.91	20.12
	Het df	7	7	1	3	21
	Het P	N.S.	N.S.	N.S.	N.S.	N.S.
Fixed	RR	1.06	1.09	1.37	1.24	1.08
	RRl	0.95	0.89	0.90	0.83	0.99
	RRu	1.18	1.32	2.09	1.86	1.19
	P	N.S.	N.S.	N.S.	N.S.	(+)
Random	RR	1.06	1.08	1.37	1.24	1.08
	RRl	0.95	0.83	0.90	0.83	0.99
	RRu	1.18	1.40	2.09	1.86	1.19
	P	N.S.	N.S.	N.S.	N.S.	(+)
Asymm	P	N.S.	N.S.	N.S.	N.S.	N.S.
Between	Chi		0.07	1.41	0.59	1.90
Between	df		1	1	1	3
Between	P		N.S.	N.S.	N.S.	N.S.

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

Table 36
ETS and Heart Disease - Meta-Analysis of Workplace Exposure, 28-JAN-15
 Workers only, if available
 By continent - unadjusted

NAmerica

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
5	SVENDS	3	m	-	-	-	-	1.40 (0.80- 2.50)
18	MUSCAT	3	m	44	66	24	42	1.17 (0.62- 2.19)
18	MUSCAT	5	f	20	22	15	16	0.97 (0.38- 2.46)
Subtotal 18								1.10 (0.65- 1.85)
20	STEENL	28	m	-	-	-	-	1.03 (0.89- 1.19)
20	STEENL	29	f	-	-	-	-	1.06 (0.84- 1.34)
Subtotal 20								1.04 (0.92- 1.17)
22	KAWACH	8	f	-	-	-	-	1.68 (0.81- 3.47)
37	STRANG	26	m	134	347	39	98	0.97 (0.64- 1.48)
37	STRANG	18	f	52	507	29	272	0.96 (0.60- 1.55)
Subtotal 37								0.97 (0.70- 1.33)
Partial Totals				250	942	107	428	

*prospective study

Europe

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
3	LEE	5	m	13	58	17	40	0.53 (0.23- 1.21)
3	LEE	7	f	6	45	30	113	0.50 (0.20- 1.29)
Subtotal 3								0.52 (0.28- 0.96)
28	ROSENL	7	m	126	254	68	145	1.06 (0.74- 1.51)
28	ROSENL	19	f	68	143	57	120	1.00 (0.65- 1.54)
Subtotal 28								1.03 (0.79- 1.36)
29	PITSAV	8	c	-	-	-	-	1.97 (1.16- 3.34)
31	CHEN	9	c	-	-	-	-	1.70 (0.90- 3.20)
47	GALLO	4	c	-	-	-	-	0.82 (0.56- 1.22)
Partial Totals				213	500	172	418	

*prospective study

Asia

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
26	HEL	21	f	33	43	26	83	2.45 (1.30- 4.61)
39	WEN	20	f	-	-	-	-	1.21 (0.74- 2.01)
Partial Totals				33	43	26	83	

*prospective study

Other

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
9	JACKSO	7	m	-	-	-	-	1.50 (0.80- 3.00)
9	JACKSO	5	f	-	-	-	-	2.20 (0.70- 7.40)
Subtotal 9								1.64 (0.92- 2.93)
12	DOBSON	7	m	27	79	48	126	0.90 (0.52- 1.55)
12	DOBSON	5	f	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, 28-JAN-15
 Workers only, if available
 By continent - unadjusted

		NAmerica	Europe	Asia	Other	Total
Relative risks						
	N	8	7	2	4	21
	NS	5	5	2	2	14
	Wt	324.26	109.47	25.00	27.58	486.31
	Het Chi	3.05	14.27	2.94	3.33	27.66
	Het df	7	6	1	3	20
	Het P	N.S.	*	(*)	N.S.	N.S.
Fixed	RR	1.05	1.04	1.59	1.12	1.08
	RRl	0.95	0.86	1.07	0.77	0.99
	RRu	1.18	1.26	2.35	1.63	1.18
	P	N.S.	N.S.	+	N.S.	(+)
Random	RR	1.05	1.03	1.67	1.13	1.11
	RRl	0.95	0.76	0.84	0.76	0.98
	RRu	1.18	1.40	3.34	1.69	1.25
	P	N.S.	N.S.	N.S.	N.S.	N.S.
Asymm	P	N.S.	N.S.	N.S.	N.S.	N.S.
Between	Chi		0.01	3.87	0.10	4.07
Between	df		1	1	1	3
Between	P		N.S.	+	N.S.	N.S.

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

Table 37
ETS and Heart Disease - Meta-Analysis of Workplace Exposure, 28-JAN-15
 Workers only, if available
 By publication year (grouped) - adjusted

1984-89

StN Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
		SCase	Cont	Case	Cont		
3	LEE 6	m	-	-	-	0.66	(0.26- 1.66)
3	LEE 8	f	-	-	-	0.69	(0.26- 1.87)
Subtotal 3						0.67	(0.34- 1.32)
5	SVENDS 3	m	-	-	-	1.40	(0.80- 2.50)
9	JACKSO 8	m	-	-	-	1.80	(0.94- 3.46)
9	JACKSO 6	f	-	-	-	1.55	(0.48- 5.03)
Subtotal 9						1.74	(0.98- 3.07)
Partial Totals			0	0	0		

*prospective study

1990-97

StN Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
		SCase	Cont	Case	Cont		
12	DOBSON 8	m	-	-	-	0.95	(0.51- 1.78)
12	DOBSON 6	f	-	-	-	0.66	(0.17- 2.62)
Subtotal 12						0.89	(0.51- 1.57)
18	MUSCAT 4	m	-	-	-	1.20	(0.60- 2.20)
18	MUSCAT 6	f	-	-	-	1.00	(0.40- 2.50)
Subtotal 18						1.13	(0.66- 1.92)
20	STEENL 28	m	-	-	-	1.03	(0.89- 1.19)
20	STEENL 29	f	-	-	-	1.06	(0.84- 1.34)
Subtotal 20						1.04	(0.92- 1.17)
22	KAWACH 8	f	-	-	-	1.68	(0.81- 3.47)
Partial Totals			0	0	0		

*prospective study

1998-04

StN Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
		SCase	Cont	Case	Cont		
26	HE1 22	f	-	-	-	1.85	(0.86- 4.00)
28	ROSENL 8	m	-	-	-	1.14	(0.78- 1.67)
28	ROSENL 20	f	-	-	-	0.94	(0.59- 1.50)
Subtotal 28						1.06	(0.79- 1.42)
29	PITSAV 8	c	-	-	-	1.97	(1.16- 3.34)
31	CHEN 9	c	-	-	-	1.70	(0.90- 3.20)
Partial Totals			0	0	0		

*prospective study

2005-07

StN Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
		SCase	Cont	Case	Cont		
37	STRANG 26	m	134	347	39	98	0.97 (0.64- 1.48)
37	STRANG 18	f	52	507	29	272	0.96 (0.60- 1.55)
Subtotal 37							0.97 (0.70- 1.33)
39	WEN 20	f	-	-	-	-	1.21 (0.74- 2.01)
Partial Totals			186	854	68	370	

*prospective study

2008 onwards

StN Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
		SCase	Cont	Case	Cont		
47	GALLO 5	m	-	-	-	-	0.93 (0.46- 1.90)
47	GALLO 6	f	-	-	-	-	0.76 (0.47- 1.24)
Subtotal 47							0.81 (0.54- 1.21)
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 37
ETS and Heart Disease - Meta-Analysis of Workplace Exposure, 28-JAN-15
 Workers only, if available
 By publication year (grouped) - adjusted

		1984-89	1990-97	1998-04	2005-07	2008 onwa	Total
Relative risks							
	N	5	7	5	3	2	22
	NS	3	4	4	2	1	14
	Wt	32.09	285.37	73.95	53.88	23.96	469.26
	Het Chi	4.70	2.39	6.16	0.55	0.21	20.12
	Het df	4	6	4	2	1	21
	Het P	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
Fixed	RR	1.25	1.05	1.32	1.03	0.81	1.08
	RRl	0.89	0.93	1.05	0.79	0.54	0.99
	RRu	1.77	1.18	1.66	1.35	1.21	1.19
	P	N.S.	N.S.	+	N.S.	N.S.	(+)
Random	RR	1.23	1.05	1.37	1.03	0.81	1.08
	RRl	0.84	0.93	1.02	0.79	0.54	0.99
	RRu	1.80	1.18	1.84	1.35	1.21	1.19
	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		0.90	0.07	0.76	2.59	6.10
Between	df		1	1	1	1	4
Between	P		N.S.	N.S.	N.S.	N.S.	N.S.

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

Table 38
ETS and Heart Disease - Meta-Analysis of Workplace Exposure, 28-JAN-15
 Workers only, if available
 By publication year (grouped) - unadjusted

1984-89

StN Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
		SCase	Cont	Case	Cont		
3	LEE 5	m	13	58	17	40	0.53 (0.23- 1.21)
3	LEE 7	f	6	45	30	113	0.50 (0.20- 1.29)
Subtotal 3							0.52 (0.28- 0.96)
5	SVENDS 3	m	-	-	-	-	1.40 (0.80- 2.50)
9	JACKSO 7	m	-	-	-	-	1.50 (0.80- 3.00)
9	JACKSO 5	f	-	-	-	-	2.20 (0.70- 7.40)
Subtotal 9							1.64 (0.92- 2.93)
Partial Totals			19	103	47	153	

*prospective study

1990-97

StN Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
		SCase	Cont	Case	Cont		
12	DOBSON 7	m	27	79	48	126	0.90 (0.52- 1.55)
12	DOBSON 5	f	5	73	12	124	0.71 (0.24- 2.09)
Subtotal 12							0.85 (0.52- 1.39)
18	MUSCAT 3	m	44	66	24	42	1.17 (0.62- 2.19)
18	MUSCAT 5	f	20	22	15	16	0.97 (0.38- 2.46)
Subtotal 18							1.10 (0.65- 1.85)
20	STEENL 28	m	-	-	-	-	1.03 (0.89- 1.19)
20	STEENL 29	f	-	-	-	-	1.06 (0.84- 1.34)
Subtotal 20							1.04 (0.92- 1.17)
22	KAWACH 8	f	-	-	-	-	1.68 (0.81- 3.47)
Partial Totals			96	240	99	308	

*prospective study

1998-04

StN Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
		SCase	Cont	Case	Cont		
26	HEI 21	f	33	43	26	83	2.45 (1.30- 4.61)
28	ROSENL 7	m	126	254	68	145	1.06 (0.74- 1.51)
28	ROSENL 19	f	68	143	57	120	1.00 (0.65- 1.54)
Subtotal 28							1.03 (0.79- 1.36)
29	PITSAV 8	c	-	-	-	-	1.97 (1.16- 3.34)
31	CHEN 9	c	-	-	-	-	1.70 (0.90- 3.20)
Partial Totals			227	440	151	348	

*prospective study

2005-07

StN Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
		SCase	Cont	Case	Cont		
37	STRANG 26	m	134	347	39	98	0.97 (0.64- 1.48)
37	STRANG 18	f	52	507	29	272	0.96 (0.60- 1.55)
Subtotal 37							0.97 (0.70- 1.33)
39	WEN 20	f	-	-	-	-	1.21 (0.74- 2.01)
Partial Totals			186	854	68	370	

*prospective study

2008 onwards

StN Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
		SCase	Cont	Case	Cont		
47	GALLO 4	c	-	-	-	-	0.82 (0.56- 1.22)
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 38
ETS and Heart Disease - Meta-Analysis of Workplace Exposure, 28-JAN-15
 Workers only, if available
 By publication year (grouped) - unadjusted

		1984-89	1990-97	1998-04	2005-07	2008 onwa	Total
Relative risks							
	N	5	7	5	3	1	21
	NS	3	4	4	2	1	14
	Wt	33.34	289.96	83.79	53.88	25.34	486.31
	Het Chi	8.56	2.62	9.54	0.55	0.00	27.66
	Het df	4	6	4	2	0	20
	Het P	(*)	N.S.	*	N.S.	N.S.	N.S.
Fixed	RR	1.10	1.04	1.34	1.03	0.82	1.08
	RRl	0.78	0.93	1.08	0.79	0.56	0.99
	RRu	1.54	1.17	1.66	1.35	1.21	1.18
	P	N.S.	N.S.	++	N.S.	N.S.	(+)
Random	RR	1.05	1.04	1.46	1.03	0.82	1.11
	RRl	0.62	0.93	1.03	0.79	0.56	0.98
	RRu	1.76	1.17	2.05	1.35	1.21	1.25
	P	N.S.	N.S.	+	N.S.	N.S.	N.S.
Asymm	P	N.S.	N.S.	*	N.S.	N.S.	N.S.
Between	Chi		0.08	0.96	0.09	1.24	6.38
Between	df		1	1	1	1	4
Between	P		N.S.	N.S.	N.S.	N.S.	N.S.

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

Table 39
ETS and Heart Disease - Meta-Analysis of Total Exposure, 28-JAN-15
 Overall - adjusted

Overall

StN	Ref	NRR	SCase	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
3	LEE	9	m	15	70	15	27	0.39 (0.17- 0.90)
3	LEE	10	f	13	82	23	75	0.52 (0.24- 1.09)
Subtotal 3								0.45 (0.26- 0.79)
5	SVENDS	4	m	-	-	-	-	1.17 (0.62- 1.19)
9	JACKSO	16	m	-	-	-	-	1.14 (0.76- 1.70)
9	JACKSO	14	f	-	-	-	-	1.56 (0.76- 3.20)
Subtotal 9								1.23 (0.86- 1.75)
12	DOBSON	12	m	-	-	-	-	1.09 (0.72- 1.63)
12	DOBSON	10	f	-	-	-	-	2.24 (1.28- 3.91)
Subtotal 12								1.40 (1.01- 1.95)
19	TUNSTA	2	c	-	-	-	-	1.34 (1.07- 1.67)
22	KAWACH	1	f	-	-	-	-	1.71 (1.03- 2.84)
24	MCELDU	4	m	-	-	-	-	0.82 (0.55- 1.22)
24	MCELDU	2	f	-	-	-	-	2.15 (1.18- 3.92)
Subtotal 24								1.10 (0.79- 1.53)
26	HE1	51	f	48	76	11	50	2.87 (1.36- 6.05)
27	IRIBAR	14	m	-	-	-	-	1.07 (0.96- 1.19)
27	IRIBAR	29	f	-	-	-	-	1.10 (1.01- 1.20)
Subtotal 27								1.09 (1.02- 1.16)
28	ROSENL	46	c	-	-	-	-	1.18 (0.87- 1.60)
29	PITSAV	4	m	-	-	-	-	1.33 (0.94- 1.88)
29	PITSAV	7	f	-	-	-	-	1.39 (0.87- 2.23)
Subtotal 29								1.35 (1.02- 1.79)
31	CHEN	4	c	-	-	-	-	1.50 (1.03- 2.20)
32	NISHTA	1	c	-	-	-	-	2.87 (1.28- 6.42)
37	STRANG	12	m	-	-	-	-	1.11 (0.69- 1.77)
37	STRANG	6	f	-	-	-	-	0.58 (0.33- 1.03)
Subtotal 37								0.85 (0.59- 1.23)
38	TEO	1	c	-	-	-	-	1.37 (1.27- 1.48)
39	WEN	24	f	-	-	-	-	1.25 (0.69- 2.25)
43	HE2	8	f	-	-	-	-	1.69 (1.31- 2.18)
45	VOZORI	2	c	-	-	-	-	1.00 (0.80- 1.20)
50	PEINEM	1	c	33	379	95	1387	1.27 (0.84- 1.92)
51	CHEN2	1	c	133	675	272	1601	1.16 (0.93- 1.45)
52	HE3	2	m	-	-	-	-	2.24 (0.76- 6.59)
52	HE3	4	f	-	-	-	-	2.10 (0.69- 6.33)
Subtotal 52								2.17 (1.00- 4.70)
54	TROMSO	30	m	-	-	-	-	0.97 (0.61- 1.55)
54	TROMSO	32	f	-	-	-	-	0.70 (0.44- 1.12)
Subtotal 54								0.82 (0.59- 1.15)
55	KASTOR	2	c	-	-	-	-	4.33 (1.52- 12.38)
Partial Totals				242	1282	416	3140	

*prospective study

StN	Ref	NRR	SEX	TIM	TYS	Ws	Qs	Ps
3	LEE	9	m	c	-0.95	5.42	7.07	0.0266
3	LEE	10	f	c	-0.66	6.85	4.95	0.0841
Subtotal 3					-0.79	12.27	12.03	
5	SVENDS	4	m	c	0.16	36.15	0.04	0.3452
9	JACKSO	16	m	c	0.13	23.71	0.08	0.5235
9	JACKSO	14	f	c	0.44	7.44	0.48	0.2253
Subtotal 9					0.21	31.14	0.56	
12	DOBSON	12	m	c	0.09	23.02	0.25	0.6793
12	DOBSON	10	f	c	0.81	12.32	4.68	0.0046
Subtotal 12					0.34	35.34	4.93	
19	TUNSTA	2	c	c	0.29	77.54	0.81	0.0100
22	KAWACH	1	f	c	0.54	14.94	1.79	0.0381
24	MCELDU	4	m	c	-0.20	24.21	3.66	0.3288
24	MCELDU	2	f	c	0.77	10.66	3.53	0.0124
Subtotal 24					0.10	34.87	7.19	
26	HE1	51	f	e	1.05	6.90	5.15	0.0056
27	IRIBAR	14	m	c	0.07	333.11	5.01	0.2169
27	IRIBAR	29	f	c	0.10	517.16	4.67	0.0302
Subtotal 27					0.08	850.27	9.68	

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

Values are also shown for:

- 1) TIM Time of exposure = current (c), ever (e), in last 10 years (t)
- 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, 28-JAN-15
 Overall - adjusted

Overall

StN	Ref	NRR	SEX	TIM	TYs	Ws	Qs	Ps
28	ROSENL	46	c	e	0.17	41.39	0.03	0.2869
29	PITSAV	4	m	c	0.29	31.98	0.29	0.1068
29	PITSAV	7	f	c	0.33	17.34	0.33	0.1703
Subtotal 29						49.33	0.62	
31	CHEN	4	c	c	0.41	26.68	1.23	0.0362
32	NISHTA	1	c	e	1.05	5.91	4.41	0.0104
37	STRANG	12	m	e	0.10	17.31	0.13	0.6641
37	STRANG	6	f	e	-0.54	11.86	6.41	0.0607
Subtotal 37						-0.16	29.18	6.54
38	TEO	1	c	c	0.31	656.19	10.17	0.0000
39	WEN	24	f	e	0.22	11.00	0.01	0.4593
43	HE2	8	f	t	0.52	59.24	6.62	0.0001
45	VOZORI	2	c	c	0.00	93.46	3.39	1.0000
50	PEINEM	1	c	c	0.24	22.63	0.06	0.2536
51	CHEN2	1	c	e	0.15	75.18	0.13	0.1987
52	HE3	2	m	e	0.81	3.29	1.25	0.1433
52	HE3	4	f	e	0.74	3.13	0.95	0.1894
Subtotal 52						0.78	6.42	2.20
54	TROMSO	30	m	c	-0.03	17.67	0.86	0.8981
54	TROMSO	32	f	c	-0.36	17.60	5.27	0.1345
Subtotal 54						-0.19	35.27	6.13
55	KASTOR	2	c	e	1.47	3.49	5.68	0.0062

Relative risks

N	32
NS	23
Wt	2214.79
Het Chi	89.40
Het df	31
Het P	***
Fixed RR	1.21
RRl	1.16
RRu	1.26
P	+++
Random RR	1.23
RRl	1.11
RRu	1.35
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), in last 10 years (t)
- 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, 28-JAN-15
 Overall - unadjusted

Overall

StN	Ref	NRR	SCase	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
3	LEE	9	m	15	70	15	27	0.39 (0.17- 0.90)
3	LEE	10	f	13	82	23	75	0.52 (0.24- 1.09)
Subtotal 3								
5	SVENDS	4	m	-	-	-	-	1.17 (0.62- 1.19)
9	JACKSO	15	m	69	138	161	397	1.23 (0.88- 1.74)
9	JACKSO	13	f	15	66	58	336	1.32 (0.70- 2.46)
Subtotal 9								
12	DOBSON	11	m	69	153	189	326	0.78 (0.56- 1.09)
12	DOBSON	9	f	33	168	76	434	1.12 (0.72- 1.75)
Subtotal 12								
19	TUNSTA	1	c	329	1216	99	483	0.89 (0.68- 1.16)
22	KAWACH	1	f	-	-	-	-	1.32 (1.03- 1.69)
24	MCELDU	3	m	53	172	145	373	1.71 (1.03- 2.84)
24	MCELDU	1	f	31	147	54	479	0.79 (0.55- 1.14)
Subtotal 24								
26	HE1	51	f	48	76	11	50	1.87 (1.16- 3.02)
27	IRIBAR	14	m	-	-	-	-	1.08 (0.81- 1.45)
27	IRIBAR	29	f	-	-	-	-	2.87 (1.36- 6.05)
Subtotal 27								
28	ROSENL	45	c	240	474	77	177	1.10 (1.01- 1.20)
29	PITSAV	1	c	197	167	82	400	1.09 (1.02- 1.16)
31	CHEN	18	c	332	1208	53	261	1.16 (0.85- 1.59)
32	NISHTA	1	c	-	-	-	-	5.75 (4.20- 7.88)
37	STRANG	11	m	128	297	45	148	1.35 (0.98- 1.86)
37	STRANG	5	f	56	519	25	260	2.87 (1.28- 6.42)
Subtotal 37								
38	TEO	1	c	-	-	-	-	1.42 (0.96- 2.10)
39	WEN	24	f	-	-	-	-	1.12 (0.68- 1.84)
43	HE2	1	f	200	277	231	501	1.29 (0.95- 1.76)
45	VOZORI	1	c	293	11991	1480	34776	1.37 (1.27- 1.48)
50	PEINEM	1	c	33	379	95	1387	1.25 (0.69- 2.25)
51	CHEN2	1	c	133	675	272	1601	1.57 (1.23- 1.99)
52	HE3	1	m	14	271	5	168	0.57 (0.51- 0.65)
52	HE3	3	f	18	340	4	131	1.27 (0.84- 1.92)
Subtotal 52								
54	TROMSO	29	m	-	-	-	-	1.16 (0.93- 1.45)
54	TROMSO	31	f	-	-	-	-	1.74 (0.64- 4.73)
Subtotal 54								
55	KASTOR	1	c	32	37	20	62	1.73 (0.60- 5.03)
Partial Totals								
				2351	18923	3220	42852	1.73 (0.84- 3.60)

*prospective study

StN	Ref	NRR	SEX	TIM	TYS	Ws	Qs	Ps
3	LEE	9	m	c	-0.95	5.42	6.48	0.0266
3	LEE	10	f	c	-0.66	6.85	4.40	0.0841
Subtotal 3								
5	SVENDS	4	m	c	0.16	36.15	0.01	0.3452
9	JACKSO	15	m	c	0.21	32.82	0.15	0.2303
9	JACKSO	13	f	c	0.28	9.80	0.17	0.3892
Subtotal 9								
12	DOBSON	11	m	c	-0.25	34.03	5.25	0.1429
12	DOBSON	9	f	c	0.11	19.34	0.01	0.6135
Subtotal 12								
19	TUNSTA	1	c	c	0.28	62.37	1.16	0.0283
22	KAWACH	1	f	c	0.54	14.94	2.33	0.0381
24	MCELDU	3	m	c	-0.23	29.19	4.08	0.2093
24	MCELDU	1	f	c	0.63	16.76	3.94	0.0104
Subtotal 24								
26	HE1	51	f	e	1.05	6.90	5.75	0.0056
27	IRIBAR	14	m	c	0.07	333.11	1.81	0.2169
27	IRIBAR	29	f	c	0.10	517.16	1.10	0.0302
Subtotal 27								
28	ROSENL	45	c	e	0.15	40.14	0.00	0.3363
29	PITSAV	1	c	c	1.75	38.82	100.44	0.0000

