<u>Detailed meta-analysis on ETS and Stroke</u>
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The output provides full details of a variety of meta-analyses of ETS and Stroke.

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 RRs adjusted for age only are used (see below).

Tables 1-13 give information for <u>spouse ETS exposure current (or nearest equivalent)</u>
1. Overall   - adjusted
2.   "   - age-adjusted
3. By sex   - adjusted
4.   "   - age-adjusted
5. By source of exposure (spouse, total, household)   - adjusted
      (where total includes exposure in home/at work, and cotinine)
6. By continent   - adjusted
7. By publication year (grouped)   - adjusted
8. By number of stroke cases (grouped)   - adjusted
9. By study type (case-control, prospective, cross-sectional) - adjusted
10. By total number of confounders considered in the study (grouped) - adjusted
11. By stroke type 1 (fatal, non-fatal, both)   - adjusted
12. By stroke type 2 (stroke or CVD, subarachnoid haemorrhage, other) - adjusted
13. By study weaknesses   - adjusted

Tables 14-19 correspond to Tables 1-6 for <u>spouse ETS exposure ever (or nearest equivalent)</u>, and similarly
Tables 20-25 give information on <u>total ETS exposure (or nearest equivalent)</u>.

Some tables are then repeated but excluding studies of silent cerebral infarction, with Tables 26-27 for
<u>spouse ETS exposure current (or nearest equivalent)</u> (corresponding to Tables 1-2), Tables 28-29 for <u>spouse ETS
exposure ever (or nearest equivalent)</u> (corresponding to Tables 14-15) and Tables 30-31 for <u>total ETS exposure (or
nearest equivalent)</u> (corresponding to Tables 20-21).

For studies with results available by level of ETS dose, Tables 32-35 give information for the highest available
dose, and Tables 36-39 for the lowest available dose, with Tables 32-33 (high dose) and Tables 36-37 (low dose) for
<u>spouse ETS exposure current (or nearest equivalent)</u> corresponding to Tables 1-2. Tables for spouse exposure ever are
not presented as varying the preference on time of exposure made no difference to the RRs selected. Tables 34-35 and
Tables 38-39 for <u>total ETS exposure (or nearest equivalent)</u> correspond to Table 20-21.

The term "<u>relative risk</u>" (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.

"<u>Adjusted</u>" implies that covariate adjusted estimates are chosen if available with estimates adjusted only for age
used otherwise. Where the source publication provides more than one adjusted estimate, the data chosen are those
adjusted for most covariates. "<u>Age-adjusted</u>" implies that estimates adjusted only for age (or for age and the
the least other covariates) are used if available with adjusted estimates used otherwise.

In all tables, estimates for males and females separately are chosen if available in preference to a combined
estimate. The other variables used in selecting the estimates, and their values for each estimate chosen, are
shown in the output and explained in fuller detail in the footnotes to that table. For each estimate, the table
may also show:
  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 6, etc. Note that these factors relate to the study as a whole, with the exception of sex,
spouse the index, and stroke type, which relate to the individual estimates.

For Tables 1, 2, 14, 15, 20, 21 and 26-39, which are not subdivided by factor, a second block of output gives
further
details regarding each estimate:
  Ys   = log RR
  Ws   = the weight of the study = 1/(variance Ys)
  Q   = the deviation of the study estimate from the mean = $W_s (Y_s - \bar{Y})$ where $\bar{Y}$ is the mean of Ys
               (this is an approximate chisquared on 1 degree of freedom)
  P   = the two-tailed probability value.

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

Table 1
ETS and Stroke - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 27-JUN-05
Overall - adjusted

Overall

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Case	Numbers exposed Cont	Non-exposed Case	Cont	RR	95.00%CI
*1	GILLIS	1	m	h	x	f	2	1	-	-	-	-	0.33 (	0.04- 2.84)
*1	GILLIS	2	f	h	x	f	2	1	-	-	-	-	1.88 (	0.22- 16.02)
Subtotal 1													0.78 (	0.17- 3.55)
2	LEE	2	m	s	m	n	2	2	-	-	-	-	0.84 (	0.31- 2.27)
2	LEE	4	f	s	m	n	2	2	-	-	-	-	0.92 (	0.51- 1.65)
Subtotal 2													0.90 (	0.54- 1.49)
4	DONNAN	1	c	s	e	b	2	3	-	-	-	-	1.60 (	0.60- 3.90)
*5	SANDLE	2	m	h	e	f	2	4	-	-	-	-	0.97 (	0.65- 1.46)
*5	SANDLE	4	f	h	e	f	2	4	-	-	-	-	1.24 (	1.03- 1.49)
Subtotal 5													1.19 (	1.00- 1.41)
6	HOWARD	2	c	t	c	n	2	10	-	-	-	-	1.06 (	0.64- 1.75)
7	BONITA	4	m	2	t	b	2	4	-	-	-	-	2.10 (	1.33- 3.32)
7	BONITA	5	f	2	t	b	2	4	-	-	-	-	1.66 (	1.07- 2.57)
Subtotal 7													1.86 (	1.35- 2.55)
8	YOU	8	c	s	e	n	2	5	-	-	-	-	1.70 (	0.98- 2.92)
9	IRIBA1	1	m	h	c	n	2	11	-	-	-	-	0.25 (	0.04- 0.82)
9	IRIBA1	9	f	h	c	n	2	11	-	-	-	-	1.23 (	0.75- 1.96)
Subtotal 9													1.06 (	0.67- 1.68)
*10	YAMADA	2	m	t	e	f	2	1	-	-	-	-	1.13 (	0.19- 6.85)
*10	YAMADA	1	f	t	e	f	2	1	-	-	-	-	0.94 (	0.57- 1.55)
Subtotal 10													0.95 (	0.59- 1.54)
11	ANDERS	7	m	h	e	b	2	8	-	-	-	-	0.50 (	0.20- 1.30)
11	ANDERS	6	f	h	e	b	2	8	-	-	-	-	1.30 (	0.70- 2.30)
Subtotal 11													0.99 (	0.60- 1.63)
*12	IRIBA2	27	m	h	c	b	2	10	-	-	-	-	1.02 (	0.71- 1.48)
*12	IRIBA2	39	f	h	c	b	2	10	-	-	-	-	1.17 (	0.92- 1.50)
Subtotal 12													1.12 (	0.92- 1.37)
*13	WHINCU	8	m	c	c	b	4	16	-	-	-	-	1.54 (	0.68- 3.47)
14	MCGHEE	1	m	h	p	f	2	2	-	-	-	-	1.31 (	0.87- 1.99)
14	MCGHEE	2	f	h	p	f	2	2	-	-	-	-	1.57 (	1.11- 2.24)
Subtotal 14													1.46 (	1.11- 1.90)
*15	ZHANG	22	f	s	c	n	2	14	-	-	-	-	1.44 (	1.20- 1.72)
Partial Totals									0	0	0	0		

*prospective study

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Ys	Ws	Qs	Ps
*1	GILLIS	1	m	h	x	f	2	1	-1.11	0.85	1.54	0.3080
*1	GILLIS	2	f	h	x	f	2	1	0.63	0.84	0.13	0.5639
Subtotal 1									-0.96	1.68	1.67	
2	LEE	2	m	s	m	n	2	2	-0.17	3.88	0.67	0.7314
2	LEE	4	f	s	m	n	2	2	-0.08	11.15	1.18	0.7807
Subtotal 2									-0.74	15.02	1.85	
4	DONNAN	1	c	s	e	b	2	3	0.47	4.39	0.23	0.3250
*5	SANDLE	2	m	h	e	f	2	4	-0.03	23.47	1.74	0.8827
*5	SANDLE	4	f	h	e	f	2	4	0.22	112.72	0.08	0.0224
Subtotal 5									-0.30	136.18	1.82	
6	HOWARD	2	c	t	c	n	2	10	0.06	15.19	0.51	0.8204
7	BONITA	4	m	2	t	b	2	4	0.74	18.36	4.59	0.0015
7	BONITA	5	f	2	t	b	2	4	0.51	20.01	1.41	0.0234
Subtotal 7									0.77	38.37	6.00	
8	YOU	8	c	s	e	n	2	5	0.53	12.89	1.08	0.0568
9	IRIBA1	1	m	h	c	n	2	11	-1.39	1.68	4.46	0.0720
9	IRIBA1	9	f	h	c	n	2	11	0.21	16.65	0.02	0.3983
Subtotal 9									-1.66	18.34	4.48	
*10	YAMADA	2	m	t	e	f	2	1	0.12	1.20	0.02	0.8937
*10	YAMADA	1	f	t	e	f	2	1	-0.06	15.35	1.42	0.8084
Subtotal 10									-0.42	16.55	1.43	
11	ANDERS	7	m	h	e	b	2	8	-0.69	4.39	3.83	0.1466
11	ANDERS	6	f	h	e	b	2	8	0.26	10.86	0.00	0.3873
Subtotal 11									-0.91	15.24	3.84	
*12	IRIBA2	27	m	h	c	b	2	10	0.02	28.48	1.40	0.9158
*12	IRIBA2	39	f	h	c	b	2	10	0.16	64.30	0.46	0.2080
Subtotal 12									-0.31	92.78	1.87	

Within each study, results are included (in the following order of preference) for:
1) EXP Exposure = spouse (s), household (h), total (t), home/work (2), cotinine (c)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, during marriage (m), ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

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                                        Table 1
          ETS and Stroke - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 27-JUN-05
                                   Overall - adjusted


Overall

 StN      Ref     NRR      SEX EXP TIM TYP UNX ADJ          Ys      Ws      Qs       Ps
*13      WHINCU 8         m   c   c   b   4   16          0.43    5.78    0.21    0.2990
 14      MCGHEE 1         m   h   p   f   2   2           0.27   22.45    0.02    0.2008
 14      MCGHEE 2         f   h   p   f   2   2           0.45   31.17    1.36    0.0118
 Subtotal 14                                             0.24   53.62    1.38
*15      ZHANG  22        f   s   c   n   2   14          0.36  118.56    1.79    0.0001

Relative risks


                          N      23
                         NS      14


                         Wt  544.59
                    Het Chi   28.16
                    Het  df      22
                    Het  P     N.S.
                  Fixed  RR    1.27
                         RRl   1.17
                         RRu   1.39
                          P    +++
                 Random  RR    1.26
                         RRl   1.13
                         RRu   1.40
                          P    +++
                  Asymm  P     N.S.
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Within each study, results are included (in the following order of preference) for:
1) EXP Exposure = spouse (s), household (h), total (t), home/work (2), cotinine (c)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, during marriage (m), ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)
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Table 2
ETS and Stroke - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 27-JUN-05
Overall - age-adjusted

Overall

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                                            Numbers
                                            Numbers exposed Non-exposed
  StN       Ref    NRR     SEX EXP TIM TYP UNX ADJ  Case   Cont   Case   Cont      RR       95.00%CI
 *1        GILLIS 1       m   h   x   f   2   1    -      -      -      -       0.33 (  0.04-   2.84)
 *1        GILLIS 2       f   h   x   f   2   1    -      -      -      -       1.88 (  0.22-  16.02)
  Subtotal 1                                                                   0.78 (  0.17-   3.55)
  2        LEE    2       m   s   m   n   2   2    -      -      -      -       0.84 (  0.31-   2.27)
  2        LEE    4       f   s   m   n   2   2    -      -      -      -       0.92 (  0.51-   1.65)
  Subtotal 2                                                                   0.90 (  0.54-   1.49)
  4        DONNAN 1       c   s   e   b   2   3    -      -      -      -       1.60 (  0.60-   3.90)
 *5        SANDLE 2       m   h   e   f   2   4    -      -      -      -       0.97 (  0.65-   1.46)
 *5        SANDLE 4       f   h   e   f   2   4    -      -      -      -       1.24 (  1.03-   1.49)
  Subtotal 5                                                                   1.19 (  1.00-   1.41)
  6        HOWARD 1       c   t   c   n   2   2    -      -      -      -       1.03 (  0.63-   1.67)
  7        BONITA 1       m   2   t   b   2   1    -      -      -      -       2.06 (  1.34-   3.17)
  7        BONITA 2       f   2   t   b   2   1    -      -      -      -       1.50 (  1.01-   2.21)
  Subtotal 7                                                                   1.73 (  1.30-   2.31)
  8        YOU    8       c   s   e   n   2   5    -      -      -      -       1.70 (  0.98-   2.92)
  9        IRIBA1 1       m   h   c   n   2   11   -      -      -      -       0.25 (  0.04-   0.82)
  9        IRIBA1 9       f   h   c   n   2   11   -      -      -      -       1.23 (  0.75-   1.96)
  Subtotal 9                                                                   1.06 (  0.67-   1.68)
 *10       YAMADA 2       m   t   e   f   2   1    -      -      -      -       1.13 (  0.19-   6.85)
 *10       YAMADA 1       f   t   e   f   2   1    -      -      -      -       0.94 (  0.57-   1.55)
  Subtotal 10                                                                  0.95 (  0.59-   1.54)
  11       ANDERS 7       m   h   e   b   2   8    -      -      -      -       0.50 (  0.20-   1.30)
  11       ANDERS 6       f   h   e   b   2   8    -      -      -      -       1.30 (  0.70-   2.30)
  Subtotal 11                                                                  0.99 (  0.60-   1.63)
 *12       IRIBA2 3       m   h   c   b   2   1    -      -      -      -       1.12 (  0.78-   1.60)
 *12       IRIBA2 15      f   h   c   b   2   1    -      -      -      -       1.23 (  0.97-   1.57)
  Subtotal 12                                                                  1.19 (  0.98-   1.46)
 *13       WHINCU 4       m   c   c   b   4   2    -      -      -      -       0.96 (  0.49-   1.89)
  14       MCGHEE 1       m   h   p   f   2   2    -      -      -      -       1.31 (  0.87-   1.99)
  14       MCGHEE 2       f   h   p   f   2   2    -      -      -      -       1.57 (  1.11-   2.24)
  Subtotal 14                                                                  1.46 (  1.11-   1.90)
 *15       ZHANG  33      f   s   c   n   2   1    -      -      -      -       1.46 (  1.23-   1.72)
 Partial Totals                                    0      0      0      0
 *prospective study