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

Values are also shown for:

- 1) TIM Time of exposure = current (c), ever (e), in last 10 years (t)
- 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, 28-JAN-15
 Overall - unadjusted

Overall

StN	Ref	NRR	SEX	TIM	TYs	Ws	Qs	Ps
31	CHEN	18	c	c	0.30	37.68	0.98	0.0632
32	NISHTA	1	c	e	1.05	5.91	4.92	0.0104
37	STRANG	11	m	e	0.35	24.90	1.07	0.0817
37	STRANG	5	f	e	0.12	15.72	0.01	0.6477
Subtotal 37					0.26	40.62	1.08	
38	TEO	1	c	c	0.31	656.19	19.72	0.0000
39	WEN	24	f	e	0.22	11.00	0.07	0.4593
43	HE2	1	f	t	0.45	66.96	6.31	0.0002
45	VOZORI	1	c	c	-0.55	238.05	115.42	0.0000
50	PEINEM	1	c	c	0.24	22.63	0.22	0.2536
51	CHEN2	1	c	e	0.15	75.18	0.00	0.1987
52	HE3	1	m	e	0.55	3.82	0.64	0.2811
52	HE3	3	f	e	0.55	3.39	0.57	0.3109
Subtotal 52					0.55	7.21	1.21	
54	TROMSO	29	m	c	0.05	20.39	0.18	0.8256
54	TROMSO	31	f	c	-0.20	21.81	2.52	0.3540
Subtotal 54					-0.08	42.20	2.70	
55	KASTOR	1	c	e	0.99	8.04	5.74	0.0052

Relative risks

	N	31
	NS	23
	Wt	2415.45
	Het Chi	295.47
	Het df	30
	Het P	***
Fixed	RR	1.15
	RRl	1.11
	RRu	1.20
	P	+++
Random	RR	1.26
	RRl	1.09
	RRu	1.47
	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), in last 10 years (t)
- 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, 28-JAN-15
 By biomarker type - adjusted

Cotinine

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
19	TUNSTA	10	c	-	-	-	1.13	(0.93- 1.38)
31	CHEN	8	c	-	-	-	0.86	(0.64- 1.16)
33	WHINCU	8	m	-	-	-	1.67	(1.03- 2.72)
48	HAMER	3	c	-	-	-	1.50	(0.85- 2.64)
49	JEFFER	7	c	-	-	-	0.94	(0.59- 1.51)
56	HALS2	14	m	-	-	-	0.49	(0.19- 1.25)
56	HALS2	16	f	-	-	-	1.26	(0.70- 2.24)
Subtotal 56							0.97	(0.59- 1.59)
Partial Totals			0	0	0	0		

*prospective study

COHb

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
36	HEDBLA	8	m	-	-	-	2.22	(1.21- 4.09)
Partial Totals			0	0	0	0		

*prospective study

	Cotinine	COHb	Total			
Relative risks						
	N	7	1			8
	NS	6	1			7
	Wt	203.45	10.36			213.81
	Het Chi	10.14	0.00			15.15
	Het df	6	0			7
	Het P	N.S.	N.S.			*
	Fixed RR	1.09	2.22			1.13
	RRl	0.95	1.21			0.99
	RRu	1.25	4.08			1.29
	P	N.S.	+			(+)
	Random RR	1.09	2.22			1.17
	RRl	0.89	1.21			0.93
	RRu	1.35	4.08			1.48
	P	N.S.	+			N.S.
	Asymm P	N.S.				N.S.
	Between Chi		5.01			5.01
	Between df		1			1
	Between P		+	N.S.	N.S.	N.S.
						*

Table 42
ETS and Heart Disease - Meta-Analysis of ETS Exposure assessed by Biomarker, 28-JAN-15
 By biomarker type - unadjusted

Cotinine

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
19	TUNSTA	9	c 299	1120	129	580	1.20 (	0.95- 1.51)
31	CHEN	22	c 252	939	77	291	1.01 (	0.76- 1.35)
33	WHINCU	4	m -	-	-	-	1.42 (	0.91- 2.22)
48	HAMER	6	c -	-	-	-	1.51 (	0.87- 2.63)
49	JEFFER	3	c -	-	-	-	0.97 (	0.61- 1.53)
56	HALS2	13	m -	-	-	-	0.64 (	0.27- 1.52)
56	HALS2	15	f -	-	-	-	1.49 (	0.85- 2.63)
Subtotal 56							1.16 (	0.72- 1.86)
Partial Totals			551	2059	206	871		

*prospective study

COHb

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
36	HEDBLA	4	m -	-	-	-	2.10 (	1.18- 3.73)
Partial Totals			0	0	0	0		

*prospective study

	Cotinine	COHb	Total				
Relative risks							
	N	7	1				8
	NS	6	1				7
	Wt	186.76	11.60				198.37
	Het Chi	5.74	0.00				9.58
	Het df	6	0				7
	Het P	N.S.	N.S.				N.S.
Fixed	RR	1.16	2.10				1.20
	RRl	1.01	1.18				1.05
	RRu	1.34	3.73				1.38
	P	+	+				++
Random	RR	1.16	2.10				1.22
	RRl	1.01	1.18				1.02
	RRu	1.34	3.73				1.46
	P	+	+				+
Asymm	P	N.S.					N.S.
Between	Chi		3.84				3.84
Between	df		1				1
Between	P		(+)	N.S.	N.S.	N.S.	(*)

Table 43
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 28-JAN-15
 Excluding Enstrom
 Overall - adjusted

Overall			Number Exposed		Non-exposed		RR	95.00%CI
StN	Ref	NRR	SCase	Cont	Case	Cont		
1	HIRAYA	6	f	-	-	-	-	1.16 (0.94- 1.43)
2	GARLAN	5	f	-	-	-	-	2.70 (0.63- 11.58)
3	LEE	2	m	-	-	-	-	1.24 (0.58- 2.67)
3	LEE	4	f	-	-	-	-	0.93 (0.53- 1.64)
Subtotal 3								1.03 (0.65- 1.62)
4	MARTIN	1	f	-	-	-	-	2.60 (1.20- 5.70)
5	SVENDS	2	m	-	-	-	-	1.61 (0.96- 2.71)
6	BUTLER	2	f	-	-	-	-	1.07 (0.65- 1.75)
8	HOLE	3	m	-	-	-	-	1.73 (1.01- 2.96)
8	HOLE	2	f	-	-	-	-	1.65 (0.79- 3.46)
Subtotal 8								1.70 (1.10- 2.63)
9	JACKSO	4	m	-	-	-	-	1.06 (0.39- 2.91)
9	JACKSO	2	f	-	-	-	-	3.74 (1.15- 12.19)
Subtotal 9								1.80 (0.84- 3.87)
10	SANDLE	2	m	-	-	-	-	1.31 (1.05- 1.64)
10	SANDLE	4	f	-	-	-	-	1.19 (1.04- 1.36)
Subtotal 10								1.22 (1.09- 1.37)
11	HUMBLE	1	f	-	-	-	-	1.59 (0.99- 2.57)
12	DOBSON	4	m	-	-	-	-	0.97 (0.50- 1.86)
12	DOBSON	2	f	-	-	-	-	2.46 (1.47- 4.13)
Subtotal 12								1.72 (1.15- 2.59)
13	GARDIN	2	c	-	-	-	-	0.57 (0.19- 1.74)
14	LAVECC	2	m	9	21	55	140	1.09 (0.47- 2.53)
14	LAVECC	1	f	32	39	11	17	1.27 (0.52- 3.09)
Subtotal 14								1.17 (0.64- 2.16)
15	LAYARD	2	m	-	-	-	-	0.97 (0.73- 1.28)
15	LAYARD	10	f	-	-	-	-	0.99 (0.84- 1.16)
Subtotal 15								0.98 (0.86- 1.13)
16	LEVOIS	1	m	-	-	-	-	0.97 (0.90- 1.05)
16	LEVOIS	6	f	-	-	-	-	1.03 (0.98- 1.08)
Subtotal 16								1.01 (0.97- 1.06)
18	MUSCAT	1	m	20	25	48	83	1.38 (0.70- 2.75)
18	MUSCAT	2	f	28	27	18	23	1.33 (0.59- 2.99)
Subtotal 18								1.36 (0.80- 2.30)
19	TUNSTA	2	c	-	-	-	-	1.34 (1.07- 1.67)
20	STEENL	3	m	-	-	-	-	1.09 (0.98- 1.21)
20	STEENL	4	f	-	-	-	-	1.04 (0.93- 1.16)
Subtotal 20								1.07 (0.99- 1.15)
21	JANGHO	1	f	63	100	137	300	1.38 (0.95- 2.01)
22	KAWACH	11	f	-	-	-	-	1.53 (0.81- 2.90)
23	CIRUZZ	7	m	-	-	-	-	1.18 (0.55- 2.52)
23	CIRUZZ	8	f	-	-	-	-	1.73 (0.89- 3.36)
Subtotal 23								1.47 (0.89- 2.42)
24	MCELDU	4	m	-	-	-	-	0.82 (0.55- 1.22)
24	MCELDU	2	f	-	-	-	-	2.15 (1.18- 3.92)
Subtotal 24								1.10 (0.79- 1.53)
26	HE1	2	f	-	-	-	-	1.60 (0.94- 2.90)
27	IRIBAR	4	m	-	-	-	-	1.13 (1.00- 1.27)
27	IRIBAR	19	f	-	-	-	-	1.20 (1.09- 1.30)
Subtotal 27								1.17 (1.09- 1.26)
28	ROSENL	2	m	-	-	-	-	0.96 (0.64- 1.44)
28	ROSENL	14	f	-	-	-	-	1.53 (0.95- 2.44)
Subtotal 28								1.17 (0.86- 1.59)
29	PITSAV	9	c	-	-	-	-	1.33 (0.89- 1.99)
31	CHEN	10	c	-	-	-	-	1.20 (0.70- 2.20)
32	NISHTA	3	c	-	-	-	-	2.38 (1.04- 5.42)
34	MCGHEE	1	m	-	-	-	-	1.30 (0.88- 1.93)
34	MCGHEE	2	f	-	-	-	-	1.39 (0.95- 2.04)
Subtotal 34								1.35 (1.02- 1.77)
35	QURESH	1	f	-	-	-	-	1.05 (0.81- 1.38)
37	STRANG	22	m	156	370	39	91	0.98 (0.65- 1.50)
37	STRANG	14	f	78	671	11	123	1.30 (0.67- 2.51)
Subtotal 37								1.07 (0.75- 1.52)
38	TEO	1	c	-	-	-	-	1.37 (1.27- 1.48)

 Within each study, 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), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 Overall - adjusted

Overall		Number Exposed		Non-exposed		RR	95.00%CI
StN	Ref	NRR	SCase	Cont	Case			Cont
39	WEN	17	f	-	-	-	0.99 (0.72- 1.37)
41	HILL1	2	m	-	-	-	1.04 (0.88- 1.23)
41	HILL1	4	f	-	-	-	0.98 (0.83- 1.17)
Subtotal 41							1.01 (0.90- 1.14)
42	HILL2	2	m	-	-	-	1.18 (0.96- 1.44)
42	HILL2	4	f	-	-	-	1.27 (0.98- 1.66)
Subtotal 42							1.21 (1.03- 1.42)
43	HE2	8	f	-	-	-	1.69 (1.31- 2.18)
44	SULO	2	m	-	-	-	1.68 (0.81- 3.47)
44	SULO	4	f	-	-	-	1.19 (0.25- 5.64)
Subtotal 44							1.58 (0.82- 3.05)
45	VOZORI	2	c	-	-	-	1.00 (0.80- 1.20)
46	DING	2	f	-	-	-	1.52 (1.01- 2.27)
47	GALLO	17	c	-	-	-	1.99 (0.92- 4.29)
49	JEFFER	2	c	-	-	-	2.41 (1.04- 5.59)
50	PEINEM	1	c	33	379	95	1.27 (0.84- 1.92)
51	CHEN2	1	c	133	675	272	1.16 (0.93- 1.45)
52	HE3	2	m	-	-	-	2.24 (0.76- 6.59)
52	HE3	4	f	-	-	-	2.10 (0.69- 6.33)
Subtotal 52							2.17 (1.00- 4.70)
53	CLARK	4	m	-	-	-	1.98 (1.00- 3.93)
53	CLARK	3	f	-	-	-	0.94 (0.67- 1.32)
Subtotal 53							1.09 (0.80- 1.48)
54	TROMSO	2	m	-	-	-	0.91 (0.61- 1.35)
54	TROMSO	16	f	-	-	-	1.42 (1.06- 1.90)
Subtotal 54							1.21 (0.96- 1.54)
55	KASTOR	2	c	-	-	-	4.33 (1.52- 12.38)
56	HALS2	2	m	-	-	-	1.26 (0.37- 4.31)
56	HALS2	4	f	-	-	-	1.12 (0.55- 2.28)
Subtotal 56							1.15 (0.62- 2.13)
Partial Totals			552	2307	686	3765	
*prospective study							

StN	Ref	NRR	SEX	EXP	TYS	Ws	Qs	Ps
1	HIRAYA	6	f	s	0.15	87.29	0.09	0.1655
2	GARLAN	5	f	s	0.99	1.81	1.39	0.1811
3	LEE	2	m	s	0.22	6.59	0.06	0.5808
3	LEE	4	f	s	-0.07	12.04	0.43	0.8012
Subtotal 3					0.03	18.63	0.50	
4	MARTIN	1	f	s	0.96	6.33	4.45	0.0162
5	SVENDS	2	m	s	0.48	14.27	1.84	0.0720
6	BUTLER	2	f	s	0.07	15.67	0.04	0.7889
8	HOLE	3	m	h	0.55	13.29	2.47	0.0457
8	HOLE	2	f	h	0.50	7.04	1.04	0.1838
Subtotal 8					0.53	20.33	3.50	
9	JACKSO	4	m	h	0.06	3.80	0.01	0.9095
9	JACKSO	2	f	h	1.32	2.76	3.98	0.0285
Subtotal 9					0.59	6.56	4.00	
10	SANDLE	2	m	h	0.27	77.28	1.80	0.0176
10	SANDLE	4	f	h	0.17	213.52	0.69	0.0110
Subtotal 10					0.20	290.80	2.49	
11	HUMBLE	1	f	s	0.46	16.88	2.03	0.0567
12	DOBSON	4	m	h	-0.03	8.90	0.19	0.9276
12	DOBSON	2	f	h	0.90	14.40	8.83	0.0006
Subtotal 12					0.54	23.30	9.02	
13	GARDIN	2	c	s	-0.56	3.13	1.45	0.3198
14	LAVECC	2	m	s	0.09	5.43	0.00	0.8393
14	LAVECC	1	f	s	0.24	4.84	0.07	0.6013
Subtotal 14					0.16	10.27	0.07	
15	LAYARD	2	m	s	-0.03	48.72	1.06	0.8316
15	LAYARD	10	f	s	-0.01	147.49	2.39	0.9029
Subtotal 15					-0.02	196.21	3.45	
16	LEVOIS	1	m	s	-0.03	646.64	14.10	0.4386

 Within each study, 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), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 Overall - adjusted

Overall

StN	Ref	NRR	SEX	EXP	TYs	Ws	Qs	Ps
16	LEVOIS	6	f	s	0.03	1627.60	12.50	0.2331
Subtotal 16						0.01	2274.24	26.60
18	MUSCAT	1	m	s	0.32	8.14	0.35	0.3546
18	MUSCAT	2	f	s	0.28	5.82	0.16	0.4970
Subtotal 18						0.31	13.96	0.51
19	TUNSTA	2	c	t	0.29	77.54	2.39	0.0100
20	STEENL	3	m	s	0.09	345.72	0.33	0.1091
20	STEENL	4	f	s	0.04	314.64	1.91	0.4866
Subtotal 20						0.06	660.35	2.25
21	JANGHO	1	f	s	0.32	27.39	1.15	0.0922
22	KAWACH	11	f	h	0.43	9.45	0.90	0.1912
23	CIRUZZ	7	m	s	0.17	6.63	0.02	0.6699
23	CIRUZZ	8	f	s	0.55	8.71	1.62	0.1058
Subtotal 23						0.38	15.34	1.63
24	MCELDU	4	m	t	-0.20	24.21	2.41	0.3288
24	MCELDU	2	f	t	0.77	10.66	4.48	0.0124
Subtotal 24						0.10	34.87	6.89
26	HE1	2	f	s	0.47	12.11	1.51	0.1020
27	IRIBAR	4	m	h	0.12	268.97	0.01	0.0450
27	IRIBAR	19	f	h	0.18	495.01	2.10	0.0000
Subtotal 27						0.16	763.97	2.11
28	ROSENL	2	m	s	-0.04	23.37	0.58	0.8436
28	ROSENL	14	f	s	0.43	17.27	1.64	0.0772
Subtotal 28						0.16	40.64	2.22
29	PITSAV	9	c	h	0.29	23.73	0.67	0.1648
31	CHEN	10	c	h	0.18	11.72	0.05	0.5326
32	NISHTA	3	c	s	0.87	5.64	3.17	0.0395
34	MCGHEE	1	m	h	0.26	24.91	0.52	0.1904
34	MCGHEE	2	f	h	0.33	26.31	1.18	0.0912
Subtotal 34						0.30	51.22	1.71
35	QURESH	1	f	s	0.05	54.13	0.25	0.7196
37	STRANG	22	m	h	-0.02	21.86	0.39	0.9391
37	STRANG	14	f	h	0.26	8.82	0.19	0.4361
Subtotal 37						0.06	30.68	0.58
38	TEO	1	c	t	0.31	656.19	25.62	0.0000
39	WEN	17	f	s	-0.01	37.13	0.60	0.9512
41	HILL1	2	m	h	0.04	137.04	0.83	0.6461
41	HILL1	4	f	h	-0.02	130.35	2.46	0.8176
Subtotal 41						0.01	267.40	3.29
42	HILL2	2	m	h	0.17	93.46	0.22	0.1096
42	HILL2	4	f	h	0.24	55.32	0.82	0.0754
Subtotal 42						0.19	148.79	1.04
43	HE2	8	f	t	0.52	59.24	9.84	0.0001
44	SULO	2	m	s	0.52	7.26	1.17	0.1622
44	SULO	4	f	s	0.17	1.58	0.01	0.8268
Subtotal 44						0.46	8.84	1.18
45	VOZORI	2	c	t	0.00	93.46	1.28	1.0000
46	DING	2	f	h	0.42	23.43	2.13	0.0427
47	GALLO	17	c	s	0.69	6.48	2.11	0.0798
49	JEFFER	2	c	s	0.88	5.43	3.16	0.0403
50	PEINEM	1	c	t	0.24	22.63	0.34	0.2536
51	CHEN2	1	c	t	0.15	75.18	0.07	0.1987
52	HE3	2	m	t	0.81	3.29	1.56	0.1433
52	HE3	4	f	t	0.74	3.13	1.22	0.1894
Subtotal 52						0.78	6.42	2.79
53	CLARK	4	m	h	0.68	8.20	2.63	0.0504
53	CLARK	3	f	h	-0.06	33.42	1.07	0.7206
Subtotal 53						0.08	41.62	3.70
54	TROMSO	2	m	h	-0.09	24.35	1.09	0.6417
54	TROMSO	16	f	h	0.35	45.12	2.46	0.0185
Subtotal 54						0.19	69.47	3.55
55	KASTOR	2	c	t	1.47	3.49	6.35	0.0062
56	HALS2	2	m	h	0.23	2.55	0.03	0.7121
56	HALS2	4	f	h	0.11	7.60	0.00	0.7547

 Within each study, 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), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 Overall - adjusted

Overall

StN Ref	NRR	SEX EXP TYs	Ws	Qs	Ps
Subtotal	56	0.14	10.15	0.03	

Relative risks

	N	71
	NS	48
	Wt	6353.83
Het	Chi	155.97
Het	df	70
Het	P	***
Fixed	RR	1.12
	RRl	1.10
	RRu	1.15
	P	+++
Random	RR	1.20
	RRl	1.14
	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), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 Overall - unadjusted

Overall		Number Exposed		Non-exposed		RR	95.00%CI
StN	Ref	SCase	Cont	Case	Cont		
1	HIRAYA 3	f	376	69645	118	21895	1.00 (0.82- 1.23)
2	GARLAN 1	f	17	492	2	203	3.51 (0.82- 15.04)
3	LEE 1	m	15	40	26	93	1.34 (0.64- 2.80)
3	LEE 3	f	55	229	22	89	0.97 (0.56- 1.69)
Subtotal 3							1.09 (0.70- 1.70)
4	MARTIN 1	f	-	-	-	-	2.60 (1.20- 5.70)
5	SVENDS 1	m	21	286	48	959	1.47 (0.89- 2.41)
6	BUTLER 1	f	20	10579	60	43052	1.36 (0.82- 2.25)
8	HOLE 3	m	-	-	-	-	1.73 (1.01- 2.96)
8	HOLE 2	f	-	-	-	-	1.65 (0.79- 3.46)
Subtotal 8							1.70 (1.10- 2.63)
9	JACKSO 3	m	-	-	-	-	1.10 (0.40- 3.00)
9	JACKSO 1	f	-	-	-	-	4.00 (1.35- 13.10)
Subtotal 9							1.94 (0.91- 4.13)
10	SANDLE 1	m	122	1248	248	2914	1.15 (0.93- 1.41)
10	SANDLE 3	f	551	9551	437	5322	0.70 (0.62- 0.79)
Subtotal 10							0.80 (0.72- 0.88)
11	HUMBLE 1	f	-	-	-	-	1.59 (0.99- 2.57)
12	DOBSON 3	m	22	34	161	259	1.04 (0.59- 1.84)
12	DOBSON 1	f	43	99	117	433	1.61 (1.06- 2.43)
Subtotal 12							1.39 (0.99- 1.93)
13	GARDIN 1	c	4	14	8	10	0.36 (0.08- 1.52)
14	LAVECC 2	m	9	21	55	140	1.09 (0.47- 2.53)
14	LAVECC 1	f	32	39	11	17	1.27 (0.52- 3.09)
Subtotal 14							1.17 (0.64- 2.16)
15	LAYARD 1	m	97	215	378	783	0.93 (0.71- 1.22)
15	LAYARD 9	f	455	961	459	969	1.00 (0.85- 1.17)
Subtotal 15							0.98 (0.86- 1.13)
16	LEVOIS 1	m	-	-	-	-	0.97 (0.90- 1.05)
16	LEVOIS 6	f	-	-	-	-	1.03 (0.98- 1.08)
Subtotal 16							1.01 (0.97- 1.06)
18	MUSCAT 1	m	20	25	48	83	1.38 (0.70- 2.75)
18	MUSCAT 2	f	28	27	18	23	1.33 (0.59- 2.99)
Subtotal 18							1.36 (0.80- 2.30)
19	TUNSTA 1	c	329	1216	99	483	1.32 (1.03- 1.69)
20	STEENL 3	m	-	-	-	-	1.09 (0.98- 1.21)
20	STEENL 4	f	-	-	-	-	1.04 (0.93- 1.16)
Subtotal 20							1.07 (0.99- 1.15)
21	JANGHO 1	f	63	100	137	300	1.38 (0.95- 2.01)
22	KAWACH 11	f	-	-	-	-	1.53 (0.81- 2.90)
23	CIRUZZ 5	m	15	22	141	206	1.00 (0.50- 1.99)
23	CIRUZZ 6	f	29	25	151	193	1.48 (0.83- 2.64)
Subtotal 23							1.26 (0.81- 1.96)
24	MCELDU 3	m	53	172	145	373	0.79 (0.55- 1.14)
24	MCELDU 1	f	31	147	54	479	1.87 (1.16- 3.02)
Subtotal 24							1.08 (0.81- 1.45)
26	HE1 1	f	76	95	39	113	2.32 (1.44- 3.72)
27	IRIBAR 4	m	-	-	-	-	1.13 (1.00- 1.27)
27	IRIBAR 19	f	-	-	-	-	1.20 (1.09- 1.30)
Subtotal 27							1.17 (1.09- 1.26)
28	ROSENL 1	m	53	113	141	285	0.95 (0.65- 1.39)
28	ROSENL 13	f	65	119	59	144	1.33 (0.87- 2.05)
Subtotal 28							1.10 (0.83- 1.47)
29	PITSAV 9	c	-	-	-	-	1.33 (0.89- 1.99)
31	CHEN 10	c	-	-	-	-	1.20 (0.70- 2.20)
32	NISHTA 3	c	-	-	-	-	2.38 (1.04- 5.42)
34	MCGHEE 5	m	74	71	285	347	1.27 (0.88- 1.82)
34	MCGHEE 6	f	113	150	112	195	1.31 (0.94- 1.84)
Subtotal 34							1.29 (1.01- 1.65)
35	QURESH 2	f	140	1823	79	1209	1.18 (0.90- 1.53)
37	STRANG 22	m	156	370	39	91	0.98 (0.65- 1.50)
37	STRANG 14	f	78	671	11	123	1.30 (0.67- 2.51)
Subtotal 37							1.07 (0.75- 1.52)
38	TEO 1	c	-	-	-	-	1.37 (1.27- 1.48)