  StN       Ref    NRR     SEX EXP TIM TYP UNX ADJ         Ys      Ws      Qs      Ps

 *1        GILLIS 1       m   h   x   f   2   1          -1.11    0.85    1.56    0.3080
 *1        GILLIS 2       f   h   x   f   2   1           0.63    0.84    0.12    0.5639
  Subtotal 1                                             -0.98    1.68    1.68
  2        LEE    2       m   s   m   n   2   2          -0.17    3.88    0.70    0.7314
  2        LEE    4       f   s   m   n   2   2          -0.08   11.15    1.25    0.7807
  Subtotal 2                                             -0.76   15.02    1.95
  4        DONNAN 1       c   s   e   b   2   3           0.47    4.39    0.21    0.3250
 *5        SANDLE 2       m   h   e   f   2   4          -0.03   23.47    1.86    0.8827
 *5        SANDLE 4       f   h   e   f   2   4           0.22  112.72    0.14    0.0224
  Subtotal 5                                             -0.32  136.18    2.00
  6        HOWARD 1       c   t   c   n   2   2           0.03   16.17    0.79    0.9054
  7        BONITA 1       m   2   t   b   2   1           0.72   20.72    4.61    0.0010
  7        BONITA 2       f   2   t   b   2   1           0.41   25.06    0.60    0.0424
  Subtotal 7                                              0.63   45.78    5.21
  8        YOU    8       c   s   e   n   2   5           0.53   12.89    1.01    0.0568
  9        IRIBA1 1       m   h   c   n   2   11         -1.39    1.68    4.51    0.0720
  9        IRIBA1 9       f   h   c   n   2   11          0.21   16.65    0.03    0.3983
  Subtotal 9                                             -1.68   18.34    4.55
 *10       YAMADA 2       m   t   e   f   2   1           0.12    1.20    0.02    0.8937
 *10       YAMADA 1       f   t   e   f   2   1          -0.06   15.35    1.50    0.8084
  Subtotal 10                                            -0.44   16.55    1.52
  11       ANDERS 7       m   h   e   b   2   8          -0.69    4.39    3.91    0.1466
  11       ANDERS 6       f   h   e   b   2   8           0.26   10.86    0.00    0.3873
  Subtotal 11                                            -0.93   15.24    3.91
 *12       IRIBA2 3       m   h   c   b   2   1           0.11   29.77    0.56    0.5364
 *12       IRIBA2 15      f   h   c   b   2   1           0.21   66.27    0.13    0.0920
  Subtotal 12                                            -0.18   96.04    0.69
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Within each study, results are included (in the following order of preference) for:
1) EXP Exposure = spouse (s), household (h), total (t), home/work (2), cotinine (c)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, during marriage (m), ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

```
                                      Table 2
            ETS and Stroke - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 27-JUN-05
                                  Overall - age-adjusted


Overall

 StN      Ref    NRR      SEX EXP TIM TYP UNX ADJ          Ys       Ws       Qs       Ps
*13      WHINCU 4        m   c   c   b   4   2       -0.04     8.43     0.72     0.9056
 14      MCGHEE 1        m   h   p   f   2   2        0.27    22.45     0.01     0.2008
 14      MCGHEE 2        f   h   p   f   2   2        0.45    31.17     1.25     0.0118
 Subtotal 14                                          0.22    53.62     1.26
*15      ZHANG  33       f   s   c   n   2   1        0.38   136.67     2.22     0.0000

Relative risks


                         N       23
                        NS       14


                        Wt   577.00
                   Het Chi    27.72
                   Het  df       22
                   Het  P     N.S.
                 Fixed  RR     1.29
                        RRl    1.18
                        RRu    1.39
                         P     +++
                 Random RR     1.26
                        RRl    1.13
                        RRu    1.40
                         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), home/work (2), cotinine (c)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, during marriage (m), ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

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                                          Table 3
                 ETS and Stroke - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 27-JUN-05
                                        By sex - adjusted


combined
                                                   Numbers
                                                   Numbers exposed Non-exposed
      StN       Ref     NRR      SEX EXP TIM TYP UNX ADJ   Case    Cont    Case    Cont      RR        95.00%CI
       4       DONNAN 1          c   s   e   b   2   3      -       -       -       -      1.60 ( 0.60-  3.90)
       6       HOWARD 2          c   t   c   n   2  10      -       -       -       -      1.06 ( 0.64-  1.75)
       8       YOU    8          c   s   e   n   2   5      -       -       -       -      1.70 ( 0.98-  2.92)
      Partial Totals                                        0       0       0       0
      *prospective study


male
                                                   Numbers
                                                   Numbers exposed Non-exposed
      StN       Ref     NRR      SEX EXP TIM TYP UNX ADJ   Case    Cont    Case    Cont      RR        95.00%CI

      *1       GILLIS 1          m   h   x   f   2   1      -       -       -       -      0.33 ( 0.04-  2.84)
       2       LEE    2          m   s   m   n   2   2      -       -       -       -      0.84 ( 0.31-  2.27)
      *5       SANDLE 2          m   h   e   f   2   4      -       -       -       -      0.97 ( 0.65-  1.46)
       7       BONITA 4          m   2   t   b   2   4      -       -       -       -      2.10 ( 1.33-  3.32)
       9       IRIBA1 1          m   h   c   n   2  11      -       -       -       -      0.25 ( 0.04-  0.82)
      *10      YAMADA 2          m   t   e   f   2   1      -       -       -       -      1.13 ( 0.19-  6.85)
      11       ANDERS 7          m   h   e   b   2   8      -       -       -       -      0.50 ( 0.20-  1.30)
      *12      IRIBA2 27         m   h   c   b   2  10      -       -       -       -      1.02 ( 0.71-  1.48)
      *13      WHINCU 8          m   c   c   b   4  16      -       -       -       -      1.54 ( 0.68-  3.47)
      14       MCGHEE 1          m   h   p   f   2   2      -       -       -       -      1.31 ( 0.87-  1.99)
      Partial Totals                                        0       0       0       0
      *prospective study


female
                                                   Numbers
                                                   Numbers exposed Non-exposed
      StN       Ref     NRR      SEX EXP TIM TYP UNX ADJ   Case    Cont    Case    Cont      RR        95.00%CI

      *1       GILLIS 2          f   h   x   f   2   1      -       -       -       -      1.88 ( 0.22- 16.02)
       2       LEE    4          f   s   m   n   2   2      -       -       -       -      0.92 ( 0.51-  1.65)
      *5       SANDLE 4          f   h   e   f   2   4      -       -       -       -      1.24 ( 1.03-  1.49)
       7       BONITA 5          f   2   t   b   2   4      -       -       -       -      1.66 ( 1.07-  2.57)
       9       IRIBA1 9          f   h   c   n   2  11      -       -       -       -      1.23 ( 0.75-  1.96)
      *10      YAMADA 1          f   t   e   f   2   1      -       -       -       -      0.94 ( 0.57-  1.55)
      11       ANDERS 6          f   h   e   b   2   8      -       -       -       -      1.30 ( 0.70-  2.30)
      *12      IRIBA2 39         f   h   c   b   2  10      -       -       -       -      1.17 ( 0.92-  1.50)
      14       MCGHEE 2          f   h   p   f   2   2      -       -       -       -      1.57 ( 1.11-  2.24)
      *15      ZHANG  22         f   s   c   n   2  14      -       -       -       -      1.44 ( 1.20-  1.72)
      Partial Totals                                        0       0       0       0
      *prospective study

                                      combined       male      female       Total
      Relative risks


                                  N       3           10          10          23
                                  NS      3           10          10          23


                             Wt     32.46        110.52      401.61      544.59
                       Het Chi       1.70         17.29        7.62       28.16
                       Het  df          2             9           9          22
                       Het  P       N.S.             *        N.S.        N.S.
                       Fixed RR      1.35          1.15        1.30        1.27
                             RRl     0.96          0.95        1.18        1.17
                             RRu     1.91          1.38        1.44        1.39
                             P        (+)         N.S.         +++         +++
                       Random RR     1.35          1.08        1.30        1.26
                             RRl     0.96          0.80        1.18        1.13
                             RRu     1.91          1.46        1.44        1.40
                             P        (+)         N.S.         +++         +++
                       Asymm P      N.S.          N.S.        N.S.        N.S.
                       Between Chi   0.68          0.04        1.55
------------------------------------------------------------------------------------
Within each study, results are included (in the following order of preference) for:
1) EXP Exposure = spouse (s), household (h), total (t), home/work (2), cotinine (c)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, during marriage (m), ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)
```

```
                                        Table 3
         ETS and Stroke - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 27-JUN-05
                                     By sex - adjusted

                        combined        male      female       Total


Relative risks
                 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), home/work (2), cotinine (c)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, during marriage (m), ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

```
                                              Table 4
                ETS and Stroke - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 27-JUN-05
                                          By sex - age-adjusted


combined
                                                          Numbers
                                                          Numbers exposed Non-exposed
  StN      Ref    NRR      SEX EXP TIM TYP UNX ADJ        Case    Cont    Case    Cont      RR       95.00%CI
  4        DONNAN 1         c   s   e   b   2   3          -       -       -       -       1.60 (  0.60-   3.90)
  6        HOWARD 1         c   t   c   n   2   2          -       -       -       -       1.03 (  0.63-   1.67)
  8        YOU    8         c   s   e   n   2   5          -       -       -       -       1.70 (  0.98-   2.92)
Partial Totals                                            0       0       0       0
*prospective study


male
                                                          Numbers
                                                          Numbers exposed Non-exposed
  StN      Ref    NRR      SEX EXP TIM TYP UNX ADJ        Case    Cont    Case    Cont      RR       95.00%CI

 *1        GILLIS 1         m   h   x   f   2   1          -       -       -       -       0.33 (  0.04-   2.84)
  2        LEE    2         m   s   m   n   2   2          -       -       -       -       0.84 (  0.31-   2.27)
 *5        SANDLE 2         m   h   e   f   2   4          -       -       -       -       0.97 (  0.65-   1.46)
  7        BONITA 1         m   2   t   b   2   1          -       -       -       -       2.06 (  1.34-   3.17)
  9        IRIBA1 1         m   h   c   n   2  11          -       -       -       -       0.25 (  0.04-   0.82)
 *10       YAMADA 2         m   t   e   f   2   1          -       -       -       -       1.13 (  0.19-   6.85)
 11        ANDERS 7         m   h   e   b   2   8          -       -       -       -       0.50 (  0.20-   1.30)
 *12       IRIBA2 3         m   h   c   b   2   1          -       -       -       -       1.12 (  0.78-   1.60)
 *13       WHINCU 4         m   c   c   b   4   2          -       -       -       -       0.96 (  0.49-   1.89)
 14        MCGHEE 1         m   h   p   f   2   2          -       -       -       -       1.31 (  0.87-   1.99)
Partial Totals                                            0       0       0       0
*prospective study


female
                                                          Numbers
                                                          Numbers exposed Non-exposed
  StN      Ref    NRR      SEX EXP TIM TYP UNX ADJ        Case    Cont    Case    Cont      RR       95.00%CI