 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), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 Overall - unadjusted

Overall		Number Exposed		Non-exposed		RR	95.00%CI	
StN	Ref	NRR	SCase	Cont	Case			Cont
39	WEN	17	f	-	-	-	0.99 (0.72- 1.37)	
41	HILL1	1	m	-	-	-	1.00 (0.85- 1.18)	
41	HILL1	3	f	-	-	-	0.98 (0.83- 1.15)	
Subtotal 41							0.99 (0.88- 1.11)	
42	HILL2	1	m	-	-	-	1.07 (0.86- 1.32)	
42	HILL2	3	f	-	-	-	1.26 (0.98- 1.63)	
Subtotal 42							1.15 (0.97- 1.35)	
43	HE2	1	f	200	277	231	501	1.57 (1.23- 1.99)
44	SULO	1	m	-	-	-	-	1.76 (0.98- 3.18)
44	SULO	3	f	-	-	-	-	1.05 (0.48- 2.30)
Subtotal 44								1.46 (0.91- 2.34)
45	VOZORI	1	c	293	11991	1480	34776	0.57 (0.51- 0.65)
46	DING	1	f	95	65	219	254	1.70 (1.18- 2.44)
47	GALLO	17	c	-	-	-	-	1.99 (0.92- 4.29)
49	JEFFER	1	c	-	-	-	-	2.17 (0.97- 4.84)
50	PEINEM	1	c	33	379	95	1387	1.27 (0.84- 1.92)
51	CHEN2	1	c	133	675	272	1601	1.16 (0.93- 1.45)
52	HE3	1	m	14	271	5	168	1.74 (0.64- 4.73)
52	HE3	3	f	18	340	4	131	1.73 (0.60- 5.03)
Subtotal 52								1.73 (0.84- 3.60)
53	CLARK	2	m	10	2115	76	34308	2.13 (1.11- 4.12)
53	CLARK	1	f	44	30877	181	94122	0.74 (0.53- 1.03)
Subtotal 53								0.92 (0.68- 1.23)
54	TROMSO	1	m	-	-	-	-	0.95 (0.66- 1.37)
54	TROMSO	15	f	-	-	-	-	1.35 (1.00- 1.81)
Subtotal 54								1.17 (0.93- 1.48)
55	KASTOR	1	c	32	37	20	62	2.68 (1.34- 5.35)
56	HALS2	1	m	-	-	-	-	1.35 (0.46- 3.94)
56	HALS2	3	f	-	-	-	-	1.13 (0.56- 2.29)
Subtotal 56								1.19 (0.66- 2.15)
Partial Totals			4034	145626	6291	249095		

*prospective study

StN	Ref	NRR	SEX	EXP	TYS	Ws	Qs	Ps
1	HIRAYA	3	f	s	0.00	90.30	0.40	0.9867
2	GARLAN	1	f	s	1.25	1.81	2.55	0.0912
3	LEE	1	m	s	0.29	7.10	0.36	0.4340
3	LEE	3	f	s	-0.03	12.62	0.12	0.9185
Subtotal 3					0.09	19.72	0.48	
4	MARTIN	1	f	s	0.96	6.33	4.98	0.0162
5	SVENDS	1	m	s	0.38	15.65	1.55	0.1296
6	BUTLER	1	f	s	0.30	15.03	0.84	0.2372
8	HOLE	3	m	h	0.55	13.29	3.06	0.0457
8	HOLE	2	f	h	0.50	7.04	1.32	0.1838
Subtotal 8					0.53	20.33	4.37	
9	JACKSO	3	m	h	0.10	3.78	0.00	0.8529
9	JACKSO	1	f	h	1.39	2.98	5.17	0.0168
Subtotal 9					0.66	6.76	5.17	
10	SANDLE	1	m	h	0.14	90.22	0.44	0.1881
10	SANDLE	3	f	h	-0.35	262.43	46.65	0.0000
Subtotal 10					-0.23	352.64	47.09	
11	HUMBLE	1	f	s	0.46	16.88	2.64	0.0567
12	DOBSON	3	m	h	0.04	11.77	0.01	0.8905
12	DOBSON	1	f	h	0.47	22.62	3.73	0.0240
Subtotal 12					0.33	34.39	3.74	
13	GARDIN	1	c	s	-1.03	1.83	2.21	0.1637
14	LAVECC	2	m	s	0.09	5.43	0.00	0.8393
14	LAVECC	1	f	s	0.24	4.84	0.14	0.6013
Subtotal 14					0.16	10.27	0.14	
15	LAYARD	1	m	s	-0.07	52.96	0.98	0.6223
15	LAYARD	9	f	s	-0.00	155.06	0.74	0.9954
Subtotal 15					-0.02	208.02	1.72	
16	LEVOIS	1	m	s	-0.03	646.64	6.35	0.4386

 Within each study, 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), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 Overall - unadjusted

Overall

StN	Ref	NRR	SEX	EXP	TYs	Ws	Qs	Ps
16	LEVOIS	6	f	s	0.03	1627.60	2.48	0.2331
Subtotal 16						0.01	2274.24	8.83
18	MUSCAT	1	m	s	0.32	8.14	0.53	0.3546
18	MUSCAT	2	f	s	0.28	5.82	0.26	0.4970
Subtotal 18						0.31	13.96	0.80
19	TUNSTA	1	c	t	0.28	62.37	2.72	0.0283
20	STEENL	3	m	s	0.09	345.72	0.11	0.1091
20	STEENL	4	f	s	0.04	314.64	0.27	0.4866
Subtotal 20						0.06	660.35	0.38
21	JANGHO	1	f	s	0.32	27.39	1.76	0.0922
22	KAWACH	11	f	h	0.43	9.45	1.20	0.1912
23	CIRUZZ	5	m	s	-0.00	8.06	0.04	0.9912
23	CIRUZZ	6	f	s	0.39	11.59	1.23	0.1800
Subtotal 23						0.23	19.65	1.27
24	MCELDU	3	m	t	-0.23	29.19	2.64	0.2093
24	MCELDU	1	f	t	0.63	16.76	5.21	0.0104
Subtotal 24						0.08	45.95	7.86
26	HE1	1	f	s	0.84	17.19	10.25	0.0005
27	IRIBAR	4	m	h	0.12	268.97	0.77	0.0450
27	IRIBAR	19	f	h	0.18	495.01	6.40	0.0000
Subtotal 27						0.16	763.97	7.17
28	ROSENL	1	m	s	-0.05	26.10	0.39	0.7851
28	ROSENL	13	f	s	0.29	20.97	1.01	0.1879
Subtotal 28						0.10	47.07	1.39
29	PITSAV	9	c	h	0.29	23.73	1.11	0.1648
31	CHEN	10	c	h	0.18	11.72	0.15	0.5326
32	NISHTA	3	c	s	0.87	5.64	3.59	0.0395
34	MCGHEE	5	m	h	0.24	29.42	0.85	0.1963
34	MCGHEE	6	f	h	0.27	33.81	1.39	0.1147
Subtotal 34						0.26	63.24	2.23
35	QURESH	2	f	s	0.16	54.27	0.47	0.2341
37	STRANG	22	m	h	-0.02	21.86	0.16	0.9391
37	STRANG	14	f	h	0.26	8.82	0.33	0.4361
Subtotal 37						0.06	30.68	0.49
38	TEO	1	c	t	0.31	656.19	39.77	0.0000
39	WEN	17	f	s	-0.01	37.13	0.23	0.9512
41	HILL1	1	m	h	0.00	142.80	0.67	1.0000
41	HILL1	3	f	h	-0.02	144.50	1.14	0.8081
Subtotal 41						-0.01	287.30	1.81
42	HILL2	1	m	h	0.07	83.70	0.00	0.5359
42	HILL2	3	f	h	0.23	59.36	1.57	0.0750
Subtotal 42						0.14	143.06	1.57
43	HE2	1	f	t	0.45	66.96	9.66	0.0002
44	SULO	1	m	s	0.57	11.09	2.74	0.0598
44	SULO	3	f	s	0.05	6.26	0.00	0.9029
Subtotal 44						0.38	17.35	2.74
45	VOZORI	1	c	t	-0.55	238.05	92.53	0.0000
46	DING	1	f	h	0.53	29.06	6.13	0.0044
47	GALLO	17	c	s	0.69	6.48	2.49	0.0798
49	JEFFER	1	c	s	0.77	5.95	2.97	0.0588
50	PEINEM	1	c	t	0.24	22.63	0.66	0.2536
51	CHEN2	1	c	t	0.15	75.18	0.48	0.1987
52	HE3	1	m	t	0.55	3.82	0.89	0.2811
52	HE3	3	f	t	0.55	3.39	0.79	0.3109
Subtotal 52						0.55	7.21	1.68
53	CLARK	2	m	h	0.76	8.88	4.22	0.0239
53	CLARK	1	f	h	-0.30	35.45	4.81	0.0743
Subtotal 53						-0.09	44.33	9.03
54	TROMSO	1	m	h	-0.05	28.81	0.41	0.7831
54	TROMSO	15	f	h	0.30	43.65	2.34	0.0474
Subtotal 54						0.16	72.46	2.75
55	KASTOR	1	c	t	0.99	8.04	6.77	0.0052
56	HALS2	1	m	h	0.30	3.33	0.18	0.5839
56	HALS2	3	f	h	0.12	7.75	0.02	0.7337

 Within each study, 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), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 Overall - unadjusted

Overall

StN Ref	NRR	SEX EXP TYs	Ws	Qs	Ps
Subtotal	56	0.18	11.08	0.20	

Relative risks

	N	71
	NS	48
	Wt	6659.28
Het	Chi	311.01
Het	df	70
Het	P	***
Fixed	RR	1.07
	RRl	1.05
	RRu	1.10
	P	+++
Random	RR	1.18
	RRl	1.10
	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), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 By sex - adjusted

combined

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
13	GARDIN	2	c	-	-	-	0.57 (0.19-	1.74)	
19	TUNSTA	2	c	-	-	-	1.34 (1.07-	1.67)	
29	PITSAV	9	c	-	-	-	1.33 (0.89-	1.99)	
31	CHEN	10	c	-	-	-	1.20 (0.70-	2.20)	
32	NISHTA	3	c	-	-	-	2.38 (1.04-	5.42)	
38	TEO	1	c	-	-	-	1.37 (1.27-	1.48)	
45	VOZORI	2	c	-	-	-	1.00 (0.80-	1.20)	
47	GALLO	17	c	-	-	-	1.99 (0.92-	4.29)	
49	JEFFER	2	c	-	-	-	2.41 (1.04-	5.59)	
50	PEINEM	1	c	33	379	95	1387	1.27 (0.84-	1.92)
51	CHEN2	1	c	133	675	272	1601	1.16 (0.93-	1.45)
55	KASTOR	2	c	-	-	-	-	4.33 (1.52-	12.38)
Partial Totals				166	1054	367	2988		

*prospective study

male

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
3	LEE	2	m	-	-	-	-	1.24 (0.58-	2.67)
5	SVENDS	2	m	-	-	-	-	1.61 (0.96-	2.71)
8	HOLE	3	m	-	-	-	-	1.73 (1.01-	2.96)
9	JACKSO	4	m	-	-	-	-	1.06 (0.39-	2.91)
10	SANDLE	2	m	-	-	-	-	1.31 (1.05-	1.64)
12	DOBSON	4	m	-	-	-	-	0.97 (0.50-	1.86)
14	LAVECC	2	m	9	21	55	140	1.09 (0.47-	2.53)
15	LAYARD	2	m	-	-	-	-	0.97 (0.73-	1.28)
16	LEVOIS	1	m	-	-	-	-	0.97 (0.90-	1.05)
18	MUSCAT	1	m	20	25	48	83	1.38 (0.70-	2.75)
20	STEENL	3	m	-	-	-	-	1.09 (0.98-	1.21)
23	CIRUZZ	7	m	-	-	-	-	1.18 (0.55-	2.52)
24	MCELDU	4	m	-	-	-	-	0.82 (0.55-	1.22)
27	IRIBAR	4	m	-	-	-	-	1.13 (1.00-	1.27)
28	ROSENL	2	m	-	-	-	-	0.96 (0.64-	1.44)
34	MCGHEE	1	m	-	-	-	-	1.30 (0.88-	1.93)
37	STRANG	22	m	156	370	39	91	0.98 (0.65-	1.50)
41	HILL1	2	m	-	-	-	-	1.04 (0.88-	1.23)
42	HILL2	2	m	-	-	-	-	1.18 (0.96-	1.44)
44	SULO	2	m	-	-	-	-	1.68 (0.81-	3.47)
52	HE3	2	m	-	-	-	-	2.24 (0.76-	6.59)
53	CLARK	4	m	-	-	-	-	1.98 (1.00-	3.93)
54	TROMSO	2	m	-	-	-	-	0.91 (0.61-	1.35)
56	HALS2	2	m	-	-	-	-	1.26 (0.37-	4.31)
Partial Totals				185	416	142	314		

*prospective study

female

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
1	HIRAYA	6	f	-	-	-	-	1.16 (0.94-	1.43)
2	GARLAN	5	f	-	-	-	-	2.70 (0.63-	11.58)
3	LEE	4	f	-	-	-	-	0.93 (0.53-	1.64)
4	MARTIN	1	f	-	-	-	-	2.60 (1.20-	5.70)
6	BUTLER	2	f	-	-	-	-	1.07 (0.65-	1.75)
8	HOLE	2	f	-	-	-	-	1.65 (0.79-	3.46)
9	JACKSO	2	f	-	-	-	-	3.74 (1.15-	12.19)
10	SANDLE	4	f	-	-	-	-	1.19 (1.04-	1.36)
11	HUMBLE	1	f	-	-	-	-	1.59 (0.99-	2.57)
12	DOBSON	2	f	-	-	-	-	2.46 (1.47-	4.13)
14	LAVECC	1	f	32	39	11	17	1.27 (0.52-	3.09)
15	LAYARD	10	f	-	-	-	-	0.99 (0.84-	1.16)
16	LEVOIS	6	f	-	-	-	-	1.03 (0.98-	1.08)
18	MUSCAT	2	f	28	27	18	23	1.33 (0.59-	2.99)
20	STEENL	4	f	-	-	-	-	1.04 (0.93-	1.16)
21	JANGHO	1	f	63	100	137	300	1.38 (0.95-	2.01)

 Within each study, 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), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 By sex - adjusted

female			Number Exposed		Non-exposed		RR	95.00%CI
StN	Ref	NRR	SCase	Cont	Case	Cont		
22	KAWACH	11	f	-	-	-	-	1.53 (0.81- 2.90)
23	CIRUZZ	8	f	-	-	-	-	1.73 (0.89- 3.36)
24	MCELDU	2	f	-	-	-	-	2.15 (1.18- 3.92)
26	HE1	2	f	-	-	-	-	1.60 (0.94- 2.90)
27	IRIBAR	19	f	-	-	-	-	1.20 (1.09- 1.30)
28	ROSNL	14	f	-	-	-	-	1.53 (0.95- 2.44)
34	MCGHEE	2	f	-	-	-	-	1.39 (0.95- 2.04)
35	QURESH	1	f	-	-	-	-	1.05 (0.81- 1.38)
37	STRANG	14	f	78	671	11	123	1.30 (0.67- 2.51)
39	WEN	17	f	-	-	-	-	0.99 (0.72- 1.37)
41	HILL1	4	f	-	-	-	-	0.98 (0.83- 1.17)
42	HILL2	4	f	-	-	-	-	1.27 (0.98- 1.66)
43	HE2	8	f	-	-	-	-	1.69 (1.31- 2.18)
44	SULO	4	f	-	-	-	-	1.19 (0.25- 5.64)
46	DING	2	f	-	-	-	-	1.52 (1.01- 2.27)
52	HE3	4	f	-	-	-	-	2.10 (0.69- 6.33)
53	CLARK	3	f	-	-	-	-	0.94 (0.67- 1.32)
54	TROMSO	16	f	-	-	-	-	1.42 (1.06- 1.90)
56	HALS2	4	f	-	-	-	-	1.12 (0.55- 2.28)
Partial Totals				201	837	177	463	

*prospective study

	combined	male	female	Total
Relative risks				
N	12	24	35	71
NS	12	24	35	71
Wt	984.63	1824.90	3544.29	6353.83
Het Chi	21.69	28.19	74.70	155.97
Het df	11	23	34	70
Het P	*	N.S.	***	***
Fixed RR	1.32	1.06	1.11	1.12
RRl	1.24	1.02	1.07	1.10
RRu	1.40	1.11	1.14	1.15
P	+++	++	+++	+++
Random RR	1.30	1.09	1.22	1.20
RRl	1.14	1.03	1.14	1.14
RRu	1.50	1.16	1.32	1.26
P	+++	++	+++	+++
Asymm P	N.S.	*	***	***
Between Chi		29.35	23.66	31.39
Between df		1	1	2
Between P		---	---	***

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 By sex - unadjusted

combined

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
13	GARDIN	1	c 4	14	8	10	0.36 (0.08- 1.52)	
19	TUNSTA	1	c 329	1216	99	483	1.32 (1.03- 1.69)	
29	PITSAV	9	c -	-	-	-	1.33 (0.89- 1.99)	
31	CHEN	10	c -	-	-	-	1.20 (0.70- 2.20)	
32	NISHTA	3	c -	-	-	-	2.38 (1.04- 5.42)	
38	TEO	1	c -	-	-	-	1.37 (1.27- 1.48)	
45	VOZORI	1	c 293	11991	1480	34776	0.57 (0.51- 0.65)	
47	GALLO	17	c -	-	-	-	1.99 (0.92- 4.29)	
49	JEFFER	1	c -	-	-	-	2.17 (0.97- 4.84)	
50	PEINEM	1	c 33	379	95	1387	1.27 (0.84- 1.92)	
51	CHEN2	1	c 133	675	272	1601	1.16 (0.93- 1.45)	
55	KASTOR	1	c 32	37	20	62	2.68 (1.34- 5.35)	
Partial Totals			824	14312	1974	38319		

*prospective study

male

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
3	LEE	1	m 15	40	26	93	1.34 (0.64- 2.80)	
5	SVENDS	1	m 21	286	48	959	1.47 (0.89- 2.41)	
8	HOLE	3	m -	-	-	-	1.73 (1.01- 2.96)	
9	JACKSO	3	m -	-	-	-	1.10 (0.40- 3.00)	
10	SANDLE	1	m 122	1248	248	2914	1.15 (0.93- 1.41)	
12	DOBSON	3	m 22	34	161	259	1.04 (0.59- 1.84)	
14	LAVECC	2	m 9	21	55	140	1.09 (0.47- 2.53)	
15	LAYARD	1	m 97	215	378	783	0.93 (0.71- 1.22)	
16	LEVOIS	1	m -	-	-	-	0.97 (0.90- 1.05)	
18	MUSCAT	1	m 20	25	48	83	1.38 (0.70- 2.75)	
20	STEENL	3	m -	-	-	-	1.09 (0.98- 1.21)	
23	CIRUZZ	5	m 15	22	141	206	1.00 (0.50- 1.99)	
24	MCELDU	3	m 53	172	145	373	0.79 (0.55- 1.14)	
27	IRIBAR	4	m -	-	-	-	1.13 (1.00- 1.27)	
28	ROSENL	1	m 53	113	141	285	0.95 (0.65- 1.39)	
34	MCGHEE	5	m 74	71	285	347	1.27 (0.88- 1.82)	
37	STRANG	22	m 156	370	39	91	0.98 (0.65- 1.50)	
41	HILL1	1	m -	-	-	-	1.00 (0.85- 1.18)	
42	HILL2	1	m -	-	-	-	1.07 (0.86- 1.32)	
44	SULO	1	m -	-	-	-	1.76 (0.98- 3.18)	
52	HE3	1	m 14	271	5	168	1.74 (0.64- 4.73)	
53	CLARK	2	m 10	2115	76	34308	2.13 (1.11- 4.12)	
54	TROMSO	1	m -	-	-	-	0.95 (0.66- 1.37)	
56	HALS2	1	m -	-	-	-	1.35 (0.46- 3.94)	
Partial Totals			681	5003	1796	41009		

*prospective study

female

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
1	HIRAYA	3	f 376	69645	118	21895	1.00 (0.82- 1.23)	
2	GARLAN	1	f 17	492	2	203	3.51 (0.82- 15.04)	
3	LEE	3	f 55	229	22	89	0.97 (0.56- 1.69)	
4	MARTIN	1	f -	-	-	-	2.60 (1.20- 5.70)	
6	BUTLER	1	f 20	10579	60	43052	1.36 (0.82- 2.25)	
8	HOLE	2	f -	-	-	-	1.65 (0.79- 3.46)	
9	JACKSO	1	f -	-	-	-	4.00 (1.35- 13.10)	
10	SANDLE	3	f 551	9551	437	5322	0.70 (0.62- 0.79)	
11	HUMBLE	1	f -	-	-	-	1.59 (0.99- 2.57)	
12	DOBSON	1	f 43	99	117	433	1.61 (1.06- 2.43)	
14	LAVECC	1	f 32	39	11	17	1.27 (0.52- 3.09)	
15	LAYARD	9	f 455	961	459	969	1.00 (0.85- 1.17)	
16	LEVOIS	6	f -	-	-	-	1.03 (0.98- 1.08)	
18	MUSCAT	2	f 28	27	18	23	1.33 (0.59- 2.99)	
20	STEENL	4	f -	-	-	-	1.04 (0.93- 1.16)	
21	JANGHO	1	f 63	100	137	300	1.38 (0.95- 2.01)	

 Within each study, 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), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 By sex - unadjusted

female

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
22	KAWACH	11	f	-	-	-	-	1.53	(0.81- 2.90)
23	CIRUZZ	6	f	29	25	151	193	1.48	(0.83- 2.64)
24	MCELDU	1	f	31	147	54	479	1.87	(1.16- 3.02)
26	HE1	1	f	76	95	39	113	2.32	(1.44- 3.72)
27	IRIBAR	19	f	-	-	-	-	1.20	(1.09- 1.30)
28	ROSENL	13	f	65	119	59	144	1.33	(0.87- 2.05)
34	MCGHEE	6	f	113	150	112	195	1.31	(0.94- 1.84)
35	QURESH	2	f	140	1823	79	1209	1.18	(0.90- 1.53)
37	STRANG	14	f	78	671	11	123	1.30	(0.67- 2.51)
39	WEN	17	f	-	-	-	-	0.99	(0.72- 1.37)
41	HILL1	3	f	-	-	-	-	0.98	(0.83- 1.15)
42	HILL2	3	f	-	-	-	-	1.26	(0.98- 1.63)
43	HE2	1	f	200	277	231	501	1.57	(1.23- 1.99)
44	SULO	3	f	-	-	-	-	1.05	(0.48- 2.30)
46	DING	1	f	95	65	219	254	1.70	(1.18- 2.44)
52	HE3	3	f	18	340	4	131	1.73	(0.60- 5.03)
53	CLARK	1	f	44	30877	181	94122	0.74	(0.53- 1.03)
54	TROMSO	15	f	-	-	-	-	1.35	(1.00- 1.81)
56	HALS2	3	f	-	-	-	-	1.13	(0.56- 2.29)
Partial Totals				2529	126311	2521	169767		

*prospective study

	combined	male	female	Total
Relative risks				
N	12	24	35	71
NS	12	24	35	71
Wt	1117.81	1866.72	3674.76	6659.28
Het Chi	152.18	26.57	128.06	311.01
Het df	11	23	34	70
Het P	***	N.S.	***	***
Fixed RR	1.13	1.05	1.06	1.07
RRl	1.07	1.00	1.03	1.05
RRu	1.20	1.10	1.10	1.10
P	+++	+	+++	+++
Random RR	1.31	1.07	1.21	1.18
RRl	0.97	1.01	1.11	1.10
RRu	1.77	1.13	1.32	1.26
P	(+)	+	+++	+++
Asymm P	N.S.	*	**	**
Between Chi		3.90	3.12	4.20
Between df		1	1	2
Between P		-	(-)	N.S.

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 By continent - adjusted

NAmerica

StN	Ref	NRR	SCase	Number Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
2	GARLAN	5	f	-	-	-	2.70	(0.63- 11.58)
4	MARTIN	1	f	-	-	-	2.60	(1.20- 5.70)
5	SVENDS	2	m	-	-	-	1.61	(0.96- 2.71)
6	BUTLER	2	f	-	-	-	1.07	(0.65- 1.75)
10	SANDLE	2	m	-	-	-	1.31	(1.05- 1.64)
10	SANDLE	4	f	-	-	-	1.19	(1.04- 1.36)
Subtotal 10							1.22	(1.09- 1.37)
11	HUMBLE	1	f	-	-	-	1.59	(0.99- 2.57)
15	LAYARD	2	m	-	-	-	0.97	(0.73- 1.28)
15	LAYARD	10	f	-	-	-	0.99	(0.84- 1.16)
Subtotal 15							0.98	(0.86- 1.13)
16	LEVOIS	1	m	-	-	-	0.97	(0.90- 1.05)
16	LEVOIS	6	f	-	-	-	1.03	(0.98- 1.08)
Subtotal 16							1.01	(0.97- 1.06)
18	MUSCAT	1	m	20	25	48	1.38	(0.70- 2.75)
18	MUSCAT	2	f	28	27	18	1.33	(0.59- 2.99)
Subtotal 18							1.36	(0.80- 2.30)
20	STEENL	3	m	-	-	-	1.09	(0.98- 1.21)
20	STEENL	4	f	-	-	-	1.04	(0.93- 1.16)
Subtotal 20							1.07	(0.99- 1.15)
22	KAWACH	11	f	-	-	-	1.53	(0.81- 2.90)
27	IRIBAR	4	m	-	-	-	1.13	(1.00- 1.27)
27	IRIBAR	19	f	-	-	-	1.20	(1.09- 1.30)
Subtotal 27							1.17	(1.09- 1.26)
35	QURESH	1	f	-	-	-	1.05	(0.81- 1.38)
37	STRANG	22	m	156	370	39	0.98	(0.65- 1.50)
37	STRANG	14	f	78	671	11	1.30	(0.67- 2.51)
Subtotal 37							1.07	(0.75- 1.52)
45	VOZORI	2	c	-	-	-	1.00	(0.80- 1.20)
Partial Totals			282	1093	116	320		

*prospective study

Europe

StN	Ref	NRR	SCase	Number Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
3	LEE	2	m	-	-	-	1.24	(0.58- 2.67)
3	LEE	4	f	-	-	-	0.93	(0.53- 1.64)
Subtotal 3							1.03	(0.65- 1.62)
8	HOLE	3	m	-	-	-	1.73	(1.01- 2.96)
8	HOLE	2	f	-	-	-	1.65	(0.79- 3.46)
Subtotal 8							1.70	(1.10- 2.63)
13	GARDIN	2	c	-	-	-	0.57	(0.19- 1.74)
14	LAVECC	2	m	9	21	55	1.09	(0.47- 2.53)
14	LAVECC	1	f	32	39	11	1.27	(0.52- 3.09)
Subtotal 14							1.17	(0.64- 2.16)
19	TUNSTA	2	c	-	-	-	1.34	(1.07- 1.67)
28	ROSENL	2	m	-	-	-	0.96	(0.64- 1.44)
28	ROSENL	14	f	-	-	-	1.53	(0.95- 2.44)
Subtotal 28							1.17	(0.86- 1.59)
29	PITSAV	9	c	-	-	-	1.33	(0.89- 1.99)
31	CHEN	10	c	-	-	-	1.20	(0.70- 2.20)
44	SULO	2	m	-	-	-	1.68	(0.81- 3.47)
44	SULO	4	f	-	-	-	1.19	(0.25- 5.64)
Subtotal 44							1.58	(0.82- 3.05)
47	GALLO	17	c	-	-	-	1.99	(0.92- 4.29)
49	JEFFER	2	c	-	-	-	2.41	(1.04- 5.59)
50	PEINEM	1	c	33	379	95	1.27	(0.84- 1.92)
54	TROMSO	2	m	-	-	-	0.91	(0.61- 1.35)
54	TROMSO	16	f	-	-	-	1.42	(1.06- 1.90)
Subtotal 54							1.21	(0.96- 1.54)
55	KASTOR	2	c	-	-	-	4.33	(1.52- 12.38)
56	HALS2	2	m	-	-	-	1.26	(0.37- 4.31)
56	HALS2	4	f	-	-	-	1.12	(0.55- 2.28)
Subtotal 56							1.15	(0.62- 2.13)

 Within each study, 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), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 By continent - adjusted

Europe							
StN Ref	NRR	Number SCase	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
Partial Totals		74	439	161	1544		
*prospective study							
Asia							
StN Ref	NRR	Number SCase	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
1	HIRAYA 6	f	-	-	-	1.16 (	0.94- 1.43)
21	JANGHO 1	f	63	100	137	1.38 (	0.95- 2.01)
26	HE1 2	f	-	-	-	1.60 (	0.94- 2.90)
32	NISHTA 3	c	-	-	-	2.38 (	1.04- 5.42)
34	MCGHEE 1	m	-	-	-	1.30 (	0.88- 1.93)
34	MCGHEE 2	f	-	-	-	1.39 (	0.95- 2.04)
Subtotal 34						1.35 (	1.02- 1.77)
39	WEN 17	f	-	-	-	0.99 (	0.72- 1.37)
43	HE2 8	f	-	-	-	1.69 (	1.31- 2.18)
46	DING 2	f	-	-	-	1.52 (	1.01- 2.27)
51	CHEN2 1	c	133	675	272	1.16 (	0.93- 1.45)
52	HE3 2	m	-	-	-	2.24 (	0.76- 6.59)
52	HE3 4	f	-	-	-	2.10 (	0.69- 6.33)
Subtotal 52						2.17 (	1.00- 4.70)
53	CLARK 4	m	-	-	-	1.98 (	1.00- 3.93)
53	CLARK 3	f	-	-	-	0.94 (	0.67- 1.32)
Subtotal 53						1.09 (	0.80- 1.48)
Partial Totals		196	775	409	1901		
*prospective study							
Other							
StN Ref	NRR	Number SCase	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
9	JACKSO 4	m	-	-	-	1.06 (	0.39- 2.91)
9	JACKSO 2	f	-	-	-	3.74 (	1.15- 12.19)
Subtotal 9						1.80 (	0.84- 3.87)
12	DOBSON 4	m	-	-	-	0.97 (	0.50- 1.86)
12	DOBSON 2	f	-	-	-	2.46 (	1.47- 4.13)
Subtotal 12						1.72 (	1.15- 2.59)
23	CIRUZZ 7	m	-	-	-	1.18 (	0.55- 2.52)
23	CIRUZZ 8	f	-	-	-	1.73 (	0.89- 3.36)
Subtotal 23						1.47 (	0.89- 2.42)
24	MCELDU 4	m	-	-	-	0.82 (	0.55- 1.22)
24	MCELDU 2	f	-	-	-	2.15 (	1.18- 3.92)
Subtotal 24						1.10 (	0.79- 1.53)
38	TEO 1	c	-	-	-	1.37 (	1.27- 1.48)
41	HILL1 2	m	-	-	-	1.04 (	0.88- 1.23)
41	HILL1 4	f	-	-	-	0.98 (	0.83- 1.17)
Subtotal 41						1.01 (	0.90- 1.14)
42	HILL2 2	m	-	-	-	1.18 (	0.96- 1.44)
42	HILL2 4	f	-	-	-	1.27 (	0.98- 1.66)
Subtotal 42						1.21 (	1.03- 1.42)
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), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 By continent - adjusted

		NAmerica	Europe	Asia	Other	Total
Relative risks						
	N	22	22	14	13	71
	NS	15	15	11	7	48
	Wt	4442.22	332.49	426.67	1152.45	6353.83
	Het Chi	37.67	20.34	18.94	37.12	155.97
	Het df	21	21	13	12	70
	Het P	*	N.S.	N.S.	***	***
	Fixed RR	1.07	1.30	1.29	1.26	1.12
	RRl	1.04	1.17	1.17	1.19	1.10
	RRu	1.10	1.45	1.42	1.33	1.15
	P	+++	+++	+++	+++	+++
	Random RR	1.09	1.30	1.32	1.24	1.20
	RRl	1.04	1.17	1.16	1.07	1.14
	RRu	1.15	1.45	1.49	1.44	1.26
	P	+++	+++	+++	++	+++
	Asymm P	*	N.S.	*	N.S.	***
	Between Chi		12.44	13.80	24.82	41.90
	Between df		1	1	1	3
	Between P		+++	+++	+++	***

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 By continent - unadjusted

NAmerica

StN	Ref	NRR	SCase	Number Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
2	GARLAN	1	f	17 492	2	203	3.51	(0.82- 15.04)
4	MARTIN	1	f	-	-	-	2.60	(1.20- 5.70)
5	SVENDS	1	m	21 286	48	959	1.47	(0.89- 2.41)
6	BUTLER	1	f	20 10579	60	43052	1.36	(0.82- 2.25)
10	SANDLE	1	m	122 1248	248	2914	1.15	(0.93- 1.41)
10	SANDLE	3	f	551 9551	437	5322	0.70	(0.62- 0.79)
Subtotal 10								0.80 (0.72- 0.88)
11	HUMBLE	1	f	-	-	-	1.59	(0.99- 2.57)
15	LAYARD	1	m	97 215	378	783	0.93	(0.71- 1.22)
15	LAYARD	9	f	455 961	459	969	1.00	(0.85- 1.17)
Subtotal 15								0.98 (0.86- 1.13)
16	LEVOIS	1	m	-	-	-	0.97	(0.90- 1.05)
16	LEVOIS	6	f	-	-	-	1.03	(0.98- 1.08)
Subtotal 16								1.01 (0.97- 1.06)
18	MUSCAT	1	m	20 25	48	83	1.38	(0.70- 2.75)
18	MUSCAT	2	f	28 27	18	23	1.33	(0.59- 2.99)
Subtotal 18								1.36 (0.80- 2.30)
20	STEENL	3	m	-	-	-	1.09	(0.98- 1.21)
20	STEENL	4	f	-	-	-	1.04	(0.93- 1.16)
Subtotal 20								1.07 (0.99- 1.15)
22	KAWACH	11	f	-	-	-	1.53	(0.81- 2.90)
27	IRIBAR	4	m	-	-	-	1.13	(1.00- 1.27)
27	IRIBAR	19	f	-	-	-	1.20	(1.09- 1.30)
Subtotal 27								1.17 (1.09- 1.26)
35	QURESH	2	f	140 1823	79	1209	1.18	(0.90- 1.53)
37	STRANG	22	m	156 370	39	91	0.98	(0.65- 1.50)
37	STRANG	14	f	78 671	11	123	1.30	(0.67- 2.51)
Subtotal 37								1.07 (0.75- 1.52)
45	VOZORI	1	c	293 11991	1480	34776	0.57	(0.51- 0.65)
Partial Totals								1998 38239 3307 90507

*prospective study

Europe

StN	Ref	NRR	SCase	Number Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
3	LEE	1	m	15 40	26	93	1.34	(0.64- 2.80)
3	LEE	3	f	55 229	22	89	0.97	(0.56- 1.69)
Subtotal 3								1.09 (0.70- 1.70)
8	HOLE	3	m	-	-	-	1.73	(1.01- 2.96)
8	HOLE	2	f	-	-	-	1.65	(0.79- 3.46)
Subtotal 8								1.70 (1.10- 2.63)
13	GARDIN	1	c	4 14	8	10	0.36	(0.08- 1.52)
14	LAVECC	2	m	9 21	55	140	1.09	(0.47- 2.53)
14	LAVECC	1	f	32 39	11	17	1.27	(0.52- 3.09)
Subtotal 14								1.17 (0.64- 2.16)
19	TUNSTA	1	c	329 1216	99	483	1.32	(1.03- 1.69)
28	ROSENL	1	m	53 113	141	285	0.95	(0.65- 1.39)
28	ROSENL	13	f	65 119	59	144	1.33	(0.87- 2.05)
Subtotal 28								1.10 (0.83- 1.47)
29	PITSAV	9	c	-	-	-	1.33	(0.89- 1.99)
31	CHEN	10	c	-	-	-	1.20	(0.70- 2.20)
44	SULO	1	m	-	-	-	1.76	(0.98- 3.18)
44	SULO	3	f	-	-	-	1.05	(0.48- 2.30)
Subtotal 44								1.46 (0.91- 2.34)
47	GALLO	17	c	-	-	-	1.99	(0.92- 4.29)
49	JEFFER	1	c	-	-	-	2.17	(0.97- 4.84)
50	PEINEM	1	c	33 379	95	1387	1.27	(0.84- 1.92)
54	TROMSO	1	m	-	-	-	0.95	(0.66- 1.37)
54	TROMSO	15	f	-	-	-	1.35	(1.00- 1.81)
Subtotal 54								1.17 (0.93- 1.48)
55	KASTOR	1	c	32 37	20	62	2.68	(1.34- 5.35)
56	HALS2	1	m	-	-	-	1.35	(0.46- 3.94)
56	HALS2	3	f	-	-	-	1.13	(0.56- 2.29)
Subtotal 56								1.19 (0.66- 2.15)

 Within each study, 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), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 By continent - unadjusted

Europe		Number Exposed		Non-exposed		RR	95.00%CI
StN Ref	NRR	SCase	Cont	Case	Cont		
Partial Totals		627	2207	536	2710		
*prospective study							
Asia		Number Exposed		Non-exposed		RR	95.00%CI
StN Ref	NRR	SCase	Cont	Case	Cont		
1	HIRAYA 3	f	376	69645	118	21895	1.00 (0.82- 1.23)
21	JANGHO 1	f	63	100	137	300	1.38 (0.95- 2.01)
26	HE1 1	f	76	95	39	113	2.32 (1.44- 3.72)
32	NISHTA 3	c	-	-	-	-	2.38 (1.04- 5.42)
34	MCGHEE 5	m	74	71	285	347	1.27 (0.88- 1.82)
34	MCGHEE 6	f	113	150	112	195	1.31 (0.94- 1.84)
Subtotal 34							1.29 (1.01- 1.65)
39	WEN 17	f	-	-	-	-	0.99 (0.72- 1.37)
43	HE2 1	f	200	277	231	501	1.57 (1.23- 1.99)
46	DING 1	f	95	65	219	254	1.70 (1.18- 2.44)
51	CHEN2 1	c	133	675	272	1601	1.16 (0.93- 1.45)
52	HE3 1	m	14	271	5	168	1.74 (0.64- 4.73)
52	HE3 3	f	18	340	4	131	1.73 (0.60- 5.03)
Subtotal 52							1.73 (0.84- 3.60)
53	CLARK 2	m	10	2115	76	34308	2.13 (1.11- 4.12)
53	CLARK 1	f	44	30877	181	94122	0.74 (0.53- 1.03)
Subtotal 53							0.92 (0.68- 1.23)
Partial Totals		1216	104681	1679	153935		
*prospective study							
Other		Number Exposed		Non-exposed		RR	95.00%CI
StN Ref	NRR	SCase	Cont	Case	Cont		
9	JACKSO 3	m	-	-	-	-	1.10 (0.40- 3.00)
9	JACKSO 1	f	-	-	-	-	4.00 (1.35- 13.10)
Subtotal 9							1.94 (0.91- 4.13)
12	DOBSON 3	m	22	34	161	259	1.04 (0.59- 1.84)
12	DOBSON 1	f	43	99	117	433	1.61 (1.06- 2.43)
Subtotal 12							1.39 (0.99- 1.93)
23	CIRUZZ 5	m	15	22	141	206	1.00 (0.50- 1.99)
23	CIRUZZ 6	f	29	25	151	193	1.48 (0.83- 2.64)
Subtotal 23							1.26 (0.81- 1.96)
24	MCELDU 3	m	53	172	145	373	0.79 (0.55- 1.14)
24	MCELDU 1	f	31	147	54	479	1.87 (1.16- 3.02)
Subtotal 24							1.08 (0.81- 1.45)
38	TEO 1	c	-	-	-	-	1.37 (1.27- 1.48)
41	HILL1 1	m	-	-	-	-	1.00 (0.85- 1.18)
41	HILL1 3	f	-	-	-	-	0.98 (0.83- 1.15)
Subtotal 41							0.99 (0.88- 1.11)
42	HILL2 1	m	-	-	-	-	1.07 (0.86- 1.32)
42	HILL2 3	f	-	-	-	-	1.26 (0.98- 1.63)
Subtotal 42							1.15 (0.97- 1.35)
Partial Totals		193	499	769	1943		
*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), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 By continent - unadjusted

		NAmerica	Europe	Asia	Other	Total
Relative risks						
	N	22	22	14	13	71
	NS	15	15	11	7	48
	Wt	4661.34	341.03	463.62	1193.30	6659.28
	Het Chi	154.40	19.78	35.20	38.34	311.01
	Het df	21	21	13	12	70
	Het P	***	N.S.	***	***	***
Fixed	RR	1.01	1.29	1.24	1.23	1.07
	RRl	0.98	1.16	1.13	1.16	1.05
	RRu	1.03	1.43	1.36	1.30	1.10
	P	N.S.	+++	+++	+++	+++
Random	RR	1.05	1.29	1.33	1.18	1.18
	RRl	0.95	1.16	1.12	1.03	1.10
	RRu	1.17	1.43	1.57	1.37	1.26
	P	N.S.	+++	+++	+	+++
Asymm	P	N.S.	N.S.	(*)	N.S.	**
Between	Chi		19.27	18.98	38.74	63.29
Between	df		1	1	1	3
Between	P		+++	+++	+++	***

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 By publication year (grouped) - adjusted

1984-89

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
1	HIRAYA	6	f	-	-	-	1.16	(0.94- 1.43)
2	GARLAN	5	f	-	-	-	2.70	(0.63- 11.58)
3	LEE	2	m	-	-	-	1.24	(0.58- 2.67)
3	LEE	4	f	-	-	-	0.93	(0.53- 1.64)
Subtotal 3							1.03	(0.65- 1.62)
4	MARTIN	1	f	-	-	-	2.60	(1.20- 5.70)
5	SVENDS	2	m	-	-	-	1.61	(0.96- 2.71)
6	BUTLER	2	f	-	-	-	1.07	(0.65- 1.75)
8	HOLE	3	m	-	-	-	1.73	(1.01- 2.96)
8	HOLE	2	f	-	-	-	1.65	(0.79- 3.46)
Subtotal 8							1.70	(1.10- 2.63)
9	JACKSO	4	m	-	-	-	1.06	(0.39- 2.91)
9	JACKSO	2	f	-	-	-	3.74	(1.15- 12.19)
Subtotal 9							1.80	(0.84- 3.87)
10	SANDLE	2	m	-	-	-	1.31	(1.05- 1.64)
10	SANDLE	4	f	-	-	-	1.19	(1.04- 1.36)
Subtotal 10							1.22	(1.09- 1.37)
Partial Totals			0	0	0	0		

*prospective study

1990-97

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
11	HUMBLE	1	f	-	-	-	1.59	(0.99- 2.57)	
12	DOBSON	4	m	-	-	-	0.97	(0.50- 1.86)	
12	DOBSON	2	f	-	-	-	2.46	(1.47- 4.13)	
Subtotal 12							1.72	(1.15- 2.59)	
13	GARDIN	2	c	-	-	-	0.57	(0.19- 1.74)	
14	LAVECC	2	m	9	21	55	140	1.09	(0.47- 2.53)
14	LAVECC	1	f	32	39	11	17	1.27	(0.52- 3.09)
Subtotal 14							1.17	(0.64- 2.16)	
15	LAYARD	2	m	-	-	-	0.97	(0.73- 1.28)	
15	LAYARD	10	f	-	-	-	0.99	(0.84- 1.16)	
Subtotal 15							0.98	(0.86- 1.13)	
16	LEVOIS	1	m	-	-	-	0.97	(0.90- 1.05)	
16	LEVOIS	6	f	-	-	-	1.03	(0.98- 1.08)	
Subtotal 16							1.01	(0.97- 1.06)	
18	MUSCAT	1	m	20	25	48	83	1.38	(0.70- 2.75)
18	MUSCAT	2	f	28	27	18	23	1.33	(0.59- 2.99)
Subtotal 18							1.36	(0.80- 2.30)	
19	TUNSTA	2	c	-	-	-	1.34	(1.07- 1.67)	
20	STEENL	3	m	-	-	-	1.09	(0.98- 1.21)	
20	STEENL	4	f	-	-	-	1.04	(0.93- 1.16)	
Subtotal 20							1.07	(0.99- 1.15)	
21	JANGHO	1	f	63	100	137	300	1.38	(0.95- 2.01)
22	KAWACH	11	f	-	-	-	-	1.53	(0.81- 2.90)
Partial Totals			152	212	269	563			

*prospective study

 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), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 By publication year (grouped) - adjusted