 *1        GILLIS 2         f   h   x   f   2   1          -       -       -       -       1.88 (  0.22-  16.02)
  2        LEE    4         f   s   m   n   2   2          -       -       -       -       0.92 (  0.51-   1.65)
 *5        SANDLE 4         f   h   e   f   2   4          -       -       -       -       1.24 (  1.03-   1.49)
  7        BONITA 2         f   2   t   b   2   1          -       -       -       -       1.50 (  1.01-   2.21)
  9        IRIBA1 9         f   h   c   n   2  11          -       -       -       -       1.23 (  0.75-   1.96)
 *10       YAMADA 1         f   t   e   f   2   1          -       -       -       -       0.94 (  0.57-   1.55)
 11        ANDERS 6         f   h   e   b   2   8          -       -       -       -       1.30 (  0.70-   2.30)
 *12       IRIBA2 15        f   h   c   b   2   1          -       -       -       -       1.23 (  0.97-   1.57)
 14        MCGHEE 2         f   h   p   f   2   2          -       -       -       -       1.57 (  1.11-   2.24)
 *15       ZHANG  33        f   s   c   n   2   1          -       -       -       -       1.46 (  1.23-   1.72)
Partial Totals                                            0       0       0       0
*prospective study

                              combined       male      female        Total
Relative risks


                            N       3          10          10          23
                            NS      3          10          10          23


                    Wt    33.45      116.82      426.73      577.00
                Het Chi    1.98       17.06        6.92       27.72
                Het  df       2           9           9          22
                Het   P    N.S.           *        N.S.        N.S.
                Fixed RR    1.32        1.15        1.32        1.29
                      RRl   0.94        0.96        1.20        1.18
                      RRu   1.86        1.38        1.45        1.39
                        P   N.S.        N.S.         +++         +++
                Random  RR  1.32        1.06        1.32        1.26
                        RRl 0.94        0.79        1.20        1.13
                        RRu 1.86        1.41        1.45        1.40
                          P N.S.        N.S.         +++         +++
                Asymm  P    N.S.         (*)        N.S.           *
                Between Chi             0.50        0.00        1.76
--------------------------------------------------------------------------------
Within each study, results are included (in the following order of preference) for:
1) EXP Exposure = spouse (s), household (h), total (t), home/work (2), cotinine (c)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, during marriage (m), ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)
```

```
                                    Table 4
        ETS and Stroke - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 27-JUN-05
                                By sex - age-adjusted

                       combined        male       female       Total


Relative risks
             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), home/work (2), cotinine (c)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, during marriage (m), ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

```
                                               Table 5
                    ETS and Stroke - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 27-JUN-05
                                        By source of exposure - adjusted


spouse
                                                           Numbers
                                                           Numbers exposed Non-exposed
      StN      Ref      NRR      SEX EXP TIM TYP UNX ADJ   Case   Cont   Case   Cont     RR        95.00%CI
      2        LEE      2        m   s   m   n   2   2     -      -      -      -       0.84 ( 0.31-   2.27)
      2        LEE      4        f   s   m   n   2   2     -      -      -      -       0.92 ( 0.51-   1.65)
      Subtotal 2                                                                       0.90 ( 0.54-   1.49)
      4        DONNAN   1        c   s   e   b   2   3     -      -      -      -       1.60 ( 0.60-   3.90)
      8        YOU      8        c   s   e   n   2   5     -      -      -      -       1.70 ( 0.98-   2.92)
      *15      ZHANG    22       f   s   c   n   2   14    -      -      -      -       1.44 ( 1.20-   1.72)
      Partial Totals                                      0      0      0      0
      *prospective study


total
                                                           Numbers
                                                           Numbers exposed Non-exposed
      StN      Ref      NRR      SEX EXP TIM TYP UNX ADJ   Case   Cont   Case   Cont     RR        95.00%CI

      6        HOWARD   2        c   t   c   n   2   10    -      -      -      -       1.06 ( 0.64-   1.75)
      7        BONITA   4        m   2   t   b   2   4     -      -      -      -       2.10 ( 1.33-   3.32)
      7        BONITA   5        f   2   t   b   2   4     -      -      -      -       1.66 ( 1.07-   2.57)
      Subtotal 7                                                                       1.58 ( 1.21-   2.07)
      *10      YAMADA   2        m   t   e   f   2   1     -      -      -      -       1.13 ( 0.19-   6.85)
      *10      YAMADA   1        f   t   e   f   2   1     -      -      -      -       0.94 ( 0.57-   1.55)
      Subtotal 10                                                                      0.95 ( 0.59-   1.54)
      *13      WHINCU   8        m   c   c   b   4   16    -      -      -      -       1.54 ( 0.68-   3.47)
      Partial Totals                                      0      0      0      0
      *prospective study


househ
                                                           Numbers
                                                           Numbers exposed Non-exposed
      StN      Ref      NRR      SEX EXP TIM TYP UNX ADJ   Case   Cont   Case   Cont     RR        95.00%CI

      *1       GILLIS   1        m   h   x   f   2   1     -      -      -      -       0.33 ( 0.04-   2.84)
      *1       GILLIS   2        f   h   x   f   2   1     -      -      -      -       1.88 ( 0.22-  16.02)
      Subtotal 1                                                                       0.78 ( 0.17-   3.55)
      *5       SANDLE   2        m   h   e   f   2   4     -      -      -      -       0.97 ( 0.65-   1.46)
      *5       SANDLE   4        f   h   e   f   2   4     -      -      -      -       1.24 ( 1.03-   1.49)
      Subtotal 5                                                                       1.19 ( 1.00-   1.41)
      9        IRIBA1   1        m   h   c   n   2   11    -      -      -      -       0.25 ( 0.04-   0.82)
      9        IRIBA1   9        f   h   c   n   2   11    -      -      -      -       1.23 ( 0.75-   1.96)
      Subtotal 9                                                                       1.06 ( 0.67-   1.68)
      11       ANDERS   7        m   h   e   b   2   8     -      -      -      -       0.50 ( 0.20-   1.30)
      11       ANDERS   6        f   h   e   b   2   8     -      -      -      -       1.30 ( 0.70-   2.30)
      Subtotal 11                                                                      0.99 ( 0.60-   1.63)
      *12      IRIBA2   27       m   h   c   b   2   10    -      -      -      -       1.02 ( 0.71-   1.48)
      *12      IRIBA2   39       f   h   c   b   2   10    -      -      -      -       1.17 ( 0.92-   1.50)
      Subtotal 12                                                                      1.12 ( 0.92-   1.37)
      14       MCGHEE   1        m   h   p   f   2   2     -      -      -      -       1.31 ( 0.87-   1.99)
      14       MCGHEE   2        f   h   p   f   2   2     -      -      -      -       1.57 ( 1.11-   2.24)
      Subtotal 14                                                                      1.46 ( 1.11-   1.90)
      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), home/work (2), cotinine (c)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, during marriage (m), ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

```
                                             Table 5
              ETS and Stroke - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 27-JUN-05
                                     By source of exposure - adjusted

                              spouse       total        househ        Total


Relative risks


                      N          5            6            12            23
                     NS          4            4             6            14


                     Wt     150.86        75.90        317.84        544.59
           Het  Chi     3.63         7.31         13.53         28.16
           Het  df         4            5            11            22
           Het  P       N.S.         N.S.         N.S.          N.S.
           Fixed  RR    1.40         1.41         1.19          1.27
                  RRl   1.19         1.13         1.06          1.17
                  RRu   1.64         1.77         1.33          1.39
                  P      +++          ++           ++           +++
           Random  RR   1.40         1.40         1.17          1.26
                   RRl  1.19         1.05         1.02          1.13
                   RRu  1.64         1.86         1.34          1.40
                   P     +++           +            +           +++
           Asymm  P      N.S.         N.S.         (*)          N.S.
           Between Chi               0.01         2.70          3.68
           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), home/work (2), cotinine (c)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, during marriage (m), ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

Table 6
ETS and Stroke - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 27-JUN-05
By continent - adjusted

NAmerica

```
                                                   Numbers
                                                   Numbers exposed Non-exposed
 StN      Ref     NRR     SEX EXP TIM TYP UNX ADJ   Case   Cont   Case   Cont     RR        95.00%CI
*5        SANDLE 2        m   h   e   f   2   4       -      -      -      -     0.97 (  0.65-  1.46)
*5        SANDLE 4        f   h   e   f   2   4       -      -      -      -     1.24 (  1.03-  1.49)
 Subtotal 5                                                                     1.19 (  1.00-  1.41)
 6        HOWARD 2        c   t   c   n   2   10      -      -      -      -     1.06 (  0.64-  1.75)
 9        IRIBA1 1        m   h   c   n   2   11      -      -      -      -     0.25 (  0.04-  0.82)
 9        IRIBA1 9        f   h   c   n   2   11      -      -      -      -     1.23 (  0.75-  1.96)
 Subtotal 9                                                                     1.06 (  0.67-  1.68)
*12       IRIBA2 27       m   h   c   b   2   10      -      -      -      -     1.02 (  0.71-  1.48)
*12       IRIBA2 39       f   h   c   b   2   10      -      -      -      -     1.17 (  0.92-  1.50)
 Subtotal 12                                                                    1.12 (  0.92-  1.37)
Partial Totals                                       0      0      0      0
*prospective study
```

Europe

```
                                                   Numbers
                                                   Numbers exposed Non-exposed
 StN      Ref     NRR     SEX EXP TIM TYP UNX ADJ   Case   Cont   Case   Cont     RR        95.00%CI

*1        GILLIS 1        m   h   x   f   2   1       -      -      -      -     0.33 (  0.04-  2.84)
*1        GILLIS 2        f   h   x   f   2   1       -      -      -      -     1.88 (  0.22- 16.02)
 Subtotal 1                                                                     0.78 (  0.17-  3.55)
 2        LEE    2        m   s   m   n   2   2       -      -      -      -     0.84 (  0.31-  2.27)
 2        LEE    4        f   s   m   n   2   2       -      -      -      -     0.92 (  0.51-  1.65)
 Subtotal 2                                                                     0.90 (  0.54-  1.49)
*13       WHINCU 8        m   c   c   b   4   16      -      -      -      -     1.54 (  0.68-  3.47)
Partial Totals                                       0      0      0      0
*prospective study
```

Asia

```
                                                   Numbers
                                                   Numbers exposed Non-exposed
 StN      Ref     NRR     SEX EXP TIM TYP UNX ADJ   Case   Cont   Case   Cont     RR        95.00%CI

*10       YAMADA 2        m   t   e   f   2   1       -      -      -      -     1.13 (  0.19-  6.85)
*10       YAMADA 1        f   t   e   f   2   1       -      -      -      -     0.94 (  0.57-  1.55)
 Subtotal 10                                                                    0.95 (  0.59-  1.54)
 14       MCGHEE 1        m   h   p   f   2   2       -      -      -      -     1.31 (  0.87-  1.99)
 14       MCGHEE 2        f   h   p   f   2   2       -      -      -      -     1.57 (  1.11-  2.24)
 Subtotal 14                                                                    1.46 (  1.11-  1.90)
*15       ZHANG  22       f   s   c   n   2   14      -      -      -      -     1.44 (  1.20-  1.72)
Partial Totals                                       0      0      0      0
*prospective study
```

Other

```
                                                   Numbers
                                                   Numbers exposed Non-exposed
 StN      Ref     NRR     SEX EXP TIM TYP UNX ADJ   Case   Cont   Case   Cont     RR        95.00%CI

 4        DONNAN 1        c   s   e   b   2   3       -      -      -      -     1.60 (  0.60-  3.90)
 7        BONITA 4        m   2   t   b   2   4       -      -      -      -     2.10 (  1.33-  3.32)
 7        BONITA 5        f   2   t   b   2   4       -      -      -      -     1.66 (  1.07-  2.57)
 Subtotal 7                                                                     1.83 (  1.36-  2.47)
 8        YOU    8        c   s   e   n   2   5       -      -      -      -     1.70 (  0.98-  2.92)
 11       ANDERS 7        m   h   e   b   2   8       -      -      -      -     0.50 (  0.20-  1.30)
 11       ANDERS 6        f   h   e   b   2   8       -      -      -      -     1.30 (  0.70-  2.30)
 Subtotal 11                                                                    0.99 (  0.60-  1.63)
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), home/work (2), cotinine (c)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, during marriage (m), ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