1998-04

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
23	CIRUZZ	7	m	-	-	-	1.18	(0.55- 2.52)
23	CIRUZZ	8	f	-	-	-	1.73	(0.89- 3.36)
Subtotal 23							1.47	(0.89- 2.42)
24	MCELDU	4	m	-	-	-	0.82	(0.55- 1.22)
24	MCELDU	2	f	-	-	-	2.15	(1.18- 3.92)
Subtotal 24							1.10	(0.79- 1.53)
26	HE1	2	f	-	-	-	1.60	(0.94- 2.90)
27	IRIBAR	4	m	-	-	-	1.13	(1.00- 1.27)
27	IRIBAR	19	f	-	-	-	1.20	(1.09- 1.30)
Subtotal 27							1.17	(1.09- 1.26)
28	ROSENL	2	m	-	-	-	0.96	(0.64- 1.44)
28	ROSENL	14	f	-	-	-	1.53	(0.95- 2.44)
Subtotal 28							1.17	(0.86- 1.59)
29	PITSAV	9	c	-	-	-	1.33	(0.89- 1.99)
31	CHEN	10	c	-	-	-	1.20	(0.70- 2.20)
32	NISHTA	3	c	-	-	-	2.38	(1.04- 5.42)
Partial Totals			0	0	0	0		

*prospective study

2005-07

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
34	MCGHEE	1	m	-	-	-	1.30	(0.88- 1.93)	
34	MCGHEE	2	f	-	-	-	1.39	(0.95- 2.04)	
Subtotal 34							1.35	(1.02- 1.77)	
35	QURESH	1	f	-	-	-	1.05	(0.81- 1.38)	
37	STRANG	22	m	156	370	39	91	0.98	(0.65- 1.50)
37	STRANG	14	f	78	671	11	123	1.30	(0.67- 2.51)
Subtotal 37							1.07	(0.75- 1.52)	
38	TEO	1	c	-	-	-	1.37	(1.27- 1.48)	
39	WEN	17	f	-	-	-	0.99	(0.72- 1.37)	
41	HILL1	2	m	-	-	-	1.04	(0.88- 1.23)	
41	HILL1	4	f	-	-	-	0.98	(0.83- 1.17)	
Subtotal 41							1.01	(0.90- 1.14)	
42	HILL2	2	m	-	-	-	1.18	(0.96- 1.44)	
42	HILL2	4	f	-	-	-	1.27	(0.98- 1.66)	
Subtotal 42							1.21	(1.03- 1.42)	
Partial Totals			234	1041	50	214			

*prospective study

2008 onwards

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
43	HE2	8	f	-	-	-	1.69	(1.31- 2.18)	
44	SULO	2	m	-	-	-	1.68	(0.81- 3.47)	
44	SULO	4	f	-	-	-	1.19	(0.25- 5.64)	
Subtotal 44							1.58	(0.82- 3.05)	
45	VOZORI	2	c	-	-	-	1.00	(0.80- 1.20)	
46	DING	2	f	-	-	-	1.52	(1.01- 2.27)	
47	GALLO	17	c	-	-	-	1.99	(0.92- 4.29)	
49	JEFFER	2	c	-	-	-	2.41	(1.04- 5.59)	
50	PEINEM	1	c	33	379	95	1387	1.27	(0.84- 1.92)
51	CHEN2	1	c	133	675	272	1601	1.16	(0.93- 1.45)
52	HE3	2	m	-	-	-	2.24	(0.76- 6.59)	
52	HE3	4	f	-	-	-	2.10	(0.69- 6.33)	
Subtotal 52							2.17	(1.00- 4.70)	
53	CLARK	4	m	-	-	-	1.98	(1.00- 3.93)	
53	CLARK	3	f	-	-	-	0.94	(0.67- 1.32)	
Subtotal 53							1.09	(0.80- 1.48)	
54	TROMSO	2	m	-	-	-	0.91	(0.61- 1.35)	
54	TROMSO	16	f	-	-	-	1.42	(1.06- 1.90)	
Subtotal 54							1.21	(0.96- 1.54)	
55	KASTOR	2	c	-	-	-	4.33	(1.52- 12.38)	
56	HALS2	2	m	-	-	-	1.26	(0.37- 4.31)	

 Within each study, 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), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 By publication year (grouped) - adjusted

2008 onwards							
StN Ref	NRR	Number Exposed	Non-exposed		RR	95.00%CI	
56	HALS2 4	SCase	Cont	Case	Cont	1.12 (	0.55- 2.28)
		f -	-	-	-	1.15 (	0.62- 2.13)
Subtotal 56							
Partial Totals		166	1054	367	2988		
*prospective study							
			1984-89	1990-97	1998-04	2005-07	2008 onwa
Total							
Relative risks							
	N	13	17	12	11	18	71
	NS	9	11	8	7	13	48
	Wt	461.70	3312.74	908.01	1245.54	425.85	6353.83
	Het Chi	13.35	29.32	15.29	23.12	30.79	155.97
	Het df	12	16	11	10	17	70
	Het P	N.S.	*	N.S.	*	*	***
	Fixed RR	1.25	1.04	1.19	1.23	1.26	1.12
	RRl	1.14	1.00	1.12	1.16	1.15	1.10
	RRu	1.37	1.08	1.27	1.30	1.39	1.15
	P	+++	+	+++	+++	+++	+++
	Random RR	1.27	1.08	1.21	1.15	1.34	1.20
	RRl	1.13	1.01	1.09	1.04	1.16	1.14
	RRu	1.41	1.16	1.36	1.28	1.56	1.26
	P	+++	+	+++	++	+++	+++
	Asymm P	*	*	N.S.	N.S.	*	***
	Between Chi		13.44	0.66	0.07	0.04	44.10
	Between df		1	1	1	1	4
	Between P		---	N.S.	N.S.	N.S.	***

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 By publication year (grouped) - unadjusted

1984-89

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
1	HIRAYA	3	f 376	69645	118	21895	1.00	(0.82- 1.23)
2	GARLAN	1	f 17	492	2	203	3.51	(0.82- 15.04)
3	LEE	1	m 15	40	26	93	1.34	(0.64- 2.80)
3	LEE	3	f 55	229	22	89	0.97	(0.56- 1.69)
Subtotal 3							1.09	(0.70- 1.70)
4	MARTIN	1	f -	-	-	-	2.60	(1.20- 5.70)
5	SVENDS	1	m 21	286	48	959	1.47	(0.89- 2.41)
6	BUTLER	1	f 20	10579	60	43052	1.36	(0.82- 2.25)
8	HOLE	3	m -	-	-	-	1.73	(1.01- 2.96)
8	HOLE	2	f -	-	-	-	1.65	(0.79- 3.46)
Subtotal 8							1.70	(1.10- 2.63)
9	JACKSO	3	m -	-	-	-	1.10	(0.40- 3.00)
9	JACKSO	1	f -	-	-	-	4.00	(1.35- 13.10)
Subtotal 9							1.94	(0.91- 4.13)
10	SANDLE	1	m 122	1248	248	2914	1.15	(0.93- 1.41)
10	SANDLE	3	f 551	9551	437	5322	0.70	(0.62- 0.79)
Subtotal 10							0.80	(0.72- 0.88)
Partial Totals			1177	92070	961	74527		

*prospective study

1990-97

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
11	HUMBLE	1	f -	-	-	-	1.59	(0.99- 2.57)
12	DOBSON	3	m 22	34	161	259	1.04	(0.59- 1.84)
12	DOBSON	1	f 43	99	117	433	1.61	(1.06- 2.43)
Subtotal 12							1.39	(0.99- 1.93)
13	GARDIN	1	c 4	14	8	10	0.36	(0.08- 1.52)
14	LAVECC	2	m 9	21	55	140	1.09	(0.47- 2.53)
14	LAVECC	1	f 32	39	11	17	1.27	(0.52- 3.09)
Subtotal 14							1.17	(0.64- 2.16)
15	LAYARD	1	m 97	215	378	783	0.93	(0.71- 1.22)
15	LAYARD	9	f 455	961	459	969	1.00	(0.85- 1.17)
Subtotal 15							0.98	(0.86- 1.13)
16	LEVOIS	1	m -	-	-	-	0.97	(0.90- 1.05)
16	LEVOIS	6	f -	-	-	-	1.03	(0.98- 1.08)
Subtotal 16							1.01	(0.97- 1.06)
18	MUSCAT	1	m 20	25	48	83	1.38	(0.70- 2.75)
18	MUSCAT	2	f 28	27	18	23	1.33	(0.59- 2.99)
Subtotal 18							1.36	(0.80- 2.30)
19	TUNSTA	1	c 329	1216	99	483	1.32	(1.03- 1.69)
20	STEENL	3	m -	-	-	-	1.09	(0.98- 1.21)
20	STEENL	4	f -	-	-	-	1.04	(0.93- 1.16)
Subtotal 20							1.07	(0.99- 1.15)
21	JANGHO	1	f 63	100	137	300	1.38	(0.95- 2.01)
22	KAWACH	11	f -	-	-	-	1.53	(0.81- 2.90)
Partial Totals			1102	2751	1491	3500		

*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 50
ETS and Heart Disease - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 28-JAN-15
 Excluding Enstrom
 By publication year (grouped) - unadjusted

1998-04

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
23	CIRUZZ	5	m 15	22	141	206	1.00	(0.50- 1.99)
23	CIRUZZ	6	f 29	25	151	193	1.48	(0.83- 2.64)
Subtotal 23							1.26	(0.81- 1.96)
24	MCELDU	3	m 53	172	145	373	0.79	(0.55- 1.14)
24	MCELDU	1	f 31	147	54	479	1.87	(1.16- 3.02)
Subtotal 24							1.08	(0.81- 1.45)
26	HE1	1	f 76	95	39	113	2.32	(1.44- 3.72)
27	IRIBAR	4	m -	-	-	-	1.13	(1.00- 1.27)
27	IRIBAR	19	f -	-	-	-	1.20	(1.09- 1.30)
Subtotal 27							1.17	(1.09- 1.26)
28	ROSENL	1	m 53	113	141	285	0.95	(0.65- 1.39)
28	ROSENL	13	f 65	119	59	144	1.33	(0.87- 2.05)
Subtotal 28							1.10	(0.83- 1.47)
29	PITSAV	9	c -	-	-	-	1.33	(0.89- 1.99)
31	CHEN	10	c -	-	-	-	1.20	(0.70- 2.20)
32	NISHTA	3	c -	-	-	-	2.38	(1.04- 5.42)
Partial Totals			322	693	730	1793		

*prospective study

2005-07

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
34	MCGHEE	5	m 74	71	285	347	1.27	(0.88- 1.82)
34	MCGHEE	6	f 113	150	112	195	1.31	(0.94- 1.84)
Subtotal 34							1.29	(1.01- 1.65)
35	QURESH	2	f 140	1823	79	1209	1.18	(0.90- 1.53)
37	STRANG	22	m 156	370	39	91	0.98	(0.65- 1.50)
37	STRANG	14	f 78	671	11	123	1.30	(0.67- 2.51)
Subtotal 37							1.07	(0.75- 1.52)
38	TEO	1	c -	-	-	-	1.37	(1.27- 1.48)
39	WEN	17	f -	-	-	-	0.99	(0.72- 1.37)
41	HILL1	1	m -	-	-	-	1.00	(0.85- 1.18)
41	HILL1	3	f -	-	-	-	0.98	(0.83- 1.15)
Subtotal 41							0.99	(0.88- 1.11)
42	HILL2	1	m -	-	-	-	1.07	(0.86- 1.32)
42	HILL2	3	f -	-	-	-	1.26	(0.98- 1.63)
Subtotal 42							1.15	(0.97- 1.35)
Partial Totals			561	3085	526	1965		

*prospective study

2008 onwards

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
43	HE2	1	f 200	277	231	501	1.57	(1.23- 1.99)
44	SULO	1	m -	-	-	-	1.76	(0.98- 3.18)
44	SULO	3	f -	-	-	-	1.05	(0.48- 2.30)
Subtotal 44							1.46	(0.91- 2.34)
45	VOZORI	1	c 293	11991	1480	34776	0.57	(0.51- 0.65)
46	DING	1	f 95	65	219	254	1.70	(1.18- 2.44)
47	GALLO	17	c -	-	-	-	1.99	(0.92- 4.29)
49	JEFFER	1	c -	-	-	-	2.17	(0.97- 4.84)
50	PEINEM	1	c 33	379	95	1387	1.27	(0.84- 1.92)
51	CHEN2	1	c 133	675	272	1601	1.16	(0.93- 1.45)
52	HE3	1	m 14	271	5	168	1.74	(0.64- 4.73)
52	HE3	3	f 18	340	4	131	1.73	(0.60- 5.03)
Subtotal 52							1.73	(0.84- 3.60)
53	CLARK	2	m 10	2115	76	34308	2.13	(1.11- 4.12)
53	CLARK	1	f 44	30877	181	94122	0.74	(0.53- 1.03)
Subtotal 53							0.92	(0.68- 1.23)
54	TROMSO	1	m -	-	-	-	0.95	(0.66- 1.37)
54	TROMSO	15	f -	-	-	-	1.35	(1.00- 1.81)
Subtotal 54							1.17	(0.93- 1.48)
55	KASTOR	1	c 32	37	20	62	2.68	(1.34- 5.35)
56	HALS2	1	m -	-	-	-	1.35	(0.46- 3.94)

 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), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 By publication year (grouped) - unadjusted

2008 onwards							
StN Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
56	HALS2 3	SCase	Cont	Case	Cont		
		f -	-	-	-	1.13 (	0.56- 2.29)
Subtotal 56						1.19 (	0.66- 2.15)
Partial Totals		872	47027	2583	167310		
*prospective study							
			1984-89	1990-97	1998-04	2005-07	2008 onwa
Total							
Relative risks							
	N	13	17	12	11	18	71
	NS	9	11	8	7	13	48
	Wt	528.57	3319.16	934.92	1271.88	604.76	6659.28
	Het Chi	55.22	22.64	22.08	25.86	128.92	311.01
	Het df	12	16	11	10	17	70
	Het P	***	N.S.	*	**	***	***
	Fixed RR	0.92	1.04	1.19	1.22	0.95	1.07
	RRl	0.84	1.00	1.12	1.15	0.87	1.05
	RRu	1.00	1.07	1.27	1.29	1.03	1.10
	P	(-)	+	+++	+++	N.S.	+++
	Random RR	1.30	1.06	1.24	1.14	1.34	1.18
	RRl	1.01	1.00	1.09	1.02	1.03	1.10
	RRu	1.66	1.12	1.42	1.28	1.74	1.26
	P	+	+	++	+	+	+++
	Asymm P	***	(*)	N.S.	N.S.	**	**
	Between Chi		6.51	22.66	29.18	0.24	56.29
	Between df		1	1	1	1	4
	Between P		+	+++	+++	N.S.	***

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 Overall - adjusted

Overall			Number Exposed		Non-exposed		RR	95.00%CI
StN	Ref	NRR	SCase	Cont	Case	Cont		
1	HIRAYA	6	f	-	-	-	-	1.16 (0.94- 1.43)
2	GARLAN	4	f	-	-	-	-	2.25 (0.32- 15.74)
3	LEE	2	m	-	-	-	-	1.24 (0.58- 2.67)
3	LEE	4	f	-	-	-	-	0.93 (0.53- 1.64)
Subtotal 3								1.03 (0.65- 1.62)
4	MARTIN	1	f	-	-	-	-	2.60 (1.20- 5.70)
5	SVENDS	2	m	-	-	-	-	1.61 (0.96- 2.71)
6	BUTLER	4	f	-	-	-	-	1.40 (0.51- 3.84)
8	HOLE	3	m	-	-	-	-	1.73 (1.01- 2.96)
8	HOLE	2	f	-	-	-	-	1.65 (0.79- 3.46)
Subtotal 8								1.70 (1.10- 2.63)
9	JACKSO	4	m	-	-	-	-	1.06 (0.39- 2.91)
9	JACKSO	2	f	-	-	-	-	3.74 (1.15- 12.19)
Subtotal 9								1.80 (0.84- 3.87)
10	SANDLE	2	m	-	-	-	-	1.31 (1.05- 1.64)
10	SANDLE	4	f	-	-	-	-	1.19 (1.04- 1.36)
Subtotal 10								1.22 (1.09- 1.37)
11	HUMBLE	1	f	-	-	-	-	1.59 (0.99- 2.57)
12	DOBSON	4	m	-	-	-	-	0.97 (0.50- 1.86)
12	DOBSON	2	f	-	-	-	-	2.46 (1.47- 4.13)
Subtotal 12								1.72 (1.15- 2.59)
13	GARDIN	2	c	-	-	-	-	0.57 (0.19- 1.74)
14	LAVECC	6	m	-	-	-	-	1.09 (0.39- 3.01)
14	LAVECC	4	f	-	-	-	-	1.36 (0.46- 4.05)
Subtotal 14								1.21 (0.57- 2.55)
15	LAYARD	2	m	-	-	-	-	0.97 (0.73- 1.28)
15	LAYARD	10	f	-	-	-	-	0.99 (0.84- 1.16)
Subtotal 15								0.98 (0.86- 1.13)
16	LEVOIS	2	m	-	-	-	-	0.98 (0.91- 1.06)
16	LEVOIS	7	f	-	-	-	-	1.04 (0.99- 1.09)
Subtotal 16								1.02 (0.98- 1.07)
18	MUSCAT	1	m	20	25	48	83	1.38 (0.70- 2.75)
18	MUSCAT	2	f	28	27	18	23	1.33 (0.59- 2.99)
Subtotal 18								1.36 (0.80- 2.30)
19	TUNSTA	2	c	-	-	-	-	1.34 (1.07- 1.67)
20	STEENL	1	m	-	-	-	-	1.22 (1.07- 1.40)
20	STEENL	2	f	-	-	-	-	1.10 (0.96- 1.27)
Subtotal 20								1.16 (1.05- 1.28)
21	JANGHO	1	f	63	100	137	300	1.38 (0.95- 2.01)
22	KAWACH	11	f	-	-	-	-	1.53 (0.81- 2.90)
23	CIRUZZ	7	m	-	-	-	-	1.18 (0.55- 2.52)
23	CIRUZZ	8	f	-	-	-	-	1.73 (0.89- 3.36)
Subtotal 23								1.47 (0.89- 2.42)
24	MCELDU	4	m	-	-	-	-	0.82 (0.55- 1.22)
24	MCELDU	2	f	-	-	-	-	2.15 (1.18- 3.92)
Subtotal 24								1.10 (0.79- 1.53)
26	HE1	2	f	-	-	-	-	1.60 (0.94- 2.90)
27	IRIBAR	4	m	-	-	-	-	1.13 (1.00- 1.27)
27	IRIBAR	19	f	-	-	-	-	1.20 (1.09- 1.30)
Subtotal 27								1.17 (1.09- 1.26)
28	ROSENL	4	m	-	-	-	-	0.98 (0.57- 1.69)
28	ROSENL	16	f	-	-	-	-	2.59 (1.27- 5.29)
Subtotal 28								1.40 (0.91- 2.16)
29	PITSAV	9	c	-	-	-	-	1.33 (0.89- 1.99)
31	CHEN	10	c	-	-	-	-	1.20 (0.70- 2.20)
32	NISHTA	3	c	-	-	-	-	2.38 (1.04- 5.42)
34	MCGHEE	1	m	-	-	-	-	1.30 (0.88- 1.93)
34	MCGHEE	2	f	-	-	-	-	1.39 (0.95- 2.04)
Subtotal 34								1.35 (1.02- 1.77)
35	QURESH	1	f	-	-	-	-	1.05 (0.81- 1.38)
37	STRANG	25	m	18	58	177	403	0.71 (0.40- 1.23)
37	STRANG	17	f	11	104	78	690	0.94 (0.48- 1.82)
Subtotal 37								0.79 (0.52- 1.22)
38	TEO	1	c	-	-	-	-	1.37 (1.27- 1.48)

 Within each study, 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), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 Overall - adjusted

Overall		Number Exposed		Non-exposed		RR	95.00%CI
StN	Ref	NRR	SCase	Cont	Case			Cont
39	WEN	18	f	-	-	-	1.19 (0.84- 1.67)
41	HILL1	2	m	-	-	-	1.04 (0.88- 1.23)
41	HILL1	4	f	-	-	-	0.98 (0.83- 1.17)
Subtotal 41							1.01 (0.90- 1.14)
42	HILL2	2	m	-	-	-	1.18 (0.96- 1.44)
42	HILL2	4	f	-	-	-	1.27 (0.98- 1.66)
Subtotal 42							1.21 (1.03- 1.42)
43	HE2	8	f	-	-	-	1.69 (1.31- 2.18)
44	SULO	2	m	-	-	-	1.68 (0.81- 3.47)
44	SULO	4	f	-	-	-	1.19 (0.25- 5.64)
Subtotal 44							1.58 (0.82- 3.05)
45	VOZORI	2	c	-	-	-	1.00 (0.80- 1.20)
46	DING	2	f	-	-	-	1.52 (1.01- 2.27)
47	GALLO	17	c	-	-	-	1.99 (0.92- 4.29)
49	JEFFER	2	c	-	-	-	2.41 (1.04- 5.59)
50	PEINEM	1	c	33	379	95	1.27 (0.84- 1.92)
51	CHEN2	1	c	133	675	272	1.16 (0.93- 1.45)
52	HE3	2	m	-	-	-	2.24 (0.76- 6.59)
52	HE3	4	f	-	-	-	2.10 (0.69- 6.33)
Subtotal 52							2.17 (1.00- 4.70)
53	CLARK	4	m	-	-	-	1.98 (1.00- 3.93)
53	CLARK	3	f	-	-	-	0.94 (0.67- 1.32)
Subtotal 53							1.09 (0.80- 1.48)
54	TROMSO	2	m	-	-	-	0.91 (0.61- 1.35)
54	TROMSO	16	f	-	-	-	1.42 (1.06- 1.90)
Subtotal 54							1.21 (0.96- 1.54)
55	KASTOR	2	c	-	-	-	4.33 (1.52- 12.38)
56	HALS2	2	m	-	-	-	1.26 (0.37- 4.31)
56	HALS2	4	f	-	-	-	1.12 (0.55- 2.28)
Subtotal 56							1.15 (0.62- 2.13)
Partial Totals			306	1368	825	4487	
*prospective study							

StN	Ref	NRR	SEX	EXP	TYS	Ws	Qs	Ps
1	HIRAYA	6	f	s	0.15	87.29	0.03	0.1655
2	GARLAN	4	f	s	0.81	1.01	0.47	0.4145
3	LEE	2	m	s	0.22	6.59	0.05	0.5808
3	LEE	4	f	s	-0.07	12.04	0.49	0.8012
Subtotal 3					0.03	18.63	0.54	
4	MARTIN	1	f	s	0.96	6.33	4.33	0.0162
5	SVENDS	2	m	s	0.48	14.27	1.72	0.0720
6	BUTLER	4	f	s	0.34	3.77	0.16	0.5135
8	HOLE	3	m	h	0.55	13.29	2.34	0.0457
8	HOLE	2	f	h	0.50	7.04	0.97	0.1838
Subtotal 8					0.53	20.33	3.31	
9	JACKSO	4	m	h	0.06	3.80	0.02	0.9095
9	JACKSO	2	f	h	1.32	2.76	3.91	0.0285
Subtotal 9					0.59	6.56	3.92	
10	SANDLE	2	m	h	0.27	77.28	1.54	0.0176
10	SANDLE	4	f	h	0.17	213.52	0.43	0.0110
Subtotal 10					0.20	290.80	1.98	
11	HUMBLE	1	f	s	0.46	16.88	1.89	0.0567
12	DOBSON	4	m	h	-0.03	8.90	0.23	0.9276
12	DOBSON	2	f	h	0.90	14.40	8.57	0.0006
Subtotal 12					0.54	23.30	8.79	
13	GARDIN	2	c	s	-0.56	3.13	1.50	0.3198
14	LAVECC	6	m	s	0.09	3.68	0.01	0.8687
14	LAVECC	4	f	s	0.31	3.25	0.10	0.5795
Subtotal 14					0.19	6.93	0.11	
15	LAYARD	2	m	s	-0.03	48.72	1.24	0.8316
15	LAYARD	10	f	s	-0.01	147.49	2.84	0.9029
Subtotal 15					-0.02	196.21	4.08	
16	LEVOIS	2	m	s	-0.02	660.03	14.66	0.6037