```
                                          Table 6
           ETS and Stroke - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 27-JUN-05
                                    By continent - adjusted

                      NAmerica      Europe        Asia        Other        Total


Relative risks


                 N        7           5           5           6           23
                NS        4           3           3           4           14


                Wt   262.48       22.49      188.73       70.89       544.59
        Het Chi     5.85         2.64        3.09        7.82        28.16
        Het  df        6            4           4           5           22
        Het  P      N.S.         N.S.        N.S.        N.S.        N.S.
        Fixed  RR   1.15         1.02        1.39        1.58        1.27
               RRl  1.02         0.68        1.21        1.25        1.17
               RRu  1.30         1.54        1.61        2.00        1.39
               P       +         N.S.        +++         +++         +++
        Random  RR  1.15         1.02        1.39        1.52        1.26
               RRl  1.02         0.68        1.21        1.12        1.13
               RRu  1.30         1.54        1.61        2.06        1.40
               P       +         N.S.        +++         ++          +++
        Asymm  P       *         N.S.        N.S.        N.S.        N.S.
       Between Chi                0.28        4.11        5.72        8.76
       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), home/work (2), cotinine (c)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, during marriage (m), ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)
```

```
                                                    Table 7
                     ETS and Stroke - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 27-JUN-05
                                          By publication year (grouped) - adjusted


 1984-89
                                                                  Numbers
                                                                  Numbers exposed Non-exposed
  StN       Ref     NRR      SEX EXP TIM TYP UNX ADJ      Case     Cont    Case    Cont       RR        95.00%CI
 *1        GILLIS 1          m   h   x   f   2   1         -        -       -       -        0.33 ( 0.04-  2.84)
 *1        GILLIS 2          f   h   x   f   2   1         -        -       -       -        1.88 ( 0.22- 16.02)
  Subtotal 1                                                                                0.78 ( 0.17-  3.55)
 2         LEE    2          m   s   m   n   2   2         -        -       -       -        0.84 ( 0.31-  2.27)
 2         LEE    4          f   s   m   n   2   2         -        -       -       -        0.92 ( 0.51-  1.65)
  Subtotal 2                                                                                0.90 ( 0.54-  1.49)
 4         DONNAN 1          c   s   e   b   2   3         -        -       -       -        1.60 ( 0.60-  3.90)
 *5        SANDLE 2          m   h   e   f   2   4         -        -       -       -        0.97 ( 0.65-  1.46)
 *5        SANDLE 4          f   h   e   f   2   4         -        -       -       -        1.24 ( 1.03-  1.49)
  Subtotal 5                                                                                1.19 ( 1.00-  1.41)
 Partial Totals                                           0        0       0       0
 *prospective study


 1990-01
                                                                  Numbers
                                                                  Numbers exposed Non-exposed
  StN       Ref     NRR      SEX EXP TIM TYP UNX ADJ      Case     Cont    Case    Cont       RR        95.00%CI

 6         HOWARD 2          c   t   c   n   2   10        -        -       -       -        1.06 ( 0.64-  1.75)
 7         BONITA 4          m   2   t   b   2   4         -        -       -       -        2.10 ( 1.33-  3.32)
 7         BONITA 5          f   2   t   b   2   4         -        -       -       -        1.66 ( 1.07-  2.57)
  Subtotal 7                                                                                1.58 ( 1.21-  2.07)
 8         YOU    8          c   s   e   n   2   5         -        -       -       -        1.70 ( 0.98-  2.92)
 9         IRIBA1 1          m   h   c   n   2   11        -        -       -       -        0.25 ( 0.04-  0.82)
 9         IRIBA1 9          f   h   c   n   2   11        -        -       -       -        1.23 ( 0.75-  1.96)
  Subtotal 9                                                                                1.06 ( 0.67-  1.68)
 Partial Totals                                           0        0       0       0
 *prospective study

 2002+
                                                                  Numbers
                                                                  Numbers exposed Non-exposed
  StN       Ref     NRR      SEX EXP TIM TYP UNX ADJ      Case     Cont    Case    Cont       RR        95.00%CI

 *10       YAMADA 2          m   t   e   f   2   1         -        -       -       -        1.13 ( 0.19-  6.85)
 *10       YAMADA 1          f   t   e   f   2   1         -        -       -       -        0.94 ( 0.57-  1.55)
  Subtotal 10                                                                               0.95 ( 0.59-  1.54)
 11        ANDERS 7          m   h   e   b   2   8         -        -       -       -        0.50 ( 0.20-  1.30)
 11        ANDERS 6          f   h   e   b   2   8         -        -       -       -        1.30 ( 0.70-  2.30)
  Subtotal 11                                                                               0.99 ( 0.60-  1.63)
 *12       IRIBA2 27         m   h   c   b   2   10        -        -       -       -        1.02 ( 0.71-  1.48)
 *12       IRIBA2 39         f   h   c   b   2   10        -        -       -       -        1.17 ( 0.92-  1.50)
  Subtotal 12                                                                               1.12 ( 0.92-  1.37)
 *13       WHINCU 8          m   c   c   b   4   16        -        -       -       -        1.54 ( 0.68-  3.47)
 14        MCGHEE 1          m   h   p   f   2   2         -        -       -       -        1.31 ( 0.87-  1.99)
 14        MCGHEE 2          f   h   p   f   2   2         -        -       -       -        1.57 ( 1.11-  2.24)
  Subtotal 14                                                                               1.46 ( 1.11-  1.90)
 *15       ZHANG  22         f   s   c   n   2   14        -        -       -       -        1.44 ( 1.20-  1.72)
 Partial Totals                                           0        0       0       0
 *prospective study












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 Within each study, results are included (in the following order of preference) for:
 1) EXP Exposure = spouse (s), household (h), total (t), home/work (2), cotinine (c)
 2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, during marriage (m), ever (e), in the past (p)
 3) TYP Disease type = both (b), fatal (f), non-fatal (n)
 4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)
```

```
                                         Table 7
              ETS and Stroke - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 27-JUN-05
                              By publication year (grouped) - adjusted


                      1984-89      1990-01       2002+         Total


Relative risks


              N         7            6            10            23
              NS        4            4             6            14


             Wt      157.27        84.79        302.54        544.59
       Het  Chi       4.24         10.34         10.50         28.16
       Het  df          6             5             9            22
       Het  P        N.S.          (*)          N.S.          N.S.
      Fixed RR        1.16         1.47          1.28          1.27
            RRl       0.99         1.19          1.15          1.17
            RRu       1.36         1.82          1.44          1.39
            P         (+)          +++           +++           +++
     Random RR        1.16         1.41          1.26          1.26
            RRl       0.99         1.02          1.10          1.13
            RRu       1.36         1.94          1.44          1.40
            P         (+)           +            +++           +++
      Asymm P        N.S.          (*)          N.S.          N.S.
    Between Chi                    3.03          1.03          3.07
    Between df                       1             1             2
    Between P                      (+)          N.S.          N.S.













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Within each study, results are included (in the following order of preference) for:
1) EXP Exposure = spouse (s), household (h), total (t), home/work (2), cotinine (c)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, during marriage (m), ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)
```

```
                                          Table 8
          ETS and Stroke - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 27-JUN-05
                            By number of stroke cases (grouped) - adjusted


1-199
                                                          Numbers
                                                          Numbers exposed Non-exposed
   StN      Ref    NRR      SEX EXP TIM TYP UNX ADJ       Case    Cont   Case    Cont      RR       95.00%CI
  *1       GILLIS 1        m   h   x   f   2   1          -       -      -       -        0.33 (  0.04-   2.84)
  *1       GILLIS 2        f   h   x   f   2   1          -       -      -       -        1.88 (  0.22-  16.02)
   Subtotal 1                                                                            0.78 (  0.17-   3.55)
   2       LEE    2        m   s   m   n   2   2          -       -      -       -        0.84 (  0.31-   2.27)
   2       LEE    4        f   s   m   n   2   2          -       -      -       -        0.92 (  0.51-   1.65)
   Subtotal 2                                                                            0.90 (  0.54-   1.49)
   4       DONNAN 1        c   s   e   b   2   3          -       -      -       -        1.60 (  0.60-   3.90)
   6       HOWARD 2        c   t   c   n   2   10         -       -      -       -        1.06 (  0.64-   1.75)
   8       YOU    8        c   s   e   n   2   5          -       -      -       -        1.70 (  0.98-   2.92)
   9       IRIBA1 1        m   h   c   n   2   11         -       -      -       -        0.25 (  0.04-   0.82)
   9       IRIBA1 9        f   h   c   n   2   11         -       -      -       -        1.23 (  0.75-   1.96)
   Subtotal 9                                                                            1.06 (  0.67-   1.68)
  *10      YAMADA 2        m   t   e   f   2   1          -       -      -       -        1.13 (  0.19-   6.85)
  *10      YAMADA 1        f   t   e   f   2   1          -       -      -       -        0.94 (  0.57-   1.55)
   Subtotal 10                                                                           0.95 (  0.59-   1.54)
   11      ANDERS 7        m   h   e   b   2   8          -       -      -       -        0.50 (  0.20-   1.30)
   11      ANDERS 6        f   h   e   b   2   8          -       -      -       -        1.30 (  0.70-   2.30)
   Subtotal 11                                                                           0.99 (  0.60-   1.63)
  *13      WHINCU 8        m   c   c   b   4   16         -       -      -       -        1.54 (  0.68-   3.47)
Partial Totals                                           0       0      0       0
*prospective study


200+
                                                          Numbers
                                                          Numbers exposed Non-exposed
   StN      Ref    NRR      SEX EXP TIM TYP UNX ADJ       Case    Cont   Case    Cont      RR       95.00%CI

  *5       SANDLE 2        m   h   e   f   2   4          -       -      -       -        0.97 (  0.65-   1.46)
  *5       SANDLE 4        f   h   e   f   2   4          -       -      -       -        1.24 (  1.03-   1.49)
   Subtotal 5                                                                            1.19 (  1.00-   1.41)
   7       BONITA 4        m   2   t   b   2   4          -       -      -       -        2.10 (  1.33-   3.32)
   7       BONITA 5        f   2   t   b   2   4          -       -      -       -        1.66 (  1.07-   2.57)
   Subtotal 7                                                                            1.86 (  1.35-   2.55)
  *12      IRIBA2 27       m   h   c   b   2   10         -       -      -       -        1.02 (  0.71-   1.48)
  *12      IRIBA2 39       f   h   c   b   2   10         -       -      -       -        1.17 (  0.92-   1.50)
   Subtotal 12                                                                           1.12 (  0.92-   1.37)
   14      MCGHEE 1        m   h   p   f   2   2          -       -      -       -        1.31 (  0.87-   1.99)
   14      MCGHEE 2        f   h   p   f   2   2          -       -      -       -        1.57 (  1.11-   2.24)
   Subtotal 14                                                                           1.46 (  1.11-   1.90)
  *15      ZHANG  22       f   s   c   n   2   14         -       -      -       -        1.44 (  1.20-   1.72)
Partial Totals                                           0       0      0       0
*prospective study

                                      1-199        200+         Total
Relative risks



                               N       14           9            23
                               NS       9           5            14


                               Wt   105.08       439.51       544.59
                          Het Chi   13.15         12.34        28.16
                          Het  df      13            8           22
                          Het  P      N.S.         N.S.         N.S.
                          Fixed RR    1.10         1.32         1.27
                               RRl    0.91         1.20         1.17
                               RRu    1.34         1.45         1.39
                               P      N.S.         +++          +++
                          Random RR   1.10         1.32         1.26
                               RRl    0.91         1.17         1.13
                               RRu    1.34         1.50         1.40
                               P      N.S.         +++          +++
                          Asymm 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), home/work (2), cotinine (c)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, during marriage (m), ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)
```

```
                                        Table 8
        ETS and Stroke - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 27-JUN-05
                          By number of stroke cases (grouped) - adjusted

                        1-199          200+         Total


Relative risks
                Between Chi              2.66          2.66
                Between  df                 1             1
                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), home/work (2), cotinine (c)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, during marriage (m), ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

```
                                             Table 9
                ETS and Stroke - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 27-JUN-05
                                       By study type - adjusted


case-control
                                                       Numbers
                                                       Numbers exposed Non-exposed
     StN     Ref     NRR    SEX EXP TIM TYP UNX ADJ    Case   Cont   Case   Cont    RR       95.00%CI
     2       LEE     2      m   s   m   n   2   2       -      -      -      -       0.84 ( 0.31-   2.27)
     2       LEE     4      f   s   m   n   2   2       -      -      -      -       0.92 ( 0.51-   1.65)
     Subtotal 2                                                                     0.90 ( 0.54-   1.49)
     4       DONNAN  1      c   s   e   b   2   3       -      -      -      -       1.60 ( 0.60-   3.90)
     7       BONITA  4      m   2   t   b   2   4       -      -      -      -       2.10 ( 1.33-   3.32)
     7       BONITA  5      f   2   t   b   2   4       -      -      -      -       1.66 ( 1.07-   2.57)
     Subtotal 7                                                                     1.86 ( 1.35-   2.55)
     8       YOU     8      c   s   e   n   2   5       -      -      -      -       1.70 ( 0.98-   2.92)
     11      ANDERS  7      m   h   e   b   2   8       -      -      -      -       0.50 ( 0.20-   1.30)
     11      ANDERS  6      f   h   e   b   2   8       -      -      -      -       1.30 ( 0.70-   2.30)
     Subtotal 11                                                                    0.99 ( 0.60-   1.63)
     14      MCGHEE  1      m   h   p   f   2   2       -      -      -      -       1.31 ( 0.87-   1.99)
     14      MCGHEE  2      f   h   p   f   2   2       -      -      -      -       1.57 ( 1.11-   2.24)
     Subtotal 14                                                                    1.46 ( 1.11-   1.90)
     Partial Totals                                    0      0      0      0
     *prospective study


prospective
                                                       Numbers
                                                       Numbers exposed Non-exposed
     StN     Ref     NRR    SEX EXP TIM TYP UNX ADJ    Case   Cont   Case   Cont    RR       95.00%CI

     *1      GILLIS  1      m   h   x   f   2   1       -      -      -      -       0.33 ( 0.04-   2.84)
     *1      GILLIS  2      f   h   x   f   2   1       -      -      -      -       1.88 ( 0.22-  16.02)
     Subtotal 1                                                                     0.78 ( 0.17-   3.55)
     *5      SANDLE  2      m   h   e   f   2   4       -      -      -      -       0.97 ( 0.65-   1.46)
     *5      SANDLE  4      f   h   e   f   2   4       -      -      -      -       1.24 ( 1.03-   1.49)
     Subtotal 5                                                                     1.19 ( 1.00-   1.41)
     *10     YAMADA  2      m   t   e   f   2   1       -      -      -      -       1.13 ( 0.19-   6.85)
     *10     YAMADA  1      f   t   e   f   2   1       -      -      -      -       0.94 ( 0.57-   1.55)
     Subtotal 10                                                                    0.95 ( 0.59-   1.54)
     *12     IRIBA2  27     m   h   c   b   2   10      -      -      -      -       1.02 ( 0.71-   1.48)
     *12     IRIBA2  39     f   h   c   b   2   10      -      -      -      -       1.17 ( 0.92-   1.50)
     Subtotal 12                                                                    1.12 ( 0.92-   1.37)
     *13     WHINCU  8      m   c   c   b   4   16      -      -      -      -       1.54 ( 0.68-   3.47)
     Partial Totals                                    0      0      0      0
     *prospective study


cross-sectional
                                                       Numbers
                                                       Numbers exposed Non-exposed
     StN     Ref     NRR    SEX EXP TIM TYP UNX ADJ    Case   Cont   Case   Cont    RR       95.00%CI

     6       HOWARD  2      c   t   c   n   2   10      -      -      -      -       1.06 ( 0.64-   1.75)
     9       IRIBA1  1      m   h   c   n   2   11      -      -      -      -       0.25 ( 0.04-   0.82)
     9       IRIBA1  9      f   h   c   n   2   11      -      -      -      -       1.23 ( 0.75-   1.96)
     Subtotal 9                                                                     1.06 ( 0.76-   1.49)
     *15     ZHANG   22     f   s   c   n   2   14      -      -      -      -       1.44 ( 1.20-   1.72)
     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), home/work (2), cotinine (c)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, during marriage (m), ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

```
                                            Table 9
          ETS and Stroke - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 27-JUN-05
                                       By study type - adjusted

                              case-con      prospect      cross-se        Total


Relative risks


                       N        10             9             4             23
                      NS         6             5             3             14


                      Wt    139.53        252.98        152.08        544.59
              Het  Chi     12.24          4.39          6.32         28.16
              Het  df          9             8             3             22
              Het  P       N.S.          N.S.           (*)          N.S.
            Fixed  RR       1.44          1.15          1.35          1.27
                     RRl      1.22          1.02          1.15          1.17
                     RRu      1.70          1.30          1.58          1.39
                       P      +++            +            +++           +++
           Random  RR       1.41          1.15          1.18          1.26
                     RRl      1.15          1.02          0.84          1.13
                     RRu      1.72          1.30          1.66          1.40
                       P      +++            +           N.S.           +++
            Asymm  P         (*)          N.S.            *            N.S.
          Between  Chi                     4.56          0.34          5.21
          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), home/work (2), cotinine (c)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, during marriage (m), ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

Table 10
ETS and Stroke - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 27-JUN-05
By total number of confounders considered in the study (grouped) - adjusted

0-5

```
                                                Numbers
                                                Numbers  exposed Non-exposed
 StN      Ref     NRR     SEX EXP TIM TYP UNX ADJ  Case    Cont   Case   Cont      RR        95.00%CI
*1       GILLIS 1         m   h   x   f   2   1    -       -      -      -      0.33 (  0.04-   2.84)
*1       GILLIS 2         f   h   x   f   2   1    -       -      -      -      1.88 (  0.22-  16.02)
 Subtotal 1                                                                    0.78 (  0.17-   3.55)
 2       LEE    2         m   s   m   n   2   2    -       -      -      -      0.84 (  0.31-   2.27)
 2       LEE    4         f   s   m   n   2   2    -       -      -      -      0.92 (  0.51-   1.65)
 Subtotal 2                                                                    0.90 (  0.54-   1.49)
 4       DONNAN 1         c   s   e   b   2   3    -       -      -      -      1.60 (  0.60-   3.90)
*5       SANDLE 2         m   h   e   f   2   4    -       -      -      -      0.97 (  0.65-   1.46)
*5       SANDLE 4         f   h   e   f   2   4    -       -      -      -      1.24 (  1.03-   1.49)
 Subtotal 5                                                                    1.19 (  1.00-   1.41)
 7       BONITA 4         m   2   t   b   2   4    -       -      -      -      2.10 (  1.33-   3.32)
 7       BONITA 5         f   2   t   b   2   4    -       -      -      -      1.66 (  1.07-   2.57)
 Subtotal 7                                                                    1.86 (  1.35-   2.55)
 8       YOU    8         c   s   e   n   2   5    -       -      -      -      1.70 (  0.98-   2.92)
*10      YAMADA 2         m   t   e   f   2   1    -       -      -      -      1.13 (  0.19-   6.85)
*10      YAMADA 1         f   t   e   f   2   1    -       -      -      -      0.94 (  0.57-   1.55)
 Subtotal 10                                                                   0.95 (  0.59-   1.54)
 14      MCGHEE 1         m   h   p   f   2   2    -       -      -      -      1.31 (  0.87-   1.99)
 14      MCGHEE 2         f   h   p   f   2   2    -       -      -      -      1.57 (  1.11-   2.24)
 Subtotal 14                                                                   1.46 (  1.11-   1.90)
Partial Totals                                    0       0      0      0
*prospective study
```

6+

```
                                                Numbers
                                                Numbers  exposed Non-exposed
 StN      Ref     NRR     SEX EXP TIM TYP UNX ADJ  Case    Cont   Case   Cont      RR        95.00%CI

 6       HOWARD 2         c   t   c   n   2   10   -       -      -      -      1.06 (  0.64-   1.75)
 9       IRIBA1 1         m   h   c   n   2   11   -       -      -      -      0.25 (  0.04-   0.82)
 9       IRIBA1 9         f   h   c   n   2   11   -       -      -      -      1.23 (  0.75-   1.96)
 Subtotal 9                                                                    1.06 (  0.76-   1.49)
 11      ANDERS 7         m   h   e   b   2   8    -       -      -      -      0.50 (  0.20-   1.30)
 11      ANDERS 6         f   h   e   b   2   8    -       -      -      -      1.30 (  0.70-   2.30)
 Subtotal 11                                                                   0.99 (  0.60-   1.63)
*12      IRIBA2 27        m   h   c   b   2   10   -       -      -      -      1.02 (  0.71-   1.48)
*12      IRIBA2 39        f   h   c   b   2   10   -       -      -      -      1.17 (  0.92-   1.50)
 Subtotal 12                                                                   1.12 (  0.92-   1.37)
*13      WHINCU 8         m   c   c   b   4   16   -       -      -      -      1.54 (  0.68-   3.47)
*15      ZHANG  22        f   s   c   n   2   14   -       -      -      -      1.44 (  1.20-   1.72)
Partial Totals                                    0       0      0      0
*prospective study
```

```
                              0-5        6+       Total
Relative risks


                        N     14          9         23
                        NS     8          6         14


                        Wt 278.70     265.89     544.59
                   Het Chi  15.32      12.56      28.16
                   Het df      13          8         22
                   Het P    N.S.       N.S.       N.S.
                  Fixed RR   1.30       1.24       1.27
                       RRl   1.16       1.10       1.17
                       RRu   1.46       1.40       1.39
                         P   +++        +++        +++
                 Random RR   1.31       1.17       1.26
                       RRl   1.14       0.98       1.13
                       RRu   1.51       1.40       1.40
                         P   +++         (+)       +++
                  Asymm 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), home/work (2), cotinine (c)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, during marriage (m), ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

Table 10
ETS and Stroke - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 27-JUN-05
By total number of confounders considered in the study (grouped) - adjusted

		0-5	6+	Total
Relative risks				
	Between Chi		0.27	0.27
	Between df		1	1
	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), home/work (2), cotinine (c)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, during marriage (m), ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

```
                                                Table 11
                  ETS and Stroke - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 27-JUN-05
                                          By stroke fatality - adjusted


Fatal
                                                                  Numbers
                                                                  Numbers  exposed Non-exposed
  StN      Ref     NRR      SEX EXP TIM TYP UNX ADJ               Case     Cont    Case    Cont       RR       95.00%CI
 *1       GILLIS 1          m   h   x   f   2   1                  -        -       -       -         0.33 ( 0.04-   2.84)
 *1       GILLIS 2          f   h   x   f   2   1                  -        -       -       -         1.88 ( 0.22-  16.02)
  Subtotal 1                                                                                         0.78 ( 0.17-   3.55)
 *5       SANDLE 2          m   h   e   f   2   4                  -        -       -       -         0.97 ( 0.65-   1.46)
 *5       SANDLE 4          f   h   e   f   2   4                  -        -       -       -         1.24 ( 1.03-   1.49)
  Subtotal 5                                                                                         1.19 ( 1.00-   1.41)
 *10      YAMADA 2          m   t   e   f   2   1                  -        -       -       -         1.13 ( 0.19-   6.85)
 *10      YAMADA 1          f   t   e   f   2   1                  -        -       -       -         0.94 ( 0.57-   1.55)
  Subtotal 10                                                                                        0.95 ( 0.59-   1.54)
  14      MCGHEE 1          m   h   p   f   2   2                  -        -       -       -         1.31 ( 0.87-   1.99)
  14      MCGHEE 2          f   h   p   f   2   2                  -        -       -       -         1.57 ( 1.11-   2.24)
  Subtotal 14                                                                                        1.46 ( 1.11-   1.90)
Partial Totals                                                    0        0       0       0
*prospective study


Nonfatal
                                                                  Numbers
                                                                  Numbers  exposed Non-exposed
  StN      Ref     NRR      SEX EXP TIM TYP UNX ADJ               Case     Cont    Case    Cont       RR       95.00%CI