 Within each study, 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), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 Overall - adjusted

Overall

StN	Ref	NRR	SEX	EXP	TYs	Ws	Qs	Ps
16	LEVOIS	7	f	s	0.04	1659.41	13.32	0.1101
Subtotal 16						0.02	2319.43	27.98
18	MUSCAT	1	m	s	0.32	8.14	0.31	0.3546
18	MUSCAT	2	f	s	0.28	5.82	0.14	0.4970
Subtotal 18						0.31	13.96	0.45
19	TUNSTA	2	c	t	0.29	77.54	2.08	0.0100
20	STEENL	1	m	s	0.20	212.64	1.04	0.0037
20	STEENL	2	f	s	0.10	196.22	0.22	0.1818
Subtotal 20						0.15	408.86	1.26
21	JANGHO	1	f	s	0.32	27.39	1.02	0.0922
22	KAWACH	11	f	h	0.43	9.45	0.83	0.1912
23	CIRUZZ	7	m	s	0.17	6.63	0.01	0.6699
23	CIRUZZ	8	f	s	0.55	8.71	1.53	0.1058
Subtotal 23						0.38	15.34	1.54
24	MCELDU	4	m	t	-0.20	24.21	2.59	0.3288
24	MCELDU	2	f	t	0.77	10.66	4.32	0.0124
Subtotal 24						0.10	34.87	6.91
26	HE1	2	f	s	0.47	12.11	1.41	0.1020
27	IRIBAR	4	m	h	0.12	268.97	0.01	0.0450
27	IRIBAR	19	f	h	0.18	495.01	1.42	0.0000
Subtotal 27						0.16	763.97	1.43
28	ROSENL	4	m	s	-0.02	13.01	0.29	0.9419
28	ROSENL	16	f	s	0.95	7.55	5.11	0.0089
Subtotal 28						0.34	20.56	5.40
29	PITSAV	9	c	h	0.29	23.73	0.58	0.1648
31	CHEN	10	c	h	0.18	11.72	0.03	0.5326
32	NISHTA	3	c	s	0.87	5.64	3.07	0.0395
34	MCGHEE	1	m	h	0.26	24.91	0.44	0.1904
34	MCGHEE	2	f	h	0.33	26.31	1.06	0.0912
Subtotal 34						0.30	51.22	1.50
35	QURESH	1	f	s	0.05	54.13	0.35	0.7196
37	STRANG	25	m	h	-0.35	12.36	2.80	0.2222
37	STRANG	17	f	h	-0.07	8.71	0.33	0.8444
Subtotal 37						-0.23	21.07	3.13
38	TEO	1	c	t	0.31	656.19	22.70	0.0000
39	WEN	18	f	s	0.17	32.54	0.07	0.3211
41	HILL1	2	m	h	0.04	137.04	1.10	0.6461
41	HILL1	4	f	h	-0.02	130.35	2.90	0.8176
Subtotal 41						0.01	267.40	4.00
42	HILL2	2	m	h	0.17	93.46	0.13	0.1096
42	HILL2	4	f	h	0.24	55.32	0.67	0.0754
Subtotal 42						0.19	148.79	0.80
43	HE2	8	f	t	0.52	59.24	9.28	0.0001
44	SULO	2	m	s	0.52	7.26	1.10	0.1622
44	SULO	4	f	s	0.17	1.58	0.00	0.8268
Subtotal 44						0.46	8.84	1.11
45	VOZORI	2	c	t	0.00	93.46	1.55	1.0000
46	DING	2	f	h	0.42	23.43	1.97	0.0427
47	GALLO	17	c	s	0.69	6.48	2.03	0.0798
49	JEFFER	2	c	s	0.88	5.43	3.06	0.0403
50	PEINEM	1	c	t	0.24	22.63	0.28	0.2536
51	CHEN2	1	c	t	0.15	75.18	0.03	0.1987
52	HE3	2	m	t	0.81	3.29	1.51	0.1433
52	HE3	4	f	t	0.74	3.13	1.18	0.1894
Subtotal 52						0.78	6.42	2.69
53	CLARK	4	m	h	0.68	8.20	2.52	0.0504
53	CLARK	3	f	h	-0.06	33.42	1.22	0.7206
Subtotal 53						0.08	41.62	3.74
54	TROMSO	2	m	h	-0.09	24.35	1.21	0.6417
54	TROMSO	16	f	h	0.35	45.12	2.22	0.0185
Subtotal 54						0.19	69.47	3.43
55	KASTOR	2	c	t	1.47	3.49	6.24	0.0062
56	HALS2	2	m	h	0.23	2.55	0.03	0.7121
56	HALS2	4	f	h	0.11	7.60	0.00	0.7547

 Within each study, 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), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 Overall - adjusted

Overall

StN	Ref	NRR	SEX	EXP	TYs	Ws	Qs	Ps
Subtotal	56				0.14	10.15	0.03	

Relative risks

	N	71
	NS	48
	Wt	6097.21
Het	Chi	154.81
Het	df	70
Het	P	***
Fixed	RR	1.14
	RRl	1.11
	RRu	1.17
	P	+++
Random	RR	1.21
	RRl	1.15
	RRu	1.28
	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), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 Overall - unadjusted

Overall		Number Exposed		Non-exposed		RR	95.00%CI	
StN	Ref	SCase	Cont	Case	Cont			
1	HIRAYA 3	f	376	69645	118	21895	1.00	(0.82- 1.23)
2	GARLAN 2	f	2	97	2	203	2.09	(0.30- 14.64)
3	LEE 1	m	15	40	26	93	1.34	(0.64- 2.80)
3	LEE 3	f	55	229	22	89	0.97	(0.56- 1.69)
Subtotal 3							1.09	(0.70- 1.70)
4	MARTIN 1	f	-	-	-	-	2.60	(1.20- 5.70)
5	SVENDS 1	m	21	286	48	959	1.47	(0.89- 2.41)
6	BUTLER 3	f	4	2487	60	43053	1.15	(0.42- 3.17)
8	HOLE 3	m	-	-	-	-	1.73	(1.01- 2.96)
8	HOLE 2	f	-	-	-	-	1.65	(0.79- 3.46)
Subtotal 8							1.70	(1.10- 2.63)
9	JACKSO 3	m	-	-	-	-	1.10	(0.40- 3.00)
9	JACKSO 1	f	-	-	-	-	4.00	(1.35- 13.10)
Subtotal 9							1.94	(0.91- 4.13)
10	SANDLE 1	m	122	1248	248	2914	1.15	(0.93- 1.41)
10	SANDLE 3	f	551	9551	437	5322	0.70	(0.62- 0.79)
Subtotal 10							0.80	(0.72- 0.88)
11	HUMBLE 1	f	-	-	-	-	1.59	(0.99- 2.57)
12	DOBSON 3	m	22	34	161	259	1.04	(0.59- 1.84)
12	DOBSON 1	f	43	99	117	433	1.61	(1.06- 2.43)
Subtotal 12							1.39	(0.99- 1.93)
13	GARDIN 1	c	4	14	8	10	0.36	(0.08- 1.52)
14	LAVECC 5	m	7	17	55	140	1.05	(0.41- 2.67)
14	LAVECC 3	f	17	20	11	17	1.31	(0.48- 3.56)
Subtotal 14							1.16	(0.59- 2.30)
15	LAYARD 1	m	97	215	378	783	0.93	(0.71- 1.22)
15	LAYARD 9	f	455	961	459	969	1.00	(0.85- 1.17)
Subtotal 15							0.98	(0.86- 1.13)
16	LEVOIS 2	m	-	-	-	-	0.98	(0.91- 1.06)
16	LEVOIS 7	f	-	-	-	-	1.04	(0.99- 1.09)
Subtotal 16							1.02	(0.98- 1.07)
18	MUSCAT 1	m	20	25	48	83	1.38	(0.70- 2.75)
18	MUSCAT 2	f	28	27	18	23	1.33	(0.59- 2.99)
Subtotal 18							1.36	(0.80- 2.30)
19	TUNSTA 1	c	329	1216	99	483	1.32	(1.03- 1.69)
20	STEENL 1	m	-	-	-	-	1.22	(1.07- 1.40)
20	STEENL 2	f	-	-	-	-	1.10	(0.96- 1.27)
Subtotal 20							1.16	(1.05- 1.28)
21	JANGHO 1	f	63	100	137	300	1.38	(0.95- 2.01)
22	KAWACH 11	f	-	-	-	-	1.53	(0.81- 2.90)
23	CIRUZZ 5	m	15	22	141	206	1.00	(0.50- 1.99)
23	CIRUZZ 6	f	29	25	151	193	1.48	(0.83- 2.64)
Subtotal 23							1.26	(0.81- 1.96)
24	MCELDU 3	m	53	172	145	373	0.79	(0.55- 1.14)
24	MCELDU 1	f	31	147	54	479	1.87	(1.16- 3.02)
Subtotal 24							1.08	(0.81- 1.45)
26	HE1 1	f	76	95	39	113	2.32	(1.44- 3.72)
27	IRIBAR 4	m	-	-	-	-	1.13	(1.00- 1.27)
27	IRIBAR 19	f	-	-	-	-	1.20	(1.09- 1.30)
Subtotal 27							1.17	(1.09- 1.26)
28	ROENL 3	m	27	51	141	285	1.07	(0.64- 1.78)
28	ROENL 15	f	21	24	59	144	2.14	(1.10- 4.13)
Subtotal 28							1.38	(0.93- 2.07)
29	PITSAV 9	c	-	-	-	-	1.33	(0.89- 1.99)
31	CHEN 10	c	-	-	-	-	1.20	(0.70- 2.20)
32	NISHTA 3	c	-	-	-	-	2.38	(1.04- 5.42)
34	MCGHEE 5	m	74	71	285	347	1.27	(0.88- 1.82)
34	MCGHEE 6	f	113	150	112	195	1.31	(0.94- 1.84)
Subtotal 34							1.29	(1.01- 1.65)
35	QURESH 2	f	140	1823	79	1209	1.18	(0.90- 1.53)
37	STRANG 25	m	18	58	177	403	0.71	(0.40- 1.23)
37	STRANG 17	f	11	104	78	690	0.94	(0.48- 1.82)
Subtotal 37							0.79	(0.52- 1.22)
38	TEO 1	c	-	-	-	-	1.37	(1.27- 1.48)

 Within each study, 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), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 Overall - unadjusted

Overall		Number Exposed		Non-exposed		RR	95.00%CI	
StN	Ref	SCase	Cont	Case	Cont			
39	WEN 18	f	-	-	-	1.19	(0.84- 1.67)	
41	HILL1 1	m	-	-	-	1.00	(0.85- 1.18)	
41	HILL1 3	f	-	-	-	0.98	(0.83- 1.15)	
Subtotal 41						0.99	(0.88- 1.11)	
42	HILL2 1	m	-	-	-	1.07	(0.86- 1.32)	
42	HILL2 3	f	-	-	-	1.26	(0.98- 1.63)	
Subtotal 42						1.15	(0.97- 1.35)	
43	HE2 1	f	200	277	231	501	1.57	(1.23- 1.99)
44	SULO 1	m	-	-	-	-	1.76	(0.98- 3.18)
44	SULO 3	f	-	-	-	-	1.05	(0.48- 2.30)
Subtotal 44							1.46	(0.91- 2.34)
45	VOZORI 1	c	293	11991	1480	34776	0.57	(0.51- 0.65)
46	DING 1	f	95	65	219	254	1.70	(1.18- 2.44)
47	GALLO 17	c	-	-	-	-	1.99	(0.92- 4.29)
49	JEFFER 1	c	-	-	-	-	2.17	(0.97- 4.84)
50	PEINEM 1	c	33	379	95	1387	1.27	(0.84- 1.92)
51	CHEN2 1	c	133	675	272	1601	1.16	(0.93- 1.45)
52	HE3 1	m	14	271	5	168	1.74	(0.64- 4.73)
52	HE3 3	f	18	340	4	131	1.73	(0.60- 5.03)
Subtotal 52							1.73	(0.84- 3.60)
53	CLARK 2	m	10	2115	76	34308	2.13	(1.11- 4.12)
53	CLARK 1	f	44	30877	181	94122	0.74	(0.53- 1.03)
Subtotal 53							0.92	(0.68- 1.23)
54	TROMSO 1	m	-	-	-	-	0.95	(0.66- 1.37)
54	TROMSO 15	f	-	-	-	-	1.35	(1.00- 1.81)
Subtotal 54							1.17	(0.93- 1.48)
55	KASTOR 1	c	32	37	20	62	2.68	(1.34- 5.35)
56	HALS2 1	m	-	-	-	-	1.35	(0.46- 3.94)
56	HALS2 3	f	-	-	-	-	1.13	(0.56- 2.29)
Subtotal 56							1.19	(0.66- 2.15)
Partial Totals			3711	136080	6496	249975		

*prospective study

StN	Ref	NRR	SEX	EXP	TYS	Ws	Qs	Ps
1	HIRAYA	3	f	s	0.00	90.30	0.52	0.9867
2	GARLAN	2	f	s	0.74	1.02	0.44	0.4568
3	LEE	1	m	s	0.29	7.10	0.33	0.4340
3	LEE	3	f	s	-0.03	12.62	0.14	0.9185
Subtotal 3					0.09	19.72	0.47	
4	MARTIN	1	f	s	0.96	6.33	4.88	0.0162
5	SVENDS	1	m	s	0.38	15.65	1.46	0.1296
6	BUTLER	3	f	s	0.14	3.76	0.02	0.7812
8	HOLE	3	m	h	0.55	13.29	2.94	0.0457
8	HOLE	2	f	h	0.50	7.04	1.26	0.1838
Subtotal 8					0.53	20.33	4.21	
9	JACKSO	3	m	h	0.10	3.78	0.00	0.8529
9	JACKSO	1	f	h	1.39	2.98	5.10	0.0168
Subtotal 9					0.66	6.76	5.10	
10	SANDLE	1	m	h	0.14	90.22	0.34	0.1881
10	SANDLE	3	f	h	-0.35	262.43	48.61	0.0000
Subtotal 10					-0.23	352.64	48.95	
11	HUMBLE	1	f	s	0.46	16.88	2.52	0.0567
12	DOBSON	3	m	h	0.04	11.77	0.02	0.8905
12	DOBSON	1	f	h	0.47	22.62	3.57	0.0240
Subtotal 12					0.33	34.39	3.59	
13	GARDIN	1	c	s	-1.03	1.83	2.24	0.1637
14	LAVECC	5	m	s	0.05	4.41	0.00	0.9214
14	LAVECC	3	f	s	0.27	3.87	0.15	0.5916
Subtotal 14					0.15	8.27	0.15	
15	LAYARD	1	m	s	-0.07	52.96	1.11	0.6223
15	LAYARD	9	f	s	-0.00	155.06	0.94	0.9954
Subtotal 15					-0.02	208.02	2.05	
16	LEVOIS	2	m	s	-0.02	660.03	6.29	0.6037

 Within each study, 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), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 Overall - unadjusted

Overall

StN	Ref	NRR	SEX	EXP	TYs	Ws	Qs	Ps
16	LEVOIS	7	f	s	0.04	1659.41	2.42	0.1101
Subtotal 16						0.02	2319.43	8.71
18	MUSCAT	1	m	s	0.32	8.14	0.50	0.3546
18	MUSCAT	2	f	s	0.28	5.82	0.24	0.4970
Subtotal 18						0.31	13.96	0.74
19	TUNSTA	1	c	t	0.28	62.37	2.50	0.0283
20	STEENL	1	m	s	0.20	212.64	3.14	0.0037
20	STEENL	2	f	s	0.10	196.22	0.06	0.1818
Subtotal 20						0.15	408.86	3.20
21	JANGHO	1	f	s	0.32	27.39	1.64	0.0922
22	KAWACH	11	f	h	0.43	9.45	1.14	0.1912
23	CIRUZZ	5	m	s	-0.00	8.06	0.05	0.9912
23	CIRUZZ	6	f	s	0.39	11.59	1.16	0.1800
Subtotal 23						0.23	19.65	1.21
24	MCELDU	3	m	t	-0.23	29.19	2.80	0.2093
24	MCELDU	1	f	t	0.63	16.76	5.05	0.0104
Subtotal 24						0.08	45.95	7.85
26	HE1	1	f	s	0.84	17.19	10.01	0.0005
27	IRIBAR	4	m	h	0.12	268.97	0.54	0.0450
27	IRIBAR	19	f	h	0.18	495.01	5.45	0.0000
Subtotal 27						0.16	763.97	5.99
28	ROENL	3	m	s	0.07	14.87	0.00	0.7939
28	ROENL	15	f	s	0.76	8.84	4.10	0.0241
Subtotal 28						0.33	23.71	4.10
29	PITSAV	9	c	h	0.29	23.73	1.02	0.1648
31	CHEN	10	c	h	0.18	11.72	0.13	0.5326
32	NISHTA	3	c	s	0.87	5.64	3.52	0.0395
34	MCGHEE	5	m	h	0.24	29.42	0.76	0.1963
34	MCGHEE	6	f	h	0.27	33.81	1.27	0.1147
Subtotal 34						0.26	63.24	2.03
35	QURESH	2	f	s	0.16	54.27	0.38	0.2341
37	STRANG	25	m	h	-0.35	12.36	2.23	0.2222
37	STRANG	17	f	h	-0.07	8.71	0.18	0.8444
Subtotal 37						-0.23	21.07	2.41
38	TEO	1	c	t	0.31	656.19	36.99	0.0000
39	WEN	18	f	s	0.17	32.54	0.30	0.3211
41	HILL1	1	m	h	0.00	142.80	0.86	1.0000
41	HILL1	3	f	h	-0.02	144.50	1.38	0.8081
Subtotal 41						-0.01	287.30	2.23
42	HILL2	1	m	h	0.07	83.70	0.01	0.5359
42	HILL2	3	f	h	0.23	59.36	1.40	0.0750
Subtotal 42						0.14	143.06	1.41
43	HE2	1	f	t	0.45	66.96	9.22	0.0002
44	SULO	1	m	s	0.57	11.09	2.64	0.0598
44	SULO	3	f	s	0.05	6.26	0.01	0.9029
Subtotal 44						0.38	17.35	2.65
45	VOZORI	1	c	t	-0.55	238.05	95.16	0.0000
46	DING	1	f	h	0.53	29.06	5.89	0.0044
47	GALLO	17	c	s	0.69	6.48	2.42	0.0798
49	JEFFER	1	c	s	0.77	5.95	2.89	0.0588
50	PEINEM	1	c	t	0.24	22.63	0.60	0.2536
51	CHEN2	1	c	t	0.15	75.18	0.38	0.1987
52	HE3	1	m	t	0.55	3.82	0.86	0.2811
52	HE3	3	f	t	0.55	3.39	0.76	0.3109
Subtotal 52						0.55	7.21	1.62
53	CLARK	2	m	h	0.76	8.88	4.11	0.0239
53	CLARK	1	f	h	-0.30	35.45	5.04	0.0743
Subtotal 53						-0.09	44.33	9.16
54	TROMSO	1	m	h	-0.05	28.81	0.48	0.7831
54	TROMSO	15	f	h	0.30	43.65	2.16	0.0474
Subtotal 54						0.16	72.46	2.64
55	KASTOR	1	c	t	0.99	8.04	6.64	0.0052
56	HALS2	1	m	h	0.30	3.33	0.17	0.5839
56	HALS2	3	f	h	0.12	7.75	0.02	0.7337

 Within each study, 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), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 Overall - unadjusted

Overall

StN	Ref	NRR	SEX	EXP	TYs	Ws	Qs	Ps
Subtotal	56				0.18	11.08	0.18	

Relative risks

	N	71
	NS	48
	Wt	6401.35
Het	Chi	313.56
Het	df	70
Het	P	***
Fixed	RR	1.08
	RRl	1.05
	RRu	1.11
	P	+++
Random	RR	1.19
	RRl	1.11
	RRu	1.28
	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), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 By sex - adjusted

combined

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
13	GARDIN	2	c	-	-	-	0.57 (0.19-	1.74)	
19	TUNSTA	2	c	-	-	-	1.34 (1.07-	1.67)	
29	PITSAV	9	c	-	-	-	1.33 (0.89-	1.99)	
31	CHEN	10	c	-	-	-	1.20 (0.70-	2.20)	
32	NISHTA	3	c	-	-	-	2.38 (1.04-	5.42)	
38	TEO	1	c	-	-	-	1.37 (1.27-	1.48)	
45	VOZORI	2	c	-	-	-	1.00 (0.80-	1.20)	
47	GALLO	17	c	-	-	-	1.99 (0.92-	4.29)	
49	JEFFER	2	c	-	-	-	2.41 (1.04-	5.59)	
50	PEINEM	1	c	33	379	95	1387	1.27 (0.84-	1.92)
51	CHEN2	1	c	133	675	272	1601	1.16 (0.93-	1.45)
55	KASTOR	2	c	-	-	-	-	4.33 (1.52-	12.38)
Partial Totals				166	1054	367	2988		

*prospective study

male

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
3	LEE	2	m	-	-	-	-	1.24 (0.58-	2.67)
5	SVENDS	2	m	-	-	-	-	1.61 (0.96-	2.71)
8	HOLE	3	m	-	-	-	-	1.73 (1.01-	2.96)
9	JACKSO	4	m	-	-	-	-	1.06 (0.39-	2.91)
10	SANDLE	2	m	-	-	-	-	1.31 (1.05-	1.64)
12	DOBSON	4	m	-	-	-	-	0.97 (0.50-	1.86)
14	LAVECC	6	m	-	-	-	-	1.09 (0.39-	3.01)
15	LAYARD	2	m	-	-	-	-	0.97 (0.73-	1.28)
16	LEVOIS	2	m	-	-	-	-	0.98 (0.91-	1.06)
18	MUSCAT	1	m	20	25	48	83	1.38 (0.70-	2.75)
20	STEENL	1	m	-	-	-	-	1.22 (1.07-	1.40)
23	CIRUZZ	7	m	-	-	-	-	1.18 (0.55-	2.52)
24	MCELDU	4	m	-	-	-	-	0.82 (0.55-	1.22)
27	IRIBAR	4	m	-	-	-	-	1.13 (1.00-	1.27)
28	ROSENL	4	m	-	-	-	-	0.98 (0.57-	1.69)
34	MCGHEE	1	m	-	-	-	-	1.30 (0.88-	1.93)
37	STRANG	25	m	18	58	177	403	0.71 (0.40-	1.23)
41	HILL1	2	m	-	-	-	-	1.04 (0.88-	1.23)
42	HILL2	2	m	-	-	-	-	1.18 (0.96-	1.44)
44	SULO	2	m	-	-	-	-	1.68 (0.81-	3.47)
52	HE3	2	m	-	-	-	-	2.24 (0.76-	6.59)
53	CLARK	4	m	-	-	-	-	1.98 (1.00-	3.93)
54	TROMSO	2	m	-	-	-	-	0.91 (0.61-	1.35)
56	HALS2	2	m	-	-	-	-	1.26 (0.37-	4.31)
Partial Totals				38	83	225	486		