  2        LEE    2          m   s   m   n   2   2                 -        -       -       -         0.84 ( 0.31-   2.27)
  2        LEE    4          f   s   m   n   2   2                 -        -       -       -         0.92 ( 0.51-   1.65)
  Subtotal 2                                                                                         0.90 ( 0.54-   1.49)
  6        HOWARD 2          c   t   c   n   2   10                -        -       -       -         1.06 ( 0.64-   1.75)
  8        YOU    8          c   s   e   n   2   5                 -        -       -       -         1.70 ( 0.98-   2.92)
  9        IRIBA1 1          m   h   c   n   2   11                -        -       -       -         0.25 ( 0.04-   0.82)
  9        IRIBA1 9          f   h   c   n   2   11                -        -       -       -         1.23 ( 0.75-   1.96)
  Subtotal 9                                                                                         1.06 ( 0.67-   1.68)
 *15      ZHANG  22          f   s   c   n   2   14                -        -       -       -         1.44 ( 1.20-   1.72)
Partial Totals                                                    0        0       0       0
*prospective study


Both
                                                                  Numbers
                                                                  Numbers  exposed Non-exposed
  StN      Ref     NRR      SEX EXP TIM TYP UNX ADJ               Case     Cont    Case    Cont       RR       95.00%CI

  4        DONNAN 1          c   s   e   b   2   3                 -        -       -       -         1.60 ( 0.60-   3.90)
  7        BONITA 4          m   2   t   b   2   4                 -        -       -       -         2.10 ( 1.33-   3.32)
  7        BONITA 5          f   2   t   b   2   4                 -        -       -       -         1.66 ( 1.07-   2.57)
  Subtotal 7                                                                                         1.83 ( 1.36-   2.47)
  11       ANDERS 7          m   h   e   b   2   8                 -        -       -       -         0.50 ( 0.20-   1.30)
  11       ANDERS 6          f   h   e   b   2   8                 -        -       -       -         1.30 ( 0.70-   2.30)
  Subtotal 11                                                                                        0.99 ( 0.60-   1.63)
 *12      IRIBA2 27          m   h   c   b   2   10                -        -       -       -         1.02 ( 0.71-   1.48)
 *12      IRIBA2 39          f   h   c   b   2   10                -        -       -       -         1.17 ( 0.92-   1.50)
  Subtotal 12                                                                                        1.12 ( 0.92-   1.37)
 *13      WHINCU 8           m   c   c   b   4   16                -        -       -       -         1.54 ( 0.68-   3.47)
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), home/work (2), cotinine (c)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, during marriage (m), ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

```
                                    Table 11
        ETS and Stroke - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 27-JUN-05
                              By stroke fatality - adjusted

                          Fatal     Nonfatal      Both       Total


Relative risks


                    N        8            7          8          23
                   NS        4            5          5          14


                   Wt   208.03       180.00     156.57      544.59
          Het  Chi     6.01         9.44       12.13       28.16
          Het  df         7            6          7          22
          Het  P       N.S.         N.S.        (*)        N.S.
          Fixed  RR    1.23         1.32        1.28        1.27
                 RRl    1.07         1.14        1.10        1.17
                 RRu    1.40         1.53        1.50        1.39
                 P       ++          +++         ++         +++
          Random  RR    1.23         1.21        1.31        1.26
                 RRl    1.07         0.95        1.04        1.13
                 RRu    1.40         1.54        1.66        1.40
                 P       ++          N.S.         +         +++
          Asymm  P     N.S.            *        N.S.        N.S.
          Between Chi                0.56        0.17        0.57
          Between df                   1           1           2
          Between P                 N.S.        N.S.        N.S.
```

Table 12
ETS and Stroke - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 27-JUN-05
By stroke grouping - adjusted

stroke

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers exposed Case	Cont	Non-exposed Case	Cont	RR	95.00%CI
*1	GILLIS	1	m	h	x	f	2	1	-	-	-	-	0.33 (	0.04- 2.84)
*1	GILLIS	2	f	h	x	f	2	1	-	-	-	-	1.88 (	0.22- 16.02)
Subtotal 1													0.78 (	0.17- 3.55)
2	LEE	2	m	s	m	n	2	2	-	-	-	-	0.84 (	0.31- 2.27)
2	LEE	4	f	s	m	n	2	2	-	-	-	-	0.92 (	0.51- 1.65)
Subtotal 2													0.90 (	0.54- 1.49)
*5	SANDLE	2	m	h	e	f	2	4	-	-	-	-	0.97 (	0.65- 1.46)
*5	SANDLE	4	f	h	e	f	2	4	-	-	-	-	1.24 (	1.03- 1.49)
Subtotal 5													1.19 (	1.00- 1.41)
7	BONITA	4	m	2	t	b	2	4	-	-	-	-	2.10 (	1.33- 3.32)
7	BONITA	5	f	2	t	b	2	4	-	-	-	-	1.66 (	1.07- 2.57)
Subtotal 7													1.86 (	1.35- 2.55)
9	IRIBA1	1	m	h	c	n	2	11	-	-	-	-	0.25 (	0.04- 0.82)
9	IRIBA1	9	f	h	c	n	2	11	-	-	-	-	1.23 (	0.75- 1.96)
Subtotal 9													1.06 (	0.67- 1.68)
*13	WHINCU	8	m	c	c	b	4	16	-	-	-	-	1.54 (	0.68- 3.47)
14	MCGHEE	1	m	h	p	f	2	2	-	-	-	-	1.31 (	0.87- 1.99)
14	MCGHEE	2	f	h	p	f	2	2	-	-	-	-	1.57 (	1.11- 2.24)
Subtotal 14													1.46 (	1.11- 1.90)
*15	ZHANG	22	f	s	c	n	2	14	-	-	-	-	1.44 (	1.20- 1.72)
Partial Totals									0	0	0	0		

*prospective study

SAH

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers exposed Case	Cont	Non-exposed Case	Cont	RR	95.00%CI
*10	YAMADA	2	m	t	e	f	2	1	-	-	-	-	1.13 (	0.19- 6.85)
*10	YAMADA	1	f	t	e	f	2	1	-	-	-	-	0.94 (	0.57- 1.55)
Subtotal 10													0.95 (	0.59- 1.54)
11	ANDERS	7	m	h	e	b	2	8	-	-	-	-	0.50 (	0.20- 1.30)
11	ANDERS	6	f	h	e	b	2	8	-	-	-	-	1.30 (	0.70- 2.30)
Subtotal 11													0.99 (	0.60- 1.63)
Partial Totals									0	0	0	0		

*prospective study

other

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers exposed Case	Cont	Non-exposed Case	Cont	RR	95.00%CI
4	DONNAN	1	c	s	e	b	2	3	-	-	-	-	1.60 (	0.60- 3.90)
6	HOWARD	2	c	t	c	n	2	10	-	-	-	-	1.06 (	0.64- 1.75)
8	YOU	8	c	s	e	n	2	5	-	-	-	-	1.70 (	0.98- 2.92)
*12	IRIBA2	27	m	h	c	b	2	10	-	-	-	-	1.02 (	0.71- 1.48)
*12	IRIBA2	39	f	h	c	b	2	10	-	-	-	-	1.17 (	0.92- 1.50)
Subtotal 12													1.12 (	0.92- 1.37)
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), home/work (2), cotinine (c)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, during marriage (m), ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

```
                                   Table 12
         ETS and Stroke - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 27-JUN-05
                             By stroke grouping - adjusted

                           stroke        SAH        other       Total


Relative risks


                   N        14           4           5           23
                  NS         8           2           4           14


                  Wt    387.56       31.79      125.24       544.59
         Het Chi      18.32        2.90        2.91        28.16
         Het  df         13           3           4           22
         Het  P        N.S.        N.S.        N.S.        N.S.
       Fixed  RR       1.34        0.97        1.18        1.27
              RRl      1.21        0.68        0.99        1.17
              RRu      1.48        1.37        1.40        1.39
              P        +++         N.S.        (+)         +++
      Random  RR       1.32        0.97        1.18        1.26
              RRl      1.15        0.68        0.99        1.13
              RRu      1.52        1.37        1.40        1.40
              P        +++         N.S.        (+)         +++
       Asymm  P        N.S.        N.S.        N.S.        N.S.
     Between Chi                   3.03        1.51        4.03
     Between  df                      1           1           2
     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), home/work (2), cotinine (c)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, during marriage (m), ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

```
                                    Table 13
        ETS and Stroke - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 27-JUN-05
                         By study weakness noted - adjusted


absent
                                                    Numbers
                                                    Numbers exposed Non-exposed
  StN      Ref    NRR     SEX EXP TIM TYP UNX ADJ   Case    Cont  Case    Cont     RR        95.00%CI
*1       GILLIS 1       m   h   x   f   2   1     -       -     -       -       0.33 (  0.04-   2.84)
*1       GILLIS 2       f   h   x   f   2   1     -       -     -       -       1.88 (  0.22-  16.02)
 Subtotal 1                                                                     0.78 (  0.17-   3.55)
2        LEE    2       m   s   m   n   2   2     -       -     -       -       0.84 (  0.31-   2.27)
2        LEE    4       f   s   m   n   2   2     -       -     -       -       0.92 (  0.51-   1.65)
 Subtotal 2                                                                     0.90 (  0.54-   1.49)
4        DONNAN 1       c   s   e   b   2   3     -       -     -       -       1.60 (  0.60-   3.90)
6        HOWARD 2       c   t   c   n   2   10    -       -     -       -       1.06 (  0.64-   1.75)
8        YOU    8       c   s   e   n   2   5     -       -     -       -       1.70 (  0.98-   2.92)
9        IRIBA1 1       m   h   c   n   2   11    -       -     -       -       0.25 (  0.04-   0.82)
9        IRIBA1 9       f   h   c   n   2   11    -       -     -       -       1.23 (  0.75-   1.96)
 Subtotal 9                                                                     1.06 (  0.67-   1.68)
11       ANDERS 7       m   h   e   b   2   8     -       -     -       -       0.50 (  0.20-   1.30)
11       ANDERS 6       f   h   e   b   2   8     -       -     -       -       1.30 (  0.70-   2.30)
 Subtotal 11                                                                    0.99 (  0.60-   1.63)
*15      ZHANG  22      f   s   c   n   2   14    -       -     -       -       1.44 (  1.20-   1.72)
Partial Totals                                    0       0     0       0
*prospective study


yes
                                                    Numbers
                                                    Numbers exposed Non-exposed
  StN      Ref    NRR     SEX EXP TIM TYP UNX ADJ   Case    Cont  Case    Cont     RR        95.00%CI

*5       SANDLE 2       m   h   e   f   2   4     -       -     -       -       0.97 (  0.65-   1.46)
*5       SANDLE 4       f   h   e   f   2   4     -       -     -       -       1.24 (  1.03-   1.49)
 Subtotal 5                                                                     1.19 (  1.00-   1.41)
7        BONITA 4       m   2   t   b   2   4     -       -     -       -       2.10 (  1.33-   3.32)
7        BONITA 5       f   2   t   b   2   4     -       -     -       -       1.66 (  1.07-   2.57)
 Subtotal 7                                                                     1.86 (  1.35-   2.55)
*10      YAMADA 2       m   t   e   f   2   1     -       -     -       -       1.13 (  0.19-   6.85)
*10      YAMADA 1       f   t   e   f   2   1     -       -     -       -       0.94 (  0.57-   1.55)
 Subtotal 10                                                                    0.95 (  0.59-   1.54)
*12      IRIBA2 27      m   h   c   b   2   10    -       -     -       -       1.02 (  0.71-   1.48)
*12      IRIBA2 39      f   h   c   b   2   10    -       -     -       -       1.17 (  0.92-   1.50)
 Subtotal 12                                                                    1.12 (  0.92-   1.37)
*13      WHINCU 8       m   c   c   b   4   16    -       -     -       -       1.54 (  0.68-   3.47)
14       MCGHEE 1       m   h   p   f   2   2     -       -     -       -       1.31 (  0.87-   1.99)
14       MCGHEE 2       f   h   p   f   2   2     -       -     -       -       1.57 (  1.11-   2.24)
 Subtotal 14                                                                    1.46 (  1.11-   1.90)
Partial Totals                                    0       0     0       0
*prospective study

                              absent        yes        Total
Relative risks



                        N      12           11          23
                        NS      8            6          14


                        Wt   201.31      343.29      544.59
                  Het Chi    15.39       12.68       28.16
                  Het  df       11          10          22
                  Het   P     N.S.        N.S.        N.S.
                  Fixed RR     1.29        1.26        1.27
                        RRl    1.13        1.13        1.17
                        RRu    1.49        1.40        1.39
                        P      +++         +++         +++
                  Random RR    1.17        1.27        1.26
                        RRl    0.95        1.12        1.13
                        RRu    1.46        1.45        1.40
                        P      N.S.        +++         +++
                  Asymm  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), home/work (2), cotinine (c)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, during marriage (m), ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)
```

```
                                            Table 13
              ETS and Stroke - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 27-JUN-05
                                     By study weakness noted - adjusted

                             absent           yes          Total


Relative risks
                 Between Chi               0.08           0.08
                 Between  df                  1              1
                 Between  P                N.S.           N.S.
```

Overall

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers exposed Case	Cont	Numbers Non-exposed Case	Cont	RR	95.00%CI	
*1	GILLIS	1	m	h	x	f	2	1	-	-	-	-	0.33 (	0.04-	2.84)
*1	GILLIS	2	f	h	x	f	2	1	-	-	-	-	1.88 (	0.22-	16.02)
Subtotal 1													0.78 (	0.17-	3.55)
2	LEE	2	m	s	m	n	2	2	-	-	-	-	0.84 (	0.31-	2.27)
2	LEE	4	f	s	m	n	2	2	-	-	-	-	0.92 (	0.51-	1.65)
Subtotal 2													0.90 (	0.54-	1.49)
4	DONNAN	1	c	s	e	b	2	3	-	-	-	-	1.60 (	0.60-	3.90)
*5	SANDLE	2	m	h	e	f	2	4	-	-	-	-	0.97 (	0.65-	1.46)
*5	SANDLE	4	f	h	e	f	2	4	-	-	-	-	1.24 (	1.03-	1.49)
Subtotal 5													1.19 (	1.00-	1.41)
6	HOWARD	2	c	t	c	n	2	10	-	-	-	-	1.06 (	0.64-	1.75)
7	BONITA	4	m	2	t	b	2	4	-	-	-	-	2.10 (	1.33-	3.32)
7	BONITA	5	f	2	t	b	2	4	-	-	-	-	1.66 (	1.07-	2.57)
Subtotal 7													1.86 (	1.35-	2.55)
8	YOU	8	c	s	e	n	2	5	-	-	-	-	1.70 (	0.98-	2.92)
9	IRIBA1	1	m	h	c	n	2	11	-	-	-	-	0.25 (	0.04-	0.82)
9	IRIBA1	9	f	h	c	n	2	11	-	-	-	-	1.23 (	0.75-	1.96)
Subtotal 9													1.06 (	0.67-	1.68)
*10	YAMADA	2	m	t	e	f	2	1	-	-	-	-	1.13 (	0.19-	6.85)
*10	YAMADA	1	f	t	e	f	2	1	-	-	-	-	0.94 (	0.57-	1.55)
Subtotal 10													0.95 (	0.59-	1.54)
11	ANDERS	7	m	h	e	b	2	8	-	-	-	-	0.50 (	0.20-	1.30)
11	ANDERS	6	f	h	e	b	2	8	-	-	-	-	1.30 (	0.70-	2.30)
Subtotal 11													0.99 (	0.60-	1.63)
*12	IRIBA2	27	m	h	c	b	2	10	-	-	-	-	1.02 (	0.71-	1.48)
*12	IRIBA2	39	f	h	c	b	2	10	-	-	-	-	1.17 (	0.92-	1.50)
Subtotal 12													1.12 (	0.92-	1.37)
*13	WHINCU	8	m	c	c	b	4	16	-	-	-	-	1.54 (	0.68-	3.47)
14	MCGHEE	1	m	h	p	f	2	2	-	-	-	-	1.31 (	0.87-	1.99)
14	MCGHEE	2	f	h	p	f	2	2	-	-	-	-	1.57 (	1.11-	2.24)
Subtotal 14													1.46 (	1.11-	1.90)
*15	ZHANG	6	f	s	e	n	2	14	-	-	-	-	1.27 (	1.05-	1.54)
Partial Totals									0	0	0	0			

*prospective study

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Ys	Ws	Qs	Ps
*1	GILLIS	1	m	h	x	f	2	1	-1.11	0.85	1.48	0.3080
*1	GILLIS	2	f	h	x	f	2	1	0.63	0.84	0.15	0.5639
Subtotal 1									-0.91	1.68	1.62	
2	LEE	2	m	s	m	n	2	2	-0.17	3.88	0.58	0.7314
2	LEE	4	f	s	m	n	2	2	-0.08	11.15	0.98	0.7807
Subtotal 2									-0.69	15.02	1.57	
4	DONNAN	1	c	s	e	b	2	3	0.47	4.39	0.29	0.3250
*5	SANDLE	2	m	h	e	f	2	4	-0.03	23.47	1.40	0.8827
*5	SANDLE	4	f	h	e	f	2	4	0.22	112.72	0.00	0.0224
Subtotal 5									-0.24	136.18	1.40	
6	HOWARD	2	c	t	c	n	2	10	0.06	15.19	0.37	0.8204
7	BONITA	4	m	2	t	b	2	4	0.74	18.36	5.12	0.0015
7	BONITA	5	f	2	t	b	2	4	0.51	20.01	1.72	0.0234
Subtotal 7									0.82	38.37	6.84	
8	YOU	8	c	s	e	n	2	5	0.53	12.89	1.29	0.0568
9	IRIBA1	1	m	h	c	n	2	11	-1.39	1.68	4.31	0.0720
9	IRIBA1	9	f	h	c	n	2	11	0.21	16.65	0.00	0.3983
Subtotal 9									-1.61	18.34	4.31	
*10	YAMADA	2	m	t	e	f	2	1	0.12	1.20	0.01	0.8937
*10	YAMADA	1	f	t	e	f	2	1	-0.06	15.35	1.17	0.8084
Subtotal 10									-0.37	16.55	1.18	
11	ANDERS	7	m	h	e	b	2	8	-0.69	4.39	3.61	0.1466
11	ANDERS	6	f	h	e	b	2	8	0.26	10.86	0.03	0.3873
Subtotal 11									-0.86	15.24	3.63	
*12	IRIBA2	27	m	h	c	b	2	10	0.02	28.48	1.07	0.9158
*12	IRIBA2	39	f	h	c	b	2	10	0.16	64.30	0.21	0.2080
Subtotal 12									-0.25	92.78	1.28	

Within each study, results are included (in the following order of preference) for:
1) EXP Exposure = spouse (s), household (h), total (t), home/work (2), cotinine (c)
2) TIM Time of exposure = ever (e), during marriage (m), in the past (p), in last 5 (x) or 10 (t) years, current (c)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

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                                        Table 14
        ETS and Stroke - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 27-JUN-05
                                   Overall - adjusted


Overall

  StN     Ref    NRR      SEX EXP TIM TYP UNX ADJ        Ys      Ws      Qs      Ps
 *13    WHINCU 8        m   c   c   b   4   16          0.43    5.78    0.27    0.2990
  14    MCGHEE 1        m   h   p   f   2   2           0.27   22.45    0.07    0.2008
  14    MCGHEE 2        f   h   p   f   2   2           0.45   31.17    1.75    0.0118
  Subtotal 14                                          0.29   53.62    1.83
 *15    ZHANG  6        f   s   e   n   2   14          0.24  104.76    0.07    0.0144


Relative risks


                           N        23
                          NS        14


                          Wt    530.79
                    Het Chi     25.95
                    Het  df        22
                    Het  P       N.S.
                  Fixed  RR      1.24
                          RRl    1.14
                          RRu    1.35
                           P     +++
                  Random  RR     1.23
                          RRl    1.11
                          RRu    1.37
                           P     +++
                  Asymm  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), home/work (2), cotinine (c)
2) TIM Time of exposure = ever (e), during marriage (m), in the past (p), in last 5 (x) or 10 (t) years, current (c)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

Table 15
ETS and Stroke - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 27-JUN-05
Overall - age-adjusted

Overall

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers exposed Non-exposed Case	Cont	Case	Cont	RR		95.00%CI
*1	GILLIS	1	m	h	x	f	2	1	-	-	-	-	0.33 (	0.04-	2.84)
*1	GILLIS	2	f	h	x	f	2	1	-	-	-	-	1.88 (	0.22-	16.02)
Subtotal 1													0.78 (	0.17-	3.55)
2	LEE	2	m	s	m	n	2	2	-	-	-	-	0.84 (	0.31-	2.27)
2	LEE	4	f	s	m	n	2	2	-	-	-	-	0.92 (	0.51-	1.65)
Subtotal 2													0.90 (	0.54-	1.49)
4	DONNAN	1	c	s	e	b	2	3	-	-	-	-	1.60 (	0.60-	3.90)
*5	SANDLE	2	m	h	e	f	2	4	-	-	-	-	0.97 (	0.65-	1.46)
*5	SANDLE	4	f	h	e	f	2	4	-	-	-	-	1.24 (	1.03-	1.49)
Subtotal 5													1.19 (	1.00-	1.41)
6	HOWARD	1	c	t	c	n	2	2	-	-	-	-	1.03 (	0.63-	1.67)
7	BONITA	1	m	2	t	b	2	1	-	-	-	-	2.06 (	1.34-	3.17)
7	BONITA	2	f	2	t	b	2	1	-	-	-	-	1.50 (	1.01-	2.21)
Subtotal 7													1.73 (	1.30-	2.31)
8	YOU	8	c	s	e	n	2	5	-	-	-	-	1.70 (	0.98-	2.92)
9	IRIBA1	1	m	h	c	n	2	11	-	-	-	-	0.25 (	0.04-	0.82)
9	IRIBA1	9	f	h	c	n	2	11	-	-	-	-	1.23 (	0.75-	1.96)
Subtotal 9													1.06 (	0.67-	1.68)
*10	YAMADA	2	m	t	e	f	2	1	-	-	-	-	1.13 (	0.19-	6.85)
*10	YAMADA	1	f	t	e	f	2	1	-	-	-	-	0.94 (	0.57-	1.55)
Subtotal 10													0.95 (	0.59-	1.54)
11	ANDERS	7	m	h	e	b	2	8	-	-	-	-	0.50 (	0.20-	1.30)
11	ANDERS	6	f	h	e	b	2	8	-	-	-	-	1.30 (	0.70-	2.30)
Subtotal 11													0.99 (	0.60-	1.63)
*12	IRIBA2	3	m	h	c	b	2	1	-	-	-	-	1.12 (	0.78-	1.60)
*12	IRIBA2	15	f	h	c	b	2	1	-	-	-	-	1.23 (	0.97-	1.57)
Subtotal 12													1.19 (	0.98-	1.46)
*13	WHINCU	4	m	c	c	b	4	2	-	-	-	-	0.96 (	0.49-	1.89)
14	MCGHEE	1	m	h	p	f	2	2	-	-	-	-	1.31 (	0.87-	1.99)
14	MCGHEE	2	f	h	p	f	2	2	-	-	-	-	1.57 (	1.11-	2.24)
Subtotal 14													1.46 (	1.11-	1.90)
*15	ZHANG	25	f	s	e	n	2	1	-	-	-	-	1.35 (	1.13-	1.62)
Partial Totals									0	0	0	0			

*prospective study

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Ys	Ws	Qs	Ps
*1	GILLIS	1	m	h	x	f	2	1	-1.11	0.85	1.52	0.3080
*1	GILLIS	2	f	h	x	f	2	1	0.63	0.84	0.13	0.5639
Subtotal 1									-0.94	1.68	1.65	
2	LEE	2	m	s	m	n	2	2	-0.17	3.88	0.63	0.7314
2	LEE	4	f	s	m	n	2	2	-0.08	11.15	1.10	0.7807
Subtotal 2									-0.72	15.02	1.73	
4	DONNAN	1	c	s	e	b	2	3	0.47	4.39	0.25	0.3250
*5	SANDLE	2	m	h	e	f	2	4	-0.03	23.47	1.59	0.8827
*5	SANDLE	4	f	h	e	f	2	4	0.22	112.72	0.03	0.0224
Subtotal 5									-0.28	136.18	1.62	
6	HOWARD	1	c	t	c	n	2	2	0.03	16.17	0.65	0.9054
7	BONITA	1	m	2	t	b	2	1	0.72	20.72	5.03	0.0010
7	BONITA	2	f	2	t	b	2	1	0.41	25.06	0.77	0.0424
Subtotal 7									0.67	45.78	5.80	
8	YOU	8	c	s	e	n	2	5	0.53	12.89	1.16	0.0568
9	IRIBA1	1	m	h	c	n	2	11	-1.39	1.68	4.40	0.0720
9	IRIBA1	9	f	h	c	n	2	11	0.21	16.65	0.01	0.3983
Subtotal 9									-1.64	18.34	4.41	
*10	YAMADA	2	m	t	e	f	2	1	0.12	1.20	0.01	0.8937
*10	YAMADA	1	f	t	e	f	2	1	-0.06	15.35	1.31	0.8084
Subtotal 10									-0.40	16.55	1.32	
11	ANDERS	7	m	h	e	b	2	8	-0.69	4.39	3.74	0.1466
11	ANDERS	6	f	h	e	b	2	8	0.26	10.86	0.01	0.3873
Subtotal 11									-0.89	15.24	3.75	
*12	IRIBA2	3	m	h	c	b	2	1	0.11	29.77	0.41	0.5364
*12	IRIBA2	15	f	h	c	b	2	1	0.21	66.27	0.04	0.0920
Subtotal 12									-0.14	96.04	0.44	

Within each study, results are included (in the following order of preference) for:
1) EXP Exposure = spouse (s), household (h), total (t), home/work (2), cotinine (c)
2) TIM Time of exposure = ever (e), during marriage (m), in the past (p), in last 5 (x) or 10 (t) years, current (c)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