*prospective study

female

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
1	HIRAYA	6	f	-	-	-	-	1.16 (0.94-	1.43)
2	GARLAN	4	f	-	-	-	-	2.25 (0.32-	15.74)
3	LEE	4	f	-	-	-	-	0.93 (0.53-	1.64)
4	MARTIN	1	f	-	-	-	-	2.60 (1.20-	5.70)
6	BUTLER	4	f	-	-	-	-	1.40 (0.51-	3.84)
8	HOLE	2	f	-	-	-	-	1.65 (0.79-	3.46)
9	JACKSO	2	f	-	-	-	-	3.74 (1.15-	12.19)
10	SANDLE	4	f	-	-	-	-	1.19 (1.04-	1.36)
11	HUMBLE	1	f	-	-	-	-	1.59 (0.99-	2.57)
12	DOBSON	2	f	-	-	-	-	2.46 (1.47-	4.13)
14	LAVECC	4	f	-	-	-	-	1.36 (0.46-	4.05)
15	LAYARD	10	f	-	-	-	-	0.99 (0.84-	1.16)
16	LEVOIS	7	f	-	-	-	-	1.04 (0.99-	1.09)
18	MUSCAT	2	f	28	27	18	23	1.33 (0.59-	2.99)
20	STEENL	2	f	-	-	-	-	1.10 (0.96-	1.27)
21	JANGHO	1	f	63	100	137	300	1.38 (0.95-	2.01)

 Within each study, 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), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 By sex - adjusted

female

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI	
			SCase	Cont	Case	Cont			
22	KAWACH	11	f	-	-	-	-	1.53	(0.81- 2.90)
23	CIRUZZ	8	f	-	-	-	-	1.73	(0.89- 3.36)
24	MCELDU	2	f	-	-	-	-	2.15	(1.18- 3.92)
26	HE1	2	f	-	-	-	-	1.60	(0.94- 2.90)
27	IRIBAR	19	f	-	-	-	-	1.20	(1.09- 1.30)
28	ROSENL	16	f	-	-	-	-	2.59	(1.27- 5.29)
34	MCGHEE	2	f	-	-	-	-	1.39	(0.95- 2.04)
35	QURESH	1	f	-	-	-	-	1.05	(0.81- 1.38)
37	STRANG	17	f	11	104	78	690	0.94	(0.48- 1.82)
39	WEN	18	f	-	-	-	-	1.19	(0.84- 1.67)
41	HILL1	4	f	-	-	-	-	0.98	(0.83- 1.17)
42	HILL2	4	f	-	-	-	-	1.27	(0.98- 1.66)
43	HE2	8	f	-	-	-	-	1.69	(1.31- 2.18)
44	SULO	4	f	-	-	-	-	1.19	(0.25- 5.64)
46	DING	2	f	-	-	-	-	1.52	(1.01- 2.27)
52	HE3	4	f	-	-	-	-	2.10	(0.69- 6.33)
53	CLARK	3	f	-	-	-	-	0.94	(0.67- 1.32)
54	TROMSO	16	f	-	-	-	-	1.42	(1.06- 1.90)
56	HALS2	4	f	-	-	-	-	1.12	(0.55- 2.28)
Partial Totals				102	231	233	1013		

*prospective study

combined male female Total

Relative risks

N	12	24	35	71
NS	12	24	35	71
Wt	984.63	1683.60	3428.97	6097.21
Het Chi	21.69	32.32	73.80	154.81
Het df	11	23	34	70
Het P	*	(*)	***	***
Fixed RR	1.32	1.08	1.12	1.14
RRl	1.24	1.03	1.08	1.11
RRu	1.40	1.13	1.16	1.17
P	+++	++	+++	+++
Random RR	1.30	1.12	1.24	1.21
RRl	1.14	1.04	1.15	1.15
RRu	1.50	1.21	1.34	1.28
P	+++	++	+++	+++
Asymm P	N.S.	(*)	***	***
Between Chi		24.81	20.68	27.02
Between df		1	1	2
Between P		---	---	***

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 By sex - unadjusted

combined

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
13	GARDIN	1	c 4	14	8	10	0.36 (0.08- 1.52)	
19	TUNSTA	1	c 329	1216	99	483	1.32 (1.03- 1.69)	
29	PITSAV	9	c -	-	-	-	1.33 (0.89- 1.99)	
31	CHEN	10	c -	-	-	-	1.20 (0.70- 2.20)	
32	NISHTA	3	c -	-	-	-	2.38 (1.04- 5.42)	
38	TEO	1	c -	-	-	-	1.37 (1.27- 1.48)	
45	VOZORI	1	c 293	11991	1480	34776	0.57 (0.51- 0.65)	
47	GALLO	17	c -	-	-	-	1.99 (0.92- 4.29)	
49	JEFFER	1	c -	-	-	-	2.17 (0.97- 4.84)	
50	PEINEM	1	c 33	379	95	1387	1.27 (0.84- 1.92)	
51	CHEN2	1	c 133	675	272	1601	1.16 (0.93- 1.45)	
55	KASTOR	1	c 32	37	20	62	2.68 (1.34- 5.35)	
Partial Totals			824	14312	1974	38319		

*prospective study

male

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
3	LEE	1	m 15	40	26	93	1.34 (0.64- 2.80)	
5	SVENDS	1	m 21	286	48	959	1.47 (0.89- 2.41)	
8	HOLE	3	m -	-	-	-	1.73 (1.01- 2.96)	
9	JACKSO	3	m -	-	-	-	1.10 (0.40- 3.00)	
10	SANDLE	1	m 122	1248	248	2914	1.15 (0.93- 1.41)	
12	DOBSON	3	m 22	34	161	259	1.04 (0.59- 1.84)	
14	LAVECC	5	m 7	17	55	140	1.05 (0.41- 2.67)	
15	LAYARD	1	m 97	215	378	783	0.93 (0.71- 1.22)	
16	LEVOIS	2	m -	-	-	-	0.98 (0.91- 1.06)	
18	MUSCAT	1	m 20	25	48	83	1.38 (0.70- 2.75)	
20	STEENL	1	m -	-	-	-	1.22 (1.07- 1.40)	
23	CIRUZZ	5	m 15	22	141	206	1.00 (0.50- 1.99)	
24	MCELDU	3	m 53	172	145	373	0.79 (0.55- 1.14)	
27	IRIBAR	4	m -	-	-	-	1.13 (1.00- 1.27)	
28	ROSENL	3	m 27	51	141	285	1.07 (0.64- 1.78)	
34	MCGHEE	5	m 74	71	285	347	1.27 (0.88- 1.82)	
37	STRANG	25	m 18	58	177	403	0.71 (0.40- 1.23)	
41	HILL1	1	m -	-	-	-	1.00 (0.85- 1.18)	
42	HILL2	1	m -	-	-	-	1.07 (0.86- 1.32)	
44	SULO	1	m -	-	-	-	1.76 (0.98- 3.18)	
52	HE3	1	m 14	271	5	168	1.74 (0.64- 4.73)	
53	CLARK	2	m 10	2115	76	34308	2.13 (1.11- 4.12)	
54	TROMSO	1	m -	-	-	-	0.95 (0.66- 1.37)	
56	HALS2	1	m -	-	-	-	1.35 (0.46- 3.94)	
Partial Totals			515	4625	1934	41321		

*prospective study

female

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
1	HIRAYA	3	f 376	69645	118	21895	1.00 (0.82- 1.23)	
2	GARLAN	2	f 2	97	2	203	2.09 (0.30- 14.64)	
3	LEE	3	f 55	229	22	89	0.97 (0.56- 1.69)	
4	MARTIN	1	f -	-	-	-	2.60 (1.20- 5.70)	
6	BUTLER	3	f 4	2487	60	43053	1.15 (0.42- 3.17)	
8	HOLE	2	f -	-	-	-	1.65 (0.79- 3.46)	
9	JACKSO	1	f -	-	-	-	4.00 (1.35- 13.10)	
10	SANDLE	3	f 551	9551	437	5322	0.70 (0.62- 0.79)	
11	HUMBLE	1	f -	-	-	-	1.59 (0.99- 2.57)	
12	DOBSON	1	f 43	99	117	433	1.61 (1.06- 2.43)	
14	LAVECC	3	f 17	20	11	17	1.31 (0.48- 3.56)	
15	LAYARD	9	f 455	961	459	969	1.00 (0.85- 1.17)	
16	LEVOIS	7	f -	-	-	-	1.04 (0.99- 1.09)	
18	MUSCAT	2	f 28	27	18	23	1.33 (0.59- 2.99)	
20	STEENL	2	f -	-	-	-	1.10 (0.96- 1.27)	
21	JANGHO	1	f 63	100	137	300	1.38 (0.95- 2.01)	

 Within each study, 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), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 By sex - unadjusted

female			Number Exposed		Non-exposed		RR	95.00%CI
StN	Ref	NRR	SCase	Cont	Case	Cont		
22	KAWACH	11	f	-	-	-	-	1.53 (0.81- 2.90)
23	CIRUZZ	6	f	29	25	151	193	1.48 (0.83- 2.64)
24	MCELDU	1	f	31	147	54	479	1.87 (1.16- 3.02)
26	HE1	1	f	76	95	39	113	2.32 (1.44- 3.72)
27	IRIBAR	19	f	-	-	-	-	1.20 (1.09- 1.30)
28	ROSEN1	15	f	21	24	59	144	2.14 (1.10- 4.13)
34	MCGHEE	6	f	113	150	112	195	1.31 (0.94- 1.84)
35	QURESH	2	f	140	1823	79	1209	1.18 (0.90- 1.53)
37	STRANG	17	f	11	104	78	690	0.94 (0.48- 1.82)
39	WEN	18	f	-	-	-	-	1.19 (0.84- 1.67)
41	HILL1	3	f	-	-	-	-	0.98 (0.83- 1.15)
42	HILL2	3	f	-	-	-	-	1.26 (0.98- 1.63)
43	HE2	1	f	200	277	231	501	1.57 (1.23- 1.99)
44	SULO	3	f	-	-	-	-	1.05 (0.48- 2.30)
46	DING	1	f	95	65	219	254	1.70 (1.18- 2.44)
52	HE3	3	f	18	340	4	131	1.73 (0.60- 5.03)
53	CLARK	1	f	44	30877	181	94122	0.74 (0.53- 1.03)
54	TROMSO	15	f	-	-	-	-	1.35 (1.00- 1.81)
56	HALS2	3	f	-	-	-	-	1.13 (0.56- 2.29)
Partial Totals				2372	117143	2588	170335	

*prospective study

	combined	male	female	Total
Relative risks				
N	12	24	35	71
NS	12	24	35	71
Wt	1117.81	1725.27	3558.27	6401.35
Het Chi	152.18	31.23	127.28	313.56
Het df	11	23	34	70
Het P	***	N.S.	***	***
Fixed RR	1.13	1.06	1.07	1.08
RR1	1.07	1.01	1.04	1.05
RRu	1.20	1.12	1.11	1.11
P	+++	+	+++	+++
Random RR	1.31	1.09	1.22	1.19
RR1	0.97	1.02	1.11	1.11
RRu	1.77	1.17	1.34	1.28
P	(+)	+	+++	+++
Asymm P	N.S.	(*)	**	*
Between Chi		2.51	2.32	2.88
Between df		1	1	2
Between P		N.S.	N.S.	N.S.

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 By continent - adjusted

NAmerica

StN	Ref	NRR	SCase	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI			
2	GARLAN	4	f	-	-	-	2.25	(0.32- 15.74)			
4	MARTIN	1	f	-	-	-	2.60	(1.20- 5.70)			
5	SVENDS	2	m	-	-	-	1.61	(0.96- 2.71)			
6	BUTLER	4	f	-	-	-	1.40	(0.51- 3.84)			
10	SANDLE	2	m	-	-	-	1.31	(1.05- 1.64)			
10	SANDLE	4	f	-	-	-	1.19	(1.04- 1.36)			
Subtotal 10							1.22	(1.09- 1.37)			
11	HUMBLE	1	f	-	-	-	1.59	(0.99- 2.57)			
15	LAYARD	2	m	-	-	-	0.97	(0.73- 1.28)			
15	LAYARD	10	f	-	-	-	0.99	(0.84- 1.16)			
Subtotal 15							0.98	(0.86- 1.13)			
16	LEVOIS	2	m	-	-	-	0.98	(0.91- 1.06)			
16	LEVOIS	7	f	-	-	-	1.04	(0.99- 1.09)			
Subtotal 16							1.02	(0.98- 1.07)			
18	MUSCAT	1	m	20	25	48	1.38	(0.70- 2.75)			
18	MUSCAT	2	f	28	27	18	1.33	(0.59- 2.99)			
Subtotal 18							1.36	(0.80- 2.30)			
20	STEENL	1	m	-	-	-	1.22	(1.07- 1.40)			
20	STEENL	2	f	-	-	-	1.10	(0.96- 1.27)			
Subtotal 20							1.16	(1.05- 1.28)			
22	KAWACH	11	f	-	-	-	1.53	(0.81- 2.90)			
27	IRIBAR	4	m	-	-	-	1.13	(1.00- 1.27)			
27	IRIBAR	19	f	-	-	-	1.20	(1.09- 1.30)			
Subtotal 27							1.17	(1.09- 1.26)			
35	QURESH	1	f	-	-	-	1.05	(0.81- 1.38)			
37	STRANG	25	m	18	58	177	0.71	(0.40- 1.23)			
37	STRANG	17	f	11	104	78	0.94	(0.48- 1.82)			
Subtotal 37							0.79	(0.52- 1.22)			
45	VOZORI	2	c	-	-	-	1.00	(0.80- 1.20)			
Partial Totals							77	214	321	1199	

*prospective study

Europe

StN	Ref	NRR	SCase	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
3	LEE	2	m	-	-	-	1.24	(0.58- 2.67)
3	LEE	4	f	-	-	-	0.93	(0.53- 1.64)
Subtotal 3							1.03	(0.65- 1.62)
8	HOLE	3	m	-	-	-	1.73	(1.01- 2.96)
8	HOLE	2	f	-	-	-	1.65	(0.79- 3.46)
Subtotal 8							1.70	(1.10- 2.63)
13	GARDIN	2	c	-	-	-	0.57	(0.19- 1.74)
14	LAVECC	6	m	-	-	-	1.09	(0.39- 3.01)
14	LAVECC	4	f	-	-	-	1.36	(0.46- 4.05)
Subtotal 14							1.21	(0.57- 2.55)
19	TUNSTA	2	c	-	-	-	1.34	(1.07- 1.67)
28	ROSENL	4	m	-	-	-	0.98	(0.57- 1.69)
28	ROSENL	16	f	-	-	-	2.59	(1.27- 5.29)
Subtotal 28							1.40	(0.91- 2.16)
29	PITSAV	9	c	-	-	-	1.33	(0.89- 1.99)
31	CHEN	10	c	-	-	-	1.20	(0.70- 2.20)
44	SULO	2	m	-	-	-	1.68	(0.81- 3.47)
44	SULO	4	f	-	-	-	1.19	(0.25- 5.64)
Subtotal 44							1.58	(0.82- 3.05)
47	GALLO	17	c	-	-	-	1.99	(0.92- 4.29)
49	JEFFER	2	c	-	-	-	2.41	(1.04- 5.59)
50	PEINEM	1	c	33	379	95	1.27	(0.84- 1.92)
54	TROMSO	2	m	-	-	-	0.91	(0.61- 1.35)
54	TROMSO	16	f	-	-	-	1.42	(1.06- 1.90)
Subtotal 54							1.21	(0.96- 1.54)
55	KASTOR	2	c	-	-	-	4.33	(1.52- 12.38)
56	HALS2	2	m	-	-	-	1.26	(0.37- 4.31)
56	HALS2	4	f	-	-	-	1.12	(0.55- 2.28)
Subtotal 56							1.15	(0.62- 2.13)

 Within each study, 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), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 By continent - adjusted

Europe

StN Ref	NRR	Number SCase	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
Partial Totals		33	379	95	1387		

*prospective study

Asia

StN Ref	NRR	Number SCase	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
1 HIRAYA	6	f	-	-	-	1.16 (0.94-	1.43)
21 JANGHO	1	f	63	100	137	1.38 (0.95-	2.01)
26 HE1	2	f	-	-	-	1.60 (0.94-	2.90)
32 NISHTA	3	c	-	-	-	2.38 (1.04-	5.42)
34 MCGHEE	1	m	-	-	-	1.30 (0.88-	1.93)
34 MCGHEE	2	f	-	-	-	1.39 (0.95-	2.04)
Subtotal 34						1.35 (1.02-	1.77)
39 WEN	18	f	-	-	-	1.19 (0.84-	1.67)
43 HE2	8	f	-	-	-	1.69 (1.31-	2.18)
46 DING	2	f	-	-	-	1.52 (1.01-	2.27)
51 CHEN2	1	c	133	675	272	1.16 (0.93-	1.45)
52 HE3	2	m	-	-	-	2.24 (0.76-	6.59)
52 HE3	4	f	-	-	-	2.10 (0.69-	6.33)
Subtotal 52						2.17 (1.00-	4.70)
53 CLARK	4	m	-	-	-	1.98 (1.00-	3.93)
53 CLARK	3	f	-	-	-	0.94 (0.67-	1.32)
Subtotal 53						1.09 (0.80-	1.48)
Partial Totals		196	775	409	1901		

*prospective study

Other

StN Ref	NRR	Number SCase	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
9 JACKSO	4	m	-	-	-	1.06 (0.39-	2.91)
9 JACKSO	2	f	-	-	-	3.74 (1.15-	12.19)
Subtotal 9						1.80 (0.84-	3.87)
12 DOBSON	4	m	-	-	-	0.97 (0.50-	1.86)
12 DOBSON	2	f	-	-	-	2.46 (1.47-	4.13)
Subtotal 12						1.72 (1.15-	2.59)
23 CIRUZZ	7	m	-	-	-	1.18 (0.55-	2.52)
23 CIRUZZ	8	f	-	-	-	1.73 (0.89-	3.36)
Subtotal 23						1.47 (0.89-	2.42)
24 MCELDU	4	m	-	-	-	0.82 (0.55-	1.22)
24 MCELDU	2	f	-	-	-	2.15 (1.18-	3.92)
Subtotal 24						1.10 (0.79-	1.53)
38 TEO	1	c	-	-	-	1.37 (1.27-	1.48)
41 HILL1	2	m	-	-	-	1.04 (0.88-	1.23)
41 HILL1	4	f	-	-	-	0.98 (0.83-	1.17)
Subtotal 41						1.01 (0.90-	1.14)
42 HILL2	2	m	-	-	-	1.18 (0.96-	1.44)
42 HILL2	4	f	-	-	-	1.27 (0.98-	1.66)
Subtotal 42						1.21 (1.03-	1.42)
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), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 By continent - adjusted

		NAmerica	Europe	Asia	Other	Total
Relative risks						
	N	22	22	14	13	71
	NS	15	15	11	7	48
	Wt	4213.61	309.07	422.08	1152.45	6097.21
	Het Chi	39.80	22.14	16.45	37.12	154.81
	Het df	21	21	13	12	70
	Het P	**	N.S.	N.S.	***	***
	Fixed RR	1.08	1.33	1.31	1.26	1.14
	RRl	1.05	1.19	1.19	1.19	1.11
	RRu	1.11	1.49	1.44	1.33	1.17
	P	+++	+++	+++	+++	+++
	Random RR	1.11	1.33	1.33	1.24	1.21
	RRl	1.05	1.18	1.19	1.07	1.15
	RRu	1.18	1.50	1.49	1.44	1.28
	P	+++	+++	+++	++	+++
	Asymm P	*	N.S.	*	N.S.	***
	Between Chi		12.65	14.39	21.19	39.29
	Between df		1	1	1	3
	Between P		+++	+++	+++	***

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 By continent - unadjusted

NAmerica

StN	Ref	NRR	SCase	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
2	GARLAN	2	f	2	97	2	203	2.09 (0.30- 14.64)
4	MARTIN	1	f	-	-	-	-	2.60 (1.20- 5.70)
5	SVENDS	1	m	21	286	48	959	1.47 (0.89- 2.41)
6	BUTLER	3	f	4	2487	60	43053	1.15 (0.42- 3.17)
10	SANDLE	1	m	122	1248	248	2914	1.15 (0.93- 1.41)
10	SANDLE	3	f	551	9551	437	5322	0.70 (0.62- 0.79)
Subtotal 10								
11	HUMBLE	1	f	-	-	-	-	0.80 (0.72- 0.88)
15	LAYARD	1	m	97	215	378	783	1.59 (0.99- 2.57)
15	LAYARD	9	f	455	961	459	969	0.93 (0.71- 1.22)
Subtotal 15								
16	LEVOIS	2	m	-	-	-	-	1.00 (0.85- 1.17)
16	LEVOIS	7	f	-	-	-	-	0.98 (0.86- 1.13)
Subtotal 16								
18	MUSCAT	1	m	20	25	48	83	1.04 (0.99- 1.09)
18	MUSCAT	2	f	28	27	18	23	1.02 (0.98- 1.07)
Subtotal 18								
20	STEENL	1	m	-	-	-	-	1.38 (0.70- 2.75)
20	STEENL	2	f	-	-	-	-	1.33 (0.59- 2.99)
Subtotal 20								
22	KAWACH	11	f	-	-	-	-	1.36 (0.80- 2.30)
27	IRIBAR	4	m	-	-	-	-	1.22 (1.07- 1.40)
27	IRIBAR	19	f	-	-	-	-	1.10 (0.96- 1.27)
Subtotal 27								
35	QURESH	2	f	140	1823	79	1209	1.16 (1.05- 1.28)
37	STRANG	25	m	18	58	177	403	1.53 (0.81- 2.90)
37	STRANG	17	f	11	104	78	690	1.13 (1.00- 1.27)
Subtotal 37								
45	VOZORI	1	c	293	11991	1480	34776	1.20 (1.09- 1.30)
Partial Totals								
				1762	28873	3512	91387	1.17 (1.09- 1.26)

*prospective study

Europe

StN	Ref	NRR	SCase	Exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
3	LEE	1	m	15	40	26	93	1.34 (0.64- 2.80)
3	LEE	3	f	55	229	22	89	0.97 (0.56- 1.69)
Subtotal 3								
8	HOLE	3	m	-	-	-	-	1.09 (0.70- 1.70)
8	HOLE	2	f	-	-	-	-	1.73 (1.01- 2.96)
Subtotal 8								
13	GARDIN	1	c	4	14	8	10	1.65 (0.79- 3.46)
14	LAVECC	5	m	7	17	55	140	1.70 (1.10- 2.63)
14	LAVECC	3	f	17	20	11	17	0.36 (0.08- 1.52)
Subtotal 14								
19	TUNSTA	1	c	329	1216	99	483	1.05 (0.41- 2.67)
28	ROENL	3	m	27	51	141	285	1.31 (0.48- 3.56)
28	ROENL	15	f	21	24	59	144	1.16 (0.59- 2.30)
Subtotal 28								
29	PITSAV	9	c	-	-	-	-	1.32 (1.03- 1.69)
31	CHEN	10	c	-	-	-	-	1.07 (0.64- 1.78)
44	SULO	1	m	-	-	-	-	2.14 (1.10- 4.13)
44	SULO	3	f	-	-	-	-	1.38 (0.93- 2.07)
Subtotal 44								
47	GALLO	17	c	-	-	-	-	1.33 (0.89- 1.99)
49	JEFFER	1	c	-	-	-	-	1.20 (0.70- 2.20)
50	PEINEM	1	c	33	379	95	1387	1.76 (0.98- 3.18)
54	TROMSO	1	m	-	-	-	-	1.05 (0.48- 2.30)
54	TROMSO	15	f	-	-	-	-	1.46 (0.91- 2.34)
Subtotal 54								
55	KASTOR	1	c	32	37	20	62	1.99 (0.92- 4.29)
56	HALS2	1	m	-	-	-	-	2.17 (0.97- 4.84)
56	HALS2	3	f	-	-	-	-	1.27 (0.84- 1.92)
Subtotal 56								
				-	-	-	-	0.95 (0.66- 1.37)
				-	-	-	-	1.35 (1.00- 1.81)
				-	-	-	-	1.17 (0.93- 1.48)
				-	-	-	-	2.68 (1.34- 5.35)
				-	-	-	-	1.35 (0.46- 3.94)
				-	-	-	-	1.13 (0.56- 2.29)
				-	-	-	-	1.19 (0.66- 2.15)

 Within each study, 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), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 By continent - unadjusted

Europe		Number Exposed		Non-exposed		RR	95.00%CI
StN Ref	NRR	SCase	Cont	Case	Cont		
Partial Totals		540	2027	536	2710		
*prospective study							
Asia		Number Exposed		Non-exposed		RR	95.00%CI
StN Ref	NRR	SCase	Cont	Case	Cont		
1	HIRAYA 3	f 376	69645	118	21895	1.00 (0.82-	1.23)
21	JANGHO 1	f 63	100	137	300	1.38 (0.95-	2.01)
26	HE1 1	f 76	95	39	113	2.32 (1.44-	3.72)
32	NISHTA 3	c -	-	-	-	2.38 (1.04-	5.42)
34	MCGHEE 5	m 74	71	285	347	1.27 (0.88-	1.82)
34	MCGHEE 6	f 113	150	112	195	1.31 (0.94-	1.84)
Subtotal 34						1.29 (1.01-	1.65)
39	WEN 18	f -	-	-	-	1.19 (0.84-	1.67)
43	HE2 1	f 200	277	231	501	1.57 (1.23-	1.99)
46	DING 1	f 95	65	219	254	1.70 (1.18-	2.44)
51	CHEN2 1	c 133	675	272	1601	1.16 (0.93-	1.45)
52	HE3 1	m 14	271	5	168	1.74 (0.64-	4.73)
52	HE3 3	f 18	340	4	131	1.73 (0.60-	5.03)
Subtotal 52						1.73 (0.84-	3.60)
53	CLARK 2	m 10	2115	76	34308	2.13 (1.11-	4.12)
53	CLARK 1	f 44	30877	181	94122	0.74 (0.53-	1.03)
Subtotal 53						0.92 (0.68-	1.23)
Partial Totals		1216	104681	1679	153935		
*prospective study							
Other		Number Exposed		Non-exposed		RR	95.00%CI
StN Ref	NRR	SCase	Cont	Case	Cont		
9	JACKSO 3	m -	-	-	-	1.10 (0.40-	3.00)
9	JACKSO 1	f -	-	-	-	4.00 (1.35-	13.10)
Subtotal 9						1.94 (0.91-	4.13)
12	DOBSON 3	m 22	34	161	259	1.04 (0.59-	1.84)
12	DOBSON 1	f 43	99	117	433	1.61 (1.06-	2.43)
Subtotal 12						1.39 (0.99-	1.93)
23	CIRUZZ 5	m 15	22	141	206	1.00 (0.50-	1.99)
23	CIRUZZ 6	f 29	25	151	193	1.48 (0.83-	2.64)
Subtotal 23						1.26 (0.81-	1.96)
24	MCELDU 3	m 53	172	145	373	0.79 (0.55-	1.14)
24	MCELDU 1	f 31	147	54	479	1.87 (1.16-	3.02)
Subtotal 24						1.08 (0.81-	1.45)
38	TEO 1	c -	-	-	-	1.37 (1.27-	1.48)
41	HILL1 1	m -	-	-	-	1.00 (0.85-	1.18)
41	HILL1 3	f -	-	-	-	0.98 (0.83-	1.15)
Subtotal 41						0.99 (0.88-	1.11)
42	HILL2 1	m -	-	-	-	1.07 (0.86-	1.32)
42	HILL2 3	f -	-	-	-	1.26 (0.98-	1.63)
Subtotal 42						1.15 (0.97-	1.35)
Partial Totals		193	499	769	1943		
*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), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 By continent - unadjusted

		NAmerica	Europe	Asia	Other	Total
Relative risks						
	N	22	22	14	13	71
	NS	15	15	11	7	48
	Wt	4433.36	315.66	459.03	1193.30	6401.35
	Het Chi	159.11	19.88	33.23	38.34	313.56
	Het df	21	21	13	12	70
	Het P	***	N.S.	**	***	***
Fixed	RR	1.01	1.32	1.26	1.23	1.08
	RRl	0.98	1.19	1.15	1.16	1.05
	RRu	1.04	1.48	1.38	1.30	1.11
	P	N.S.	+++	+++	+++	+++
Random	RR	1.05	1.32	1.34	1.18	1.19
	RRl	0.94	1.19	1.14	1.03	1.11
	RRu	1.17	1.48	1.58	1.37	1.28
	P	N.S.	+++	+++	+	+++
Asymm	P	N.S.	N.S.	(*)	N.S.	*
Between	Chi		21.17	20.22	35.73	62.99
Between	df		1	1	1	3
Between	P		+++	+++	+++	***

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 By publication year (grouped) - adjusted

1984-89

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
1	HIRAYA	6	f	-	-	-	1.16 (0.94- 1.43)	
2	GARLAN	4	f	-	-	-	2.25 (0.32- 15.74)	
3	LEE	2	m	-	-	-	1.24 (0.58- 2.67)	
3	LEE	4	f	-	-	-	0.93 (0.53- 1.64)	
Subtotal 3							1.03 (0.65- 1.62)	
4	MARTIN	1	f	-	-	-	2.60 (1.20- 5.70)	
5	SVENDS	2	m	-	-	-	1.61 (0.96- 2.71)	
6	BUTLER	4	f	-	-	-	1.40 (0.51- 3.84)	
8	HOLE	3	m	-	-	-	1.73 (1.01- 2.96)	
8	HOLE	2	f	-	-	-	1.65 (0.79- 3.46)	
Subtotal 8							1.70 (1.10- 2.63)	
9	JACKSO	4	m	-	-	-	1.06 (0.39- 2.91)	
9	JACKSO	2	f	-	-	-	3.74 (1.15- 12.19)	
Subtotal 9							1.80 (0.84- 3.87)	
10	SANDLE	2	m	-	-	-	1.31 (1.05- 1.64)	
10	SANDLE	4	f	-	-	-	1.19 (1.04- 1.36)	
Subtotal 10							1.22 (1.09- 1.37)	
Partial Totals			0	0	0	0		

*prospective study

1990-97

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
11	HUMBLE	1	f	-	-	-	1.59 (0.99- 2.57)	
12	DOBSON	4	m	-	-	-	0.97 (0.50- 1.86)	
12	DOBSON	2	f	-	-	-	2.46 (1.47- 4.13)	
Subtotal 12							1.72 (1.15- 2.59)	
13	GARDIN	2	c	-	-	-	0.57 (0.19- 1.74)	
14	LAVECC	6	m	-	-	-	1.09 (0.39- 3.01)	
14	LAVECC	4	f	-	-	-	1.36 (0.46- 4.05)	
Subtotal 14							1.21 (0.57- 2.55)	
15	LAYARD	2	m	-	-	-	0.97 (0.73- 1.28)	
15	LAYARD	10	f	-	-	-	0.99 (0.84- 1.16)	
Subtotal 15							0.98 (0.86- 1.13)	
16	LEVOIS	2	m	-	-	-	0.98 (0.91- 1.06)	
16	LEVOIS	7	f	-	-	-	1.04 (0.99- 1.09)	
Subtotal 16							1.02 (0.98- 1.07)	
18	MUSCAT	1	m	20	25	48	83	1.38 (0.70- 2.75)
18	MUSCAT	2	f	28	27	18	23	1.33 (0.59- 2.99)
Subtotal 18								1.36 (0.80- 2.30)
19	TUNSTA	2	c	-	-	-	-	1.34 (1.07- 1.67)
20	STEENL	1	m	-	-	-	-	1.22 (1.07- 1.40)
20	STEENL	2	f	-	-	-	-	1.10 (0.96- 1.27)
Subtotal 20								1.16 (1.05- 1.28)
21	JANGHO	1	f	63	100	137	300	1.38 (0.95- 2.01)
22	KAWACH	11	f	-	-	-	-	1.53 (0.81- 2.90)
Partial Totals			111	152	203	406		

*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), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 By publication year (grouped) - adjusted

1998-04

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
23	CIRUZZ	7	m	-	-	-	-	1.18 (0.55- 2.52)
23	CIRUZZ	8	f	-	-	-	-	1.73 (0.89- 3.36)
Subtotal 23								1.47 (0.89- 2.42)
24	MCELDU	4	m	-	-	-	-	0.82 (0.55- 1.22)
24	MCELDU	2	f	-	-	-	-	2.15 (1.18- 3.92)
Subtotal 24								1.10 (0.79- 1.53)
26	HE1	2	f	-	-	-	-	1.60 (0.94- 2.90)
27	IRIBAR	4	m	-	-	-	-	1.13 (1.00- 1.27)
27	IRIBAR	19	f	-	-	-	-	1.20 (1.09- 1.30)
Subtotal 27								1.17 (1.09- 1.26)
28	ROSENL	4	m	-	-	-	-	0.98 (0.57- 1.69)
28	ROSENL	16	f	-	-	-	-	2.59 (1.27- 5.29)
Subtotal 28								1.40 (0.91- 2.16)
29	PITSAV	9	c	-	-	-	-	1.33 (0.89- 1.99)
31	CHEN	10	c	-	-	-	-	1.20 (0.70- 2.20)
32	NISHTA	3	c	-	-	-	-	2.38 (1.04- 5.42)
Partial Totals			0	0	0	0		

*prospective study

2005-07

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
34	MCGHEE	1	m	-	-	-	-	1.30 (0.88- 1.93)
34	MCGHEE	2	f	-	-	-	-	1.39 (0.95- 2.04)
Subtotal 34								1.35 (1.02- 1.77)
35	QURESH	1	f	-	-	-	-	1.05 (0.81- 1.38)
37	STRANG	25	m	18	58	177	403	0.71 (0.40- 1.23)
37	STRANG	17	f	11	104	78	690	0.94 (0.48- 1.82)
Subtotal 37								0.79 (0.52- 1.22)
38	TEO	1	c	-	-	-	-	1.37 (1.27- 1.48)
39	WEN	18	f	-	-	-	-	1.19 (0.84- 1.67)
41	HILL1	2	m	-	-	-	-	1.04 (0.88- 1.23)
41	HILL1	4	f	-	-	-	-	0.98 (0.83- 1.17)
Subtotal 41								1.01 (0.90- 1.14)
42	HILL2	2	m	-	-	-	-	1.18 (0.96- 1.44)
42	HILL2	4	f	-	-	-	-	1.27 (0.98- 1.66)
Subtotal 42								1.21 (1.03- 1.42)
Partial Totals			29	162	255	1093		

*prospective study

2008 onwards

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
43	HE2	8	f	-	-	-	-	1.69 (1.31- 2.18)
44	SULO	2	m	-	-	-	-	1.68 (0.81- 3.47)
44	SULO	4	f	-	-	-	-	1.19 (0.25- 5.64)
Subtotal 44								1.58 (0.82- 3.05)
45	VOZORI	2	c	-	-	-	-	1.00 (0.80- 1.20)
46	DING	2	f	-	-	-	-	1.52 (1.01- 2.27)
47	GALLO	17	c	-	-	-	-	1.99 (0.92- 4.29)
49	JEFFER	2	c	-	-	-	-	2.41 (1.04- 5.59)
50	PEINEM	1	c	33	379	95	1387	1.27 (0.84- 1.92)
51	CHEN2	1	c	133	675	272	1601	1.16 (0.93- 1.45)
52	HE3	2	m	-	-	-	-	2.24 (0.76- 6.59)
52	HE3	4	f	-	-	-	-	2.10 (0.69- 6.33)
Subtotal 52								2.17 (1.00- 4.70)
53	CLARK	4	m	-	-	-	-	1.98 (1.00- 3.93)
53	CLARK	3	f	-	-	-	-	0.94 (0.67- 1.32)
Subtotal 53								1.09 (0.80- 1.48)
54	TROMSO	2	m	-	-	-	-	0.91 (0.61- 1.35)
54	TROMSO	16	f	-	-	-	-	1.42 (1.06- 1.90)
Subtotal 54								1.21 (0.96- 1.54)
55	KASTOR	2	c	-	-	-	-	4.33 (1.52- 12.38)
56	HALS2	2	m	-	-	-	-	1.26 (0.37- 4.31)

 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), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 By publication year (grouped) - adjusted

2008 onwards			Number Exposed		Non-exposed		RR	95.00%CI	
StN	Ref	NRR	SCase	Cont	Case	Cont			
56	HALS2	4	f	-	-	-	-	1.12	(0.55- 2.28)
Subtotal 56								1.15	(0.62- 2.13)
Partial Totals			166	1054	367	2988			
*prospective study									
			1984-89	1990-97	1998-04	2005-07	2008 onwa	Total	
Relative risks									
			N	13	17	12	11	18	71
			NS	9	11	8	7	13	48
			Wt	449.00	3103.09	887.93	1231.33	425.85	6097.21
			Het Chi	12.29	32.93	18.16	24.74	30.79	154.81
			Het df	12	16	11	10	17	70
			Het P	N.S.	**	(*)	**	*	***
			Fixed RR	1.25	1.06	1.20	1.23	1.26	1.14
			RRl	1.14	1.02	1.12	1.16	1.15	1.11
			RRu	1.37	1.09	1.28	1.30	1.39	1.17
			P	+++	++	+++	+++	+++	+++
			Random RR	1.26	1.12	1.25	1.15	1.34	1.21
			RRl	1.14	1.04	1.10	1.03	1.16	1.15
			RRu	1.39	1.22	1.42	1.29	1.56	1.28
			P	+++	++	+++	+	+++	+++
			Asymm P	*	*	N.S.	(*)	*	***
			Between Chi		11.41	0.64	0.09	0.01	35.90
			Between df		1	1	1	1	4
			Between P		---	N.S.	N.S.	N.S.	***

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 By publication year (grouped) - unadjusted

		Number Exposed		Non-exposed		RR	95.00%CI
StN	Ref NRR	SCase	Cont	Case	Cont		
1	HIRAYA 3	f	376	69645	118	21895	1.00 (0.82- 1.23)
2	GARLAN 2	f	2	97	2	203	2.09 (0.30- 14.64)
3	LEE 1	m	15	40	26	93	1.34 (0.64- 2.80)
3	LEE 3	f	55	229	22	89	0.97 (0.56- 1.69)
Subtotal 3							1.09 (0.70- 1.70)
4	MARTIN 1	f	-	-	-	-	2.60 (1.20- 5.70)
5	SVENDS 1	m	21	286	48	959	1.47 (0.89- 2.41)
6	BUTLER 3	f	4	2487	60	43053	1.15 (0.42- 3.17)
8	HOLE 3	m	-	-	-	-	1.73 (1.01- 2.96)
8	HOLE 2	f	-	-	-	-	1.65 (0.79- 3.46)
Subtotal 8							1.70 (1.10- 2.63)
9	JACKSO 3	m	-	-	-	-	1.10 (0.40- 3.00)
9	JACKSO 1	f	-	-	-	-	4.00 (1.35- 13.10)
Subtotal 9							1.94 (0.91- 4.13)
10	SANDLE 1	m	122	1248	248	2914	1.15 (0.93- 1.41)
10	SANDLE 3	f	551	9551	437	5322	0.70 (0.62- 0.79)
Subtotal 10							0.80 (0.72- 0.88)
Partial Totals			1146	83583	961	74528	

*prospective study

		Number Exposed		Non-exposed		RR	95.00%CI
StN	Ref NRR	SCase	Cont	Case	Cont		
11	HUMBLE 1	f	-	-	-	-	1.59 (0.99- 2.57)
12	DOBSON 3	m	22	34	161	259	1.04 (0.59- 1.84)
12	DOBSON 1	f	43	99	117	433	1.61 (1.06- 2.43)
Subtotal 12							1.39 (0.99- 1.93)
13	GARDIN 1	c	4	14	8	10	0.36 (0.08- 1.52)
14	LAVECC 5	m	7	17	55	140	1.05 (0.41- 2.67)
14	LAVECC 3	f	17	20	11	17	1.31 (0.48- 3.56)
Subtotal 14							1.16 (0.59- 2.30)
15	LAYARD 1	m	97	215	378	783	0.93 (0.71- 1.22)
15	LAYARD 9	f	455	961	459	969	1.00 (0.85- 1.17)
Subtotal 15							0.98 (0.86- 1.13)
16	LEVOIS 2	m	-	-	-	-	0.98 (0.91- 1.06)
16	LEVOIS 7	f	-	-	-	-	1.04 (0.99- 1.09)
Subtotal 16							1.02 (0.98- 1.07)
18	MUSCAT 1	m	20	25	48	83	1.38 (0.70- 2.75)
18	MUSCAT 2	f	28	27	18	23	1.33 (0.59- 2.99)
Subtotal 18							1.36 (0.80- 2.30)
19	TUNSTA 1	c	329	1216	99	483	1.32 (1.03- 1.69)
20	STEENL 1	m	-	-	-	-	1.22 (1.07- 1.40)
20	STEENL 2	f	-	-	-	-	1.10 (0.96- 1.27)
Subtotal 20							1.16 (1.05- 1.28)
21	JANGHO 1	f	63	100	137	300	1.38 (0.95- 2.01)
22	KAWACH 11	f	-	-	-	-	1.53 (0.81- 2.90)
Partial Totals			1085	2728	1491	3500	

*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), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 By publication year (grouped) - unadjusted

1998-04

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
23	CIRUZZ	5	m 15	22	141	206	1.00	(0.50- 1.99)
23	CIRUZZ	6	f 29	25	151	193	1.48	(0.83- 2.64)
Subtotal 23							1.26	(0.81- 1.96)
24	MCELDU	3	m 53	172	145	373	0.79	(0.55- 1.14)
24	MCELDU	1	f 31	147	54	479	1.87	(1.16- 3.02)
Subtotal 24							1.08	(0.81- 1.45)
26	HE1	1	f 76	95	39	113	2.32	(1.44- 3.72)
27	IRIBAR	4	m -	-	-	-	1.13	(1.00- 1.27)
27	IRIBAR	19	f -	-	-	-	1.20	(1.09- 1.30)
Subtotal 27							1.17	(1.09- 1.26)
28	ROSENL	3	m 27	51	141	285	1.07	(0.64- 1.78)
28	ROSENL	15	f 21	24	59	144	2.14	(1.10- 4.13)
Subtotal 28							1.38	(0.93- 2.07)
29	PITSAV	9	c -	-	-	-	1.33	(0.89- 1.99)
31	CHEN	10	c -	-	-	-	1.20	(0.70- 2.20)
32	NISHTA	3	c -	-	-	-	2.38	(1.04- 5.42)
Partial Totals			252	536	730	1793		

*prospective study

2005-07

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
34	MCGHEE	5	m 74	71	285	347	1.27	(0.88- 1.82)
34	MCGHEE	6	f 113	150	112	195	1.31	(0.94- 1.84)
Subtotal 34							1.29	(1.01- 1.65)
35	QURESH	2	f 140	1823	79	1209	1.18	(0.90- 1.53)
37	STRANG	25	m 18	58	177	403	0.71	(0.40- 1.23)
37	STRANG	17	f 11	104	78	690	0.94	(0.48- 1.82)
Subtotal 37							0.79	(0.52- 1.22)
38	TEO	1	c -	-	-	-	1.37	(1.27- 1.48)
39	WEN	18	f -	-	-	-	1.19	(0.84- 1.67)
41	HILL1	1	m -	-	-	-	1.00	(0.85- 1.18)
41	HILL1	3	f -	-	-	-	0.98	(0.83- 1.15)
Subtotal 41							0.99	(0.88- 1.11)
42	HILL2	1	m -	-	-	-	1.07	(0.86- 1.32)
42	HILL2	3	f -	-	-	-	1.26	(0.98- 1.63)
Subtotal 42							1.15	(0.97- 1.35)
Partial Totals			356	2206	731	2844		

*prospective study

2008 onwards

StN	Ref	NRR	Number Exposed		Non-exposed		RR	95.00%CI
			SCase	Cont	Case	Cont		
43	HE2	1	f 200	277	231	501	1.57	(1.23- 1.99)
44	SULO	1	m -	-	-	-	1.76	(0.98- 3.18)
44	SULO	3	f -	-	-	-	1.05	(0.48- 2.30)
Subtotal 44							1.46	(0.91- 2.34)
45	VOZORI	1	c 293	11991	1480	34776	0.57	(0.51- 0.65)
46	DING	1	f 95	65	219	254	1.70	(1.18- 2.44)
47	GALLO	17	c -	-	-	-	1.99	(0.92- 4.29)
49	JEFFER	1	c -	-	-	-	2.17	(0.97- 4.84)
50	PEINEM	1	c 33	379	95	1387	1.27	(0.84- 1.92)
51	CHEN2	1	c 133	675	272	1601	1.16	(0.93- 1.45)
52	HE3	1	m 14	271	5	168	1.74	(0.64- 4.73)
52	HE3	3	f 18	340	4	131	1.73	(0.60- 5.03)
Subtotal 52							1.73	(0.84- 3.60)
53	CLARK	2	m 10	2115	76	34308	2.13	(1.11- 4.12)
53	CLARK	1	f 44	30877	181	94122	0.74	(0.53- 1.03)
Subtotal 53							0.92	(0.68- 1.23)
54	TROMSO	1	m -	-	-	-	0.95	(0.66- 1.37)
54	TROMSO	15	f -	-	-	-	1.35	(1.00- 1.81)
Subtotal 54							1.17	(0.93- 1.48)
55	KASTOR	1	c 32	37	20	62	2.68	(1.34- 5.35)
56	HALS2	1	m -	-	-	-	1.35	(0.46- 3.94)

 Within each study, 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), in last 10 years (t)
- 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), 28-JAN-15
 Excluding Enstrom
 By publication year (grouped) - unadjusted

2008 onwards			Number Exposed		Non-exposed		RR	95.00%CI	
StN	Ref	NRR	SCase	Cont	Case	Cont			
56	HALS2	3	f	-	-	-	-	1.13	(0.56- 2.29)
Subtotal 56							1.19	(0.66- 2.15)	
Partial Totals			872	47027	2583	167310			
*prospective study									
			1984-89	1990-97	1998-04	2005-07	2008 onwa	Total	
Relative risks									
			N	13	17	12	11	18	71
			NS	9	11	8	7	13	48
			Wt	516.50	3110.86	911.55	1257.67	604.76	6401.35
			Het Chi	50.51	26.48	23.57	27.52	128.92	313.56
			Het df	12	16	11	10	17	70
			Het P	***	*	*	**	***	***
			Fixed RR	0.91	1.05	1.20	1.22	0.95	1.08
			RRl	0.83	1.02	1.13	1.15	0.87	1.05
			RRu	0.99	1.09	1.28	1.29	1.03	1.11
			P	-	++	+++	+++	N.S.	+++
			Random RR	1.26	1.10	1.28	1.14	1.34	1.19
			RRl	0.98	1.03	1.11	1.01	1.03	1.11
			RRu	1.61	1.18	1.48	1.28	1.74	1.28
			P	(+)	++	+++	+	+	+++
			Asymm P	**	(*)	N.S.	(*)	**	*
			Between Chi		9.72	25.78	31.62	0.48	56.56
			Between df		1	1	1	1	4
			Between P		++	+++	+++	N.S.	***

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

- 1) EXP Exposure = spouse (s), household (h), total (t)
- 2) TIM Time of exposure = current (c), ever (e), during marriage (m), in the past (p), in last 10 years (t)
- 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)

Within each study, 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), in last 10 years (t)
- 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)