```
                                  Table 15
        ETS and Stroke - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 27-JUN-05
                            Overall - age-adjusted


Overall

 StN      Ref    NRR      SEX EXP TIM TYP UNX ADJ        Ys       Ws       Qs       Ps
*13      WHINCU 4        m   c   c   b   4   2       -0.04     8.43     0.62     0.9056
 14      MCGHEE 1        m   h   p   f   2   2        0.27    22.45     0.04     0.2008
 14      MCGHEE 2        f   h   p   f   2   2        0.45    31.17     1.52     0.0118
 Subtotal 14                                         0.26    53.62     1.56
*15      ZHANG  25       f   s   e   n   2   1        0.30   118.43     0.58     0.0011

Relative risks


                         N       23
                         NS      14


                         Wt   558.76
                    Het Chi    25.54
                    Het  df       22
                    Het  P      N.S.
                  Fixed  RR     1.26
                         RRl    1.16
                         RRu    1.37
                         P      +++
                 Random  RR     1.25
                         RRl    1.13
                         RRu    1.38
                         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), home/work (2), cotinine (c)
2) TIM Time of exposure = ever (e), during marriage (m), in the past (p), in last 5 (x) or 10 (t) years, current (c)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

Table 16
ETS and Stroke - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 27-JUN-05
By sex - adjusted

combined

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers exposed Case	Cont	Non-exposed Case	Cont	RR	95.00%CI
4	DONNAN	1	c	s	e	b	2	3	-	-	-	-	1.60 (0.60- 3.90)
6	HOWARD	2	c	t	c	n	2	10	-	-	-	-	1.06 (0.64- 1.75)
8	YOU	8	c	s	e	n	2	5	-	-	-	-	1.70 (0.98- 2.92)
Partial Totals									0	0	0	0		

*prospective study

male

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers exposed Case	Cont	Non-exposed Case	Cont	RR	95.00%CI
*1	GILLIS	1	m	h	x	f	2	1	-	-	-	-	0.33 (0.04- 2.84)
2	LEE	2	m	s	m	n	2	2	-	-	-	-	0.84 (0.31- 2.27)
*5	SANDLE	2	m	h	e	f	2	4	-	-	-	-	0.97 (0.65- 1.46)
7	BONITA	4	m	2	t	b	2	4	-	-	-	-	2.10 (1.33- 3.32)
9	IRIBA1	1	m	h	c	n	2	11	-	-	-	-	0.25 (0.04- 0.82)
*10	YAMADA	2	m	t	e	f	2	1	-	-	-	-	1.13 (0.19- 6.85)
11	ANDERS	7	m	h	e	b	2	8	-	-	-	-	0.50 (0.20- 1.30)
*12	IRIBA2	27	m	h	c	b	2	10	-	-	-	-	1.02 (0.71- 1.48)
*13	WHINCU	8	m	c	c	b	4	16	-	-	-	-	1.54 (0.68- 3.47)
14	MCGHEE	1	m	h	p	f	2	2	-	-	-	-	1.31 (0.87- 1.99)
Partial Totals									0	0	0	0		

*prospective study

female

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers exposed Case	Cont	Non-exposed Case	Cont	RR	95.00%CI
*1	GILLIS	2	f	h	x	f	2	1	-	-	-	-	1.88 (0.22- 16.02)
2	LEE	4	f	s	m	n	2	2	-	-	-	-	0.92 (0.51- 1.65)
*5	SANDLE	4	f	h	e	f	2	4	-	-	-	-	1.24 (1.03- 1.49)
7	BONITA	5	f	2	t	b	2	4	-	-	-	-	1.66 (1.07- 2.57)
9	IRIBA1	9	f	h	c	n	2	11	-	-	-	-	1.23 (0.75- 1.96)
*10	YAMADA	1	f	t	e	f	2	1	-	-	-	-	0.94 (0.57- 1.55)
11	ANDERS	6	f	h	e	b	2	8	-	-	-	-	1.30 (0.70- 2.30)
*12	IRIBA2	39	f	h	c	b	2	10	-	-	-	-	1.17 (0.92- 1.50)
14	MCGHEE	2	f	h	p	f	2	2	-	-	-	-	1.57 (1.11- 2.24)
*15	ZHANG	6	f	s	e	n	2	14	-	-	-	-	1.27 (1.05- 1.54)
Partial Totals									0	0	0	0		

*prospective study

Relative risks

	combined	male	female	Total
N	3	10	10	23
NS	3	10	10	23
Wt	32.46	110.52	387.80	530.79
Het Chi	1.70	17.29	5.99	25.95
Het df	2	9	9	22
Het P	N.S.	*	N.S.	N.S.
Fixed RR	1.35	1.15	1.26	1.24
RRl	0.96	0.95	1.14	1.14
RRu	1.91	1.38	1.39	1.35
P	(+)	N.S.	+++	+++
Random RR	1.35	1.08	1.26	1.23
RRl	0.96	0.80	1.14	1.11
RRu	1.91	1.46	1.39	1.37
P	(+)	N.S.	+++	+++
Asymm P	N.S.	N.S.	N.S.	N.S.
Between Chi		0.68	0.16	0.98

Within each study, results are included (in the following order of preference) for:
1) EXP Exposure = spouse (s), household (h), total (t), home/work (2), cotinine (c)
2) TIM Time of exposure = ever (e), during marriage (m), in the past (p), in last 5 (x) or 10 (t) years, current (c)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

```
                                            Table 16
                ETS and Stroke - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 27-JUN-05
                                         By sex - adjusted

                            combined       male      female       Total


Relative risks
                    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), home/work (2), cotinine (c)
2) TIM Time of exposure = ever (e), during marriage (m), in the past (p), in last 5 (x) or 10 (t) years, current (c)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

Table 17
ETS and Stroke - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 27-JUN-05
By sex - age-adjusted

combined

									Numbers exposed		Non-exposed			
StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Case	Cont	Case	Cont	RR	95.00%CI
4	DONNAN	1	c	s	e	b	2	3	-	-	-	-	1.60 (	0.60- 3.90)
6	HOWARD	1	c	t	c	n	2	2	-	-	-	-	1.03 (	0.63- 1.67)
8	YOU	8	c	s	e	n	2	5	-	-	-	-	1.70 (	0.98- 2.92)
Partial Totals									0	0	0	0		

*prospective study

male

									Numbers exposed		Non-exposed			
StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Case	Cont	Case	Cont	RR	95.00%CI
*1	GILLIS	1	m	h	x	f	2	1	-	-	-	-	0.33 (	0.04- 2.84)
2	LEE	2	m	s	m	n	2	2	-	-	-	-	0.84 (	0.31- 2.27)
*5	SANDLE	2	m	h	e	f	2	4	-	-	-	-	0.97 (	0.65- 1.46)
7	BONITA	1	m	2	t	b	2	1	-	-	-	-	2.06 (	1.34- 3.17)
9	IRIBA1	1	m	h	c	n	2	11	-	-	-	-	0.25 (	0.04- 0.82)
*10	YAMADA	2	m	t	e	f	2	1	-	-	-	-	1.13 (	0.19- 6.85)
11	ANDERS	7	m	h	e	b	2	8	-	-	-	-	0.50 (	0.20- 1.30)
*12	IRIBA2	3	m	h	c	b	2	1	-	-	-	-	1.12 (	0.78- 1.60)
*13	WHINCU	4	m	c	c	b	4	2	-	-	-	-	0.96 (	0.49- 1.89)
14	MCGHEE	1	m	h	p	f	2	2	-	-	-	-	1.31 (	0.87- 1.99)
Partial Totals									0	0	0	0		

*prospective study

female

									Numbers exposed		Non-exposed			
StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers Case	Cont	Case	Cont	RR	95.00%CI
*1	GILLIS	2	f	h	x	f	2	1	-	-	-	-	1.88 (	0.22- 16.02)
2	LEE	4	f	s	m	n	2	2	-	-	-	-	0.92 (	0.51- 1.65)
*5	SANDLE	4	f	h	e	f	2	4	-	-	-	-	1.24 (	1.03- 1.49)
7	BONITA	2	f	2	t	b	2	1	-	-	-	-	1.50 (	1.01- 2.21)
9	IRIBA1	9	f	h	c	n	2	11	-	-	-	-	1.23 (	0.75- 1.96)
*10	YAMADA	1	f	t	e	f	2	1	-	-	-	-	0.94 (	0.57- 1.55)
11	ANDERS	6	f	h	e	b	2	8	-	-	-	-	1.30 (	0.70- 2.30)
*12	IRIBA2	15	f	h	c	b	2	1	-	-	-	-	1.23 (	0.97- 1.57)
14	MCGHEE	2	f	h	p	f	2	2	-	-	-	-	1.57 (	1.11- 2.24)
*15	ZHANG	25	f	s	e	n	2	1	-	-	-	-	1.35 (	1.13- 1.62)
Partial Totals									0	0	0	0		

*prospective study

Relative risks		combined	male	female	Total
	N	3	10	10	23
	NS	3	10	10	23
	Wt	33.45	116.82	408.49	558.76
	Het Chi	1.98	17.06	5.31	25.54
	Het df	2	9	9	22
	Het P	N.S.	*	N.S.	N.S.
	Fixed RR	1.32	1.15	1.29	1.26
	RRl	0.94	0.96	1.17	1.16
	RRu	1.86	1.38	1.42	1.37
	P	N.S.	N.S.	+++	+++
	Random RR	1.32	1.06	1.29	1.25
	RRl	0.94	0.79	1.17	1.13
	RRu	1.86	1.41	1.42	1.38
	P	N.S.	N.S.	+++	+++
	Asymm P	N.S.	(*)	N.S.	(*)
	Between Chi		0.50	0.03	1.19

Within each study, results are included (in the following order of preference) for:
1) EXP Exposure = spouse (s), household (h), total (t), home/work (2), cotinine (c)
2) TIM Time of exposure = ever (e), during marriage (m), in the past (p), in last 5 (x) or 10 (t) years, current (c)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

```
                                             Table 17
            ETS and Stroke - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 27-JUN-05
                                         By sex - age-adjusted

                            combined        male        female       Total


Relative risks
                    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), home/work (2), cotinine (c)
2) TIM Time of exposure = ever (e), during marriage (m), in the past (p), in last 5 (x) or 10 (t) years, current (c)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)


                                             Table 17
            ETS and Stroke - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 27-JUN-05
```

Table 18
ETS and Stroke - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 27-JUN-05
By source of exposure - adjusted

```
spouse
                                                    Numbers
                                                    Numbers exposed Non-exposed
  StN     Ref    NRR     SEX EXP TIM TYP UNX ADJ    Case   Cont    Case   Cont    RR       95.00%CI
  2       LEE    2       m   s   m   n   2   2       -      -       -      -       0.84 ( 0.31-   2.27)
  2       LEE    4       f   s   m   n   2   2       -      -       -      -       0.92 ( 0.51-   1.65)
  Subtotal 2                                                                      0.90 ( 0.54-   1.49)
  4       DONNAN 1       c   s   e   b   2   3       -      -       -      -       1.60 ( 0.60-   3.90)
  8       YOU    8       c   s   e   n   2   5       -      -       -      -       1.70 ( 0.98-   2.92)
 *15      ZHANG  6       f   s   e   n   2   14      -      -       -      -       1.27 ( 1.05-   1.54)
Partial Totals                                      0      0       0      0
*prospective study


total
                                                    Numbers
                                                    Numbers exposed Non-exposed
  StN     Ref    NRR     SEX EXP TIM TYP UNX ADJ    Case   Cont    Case   Cont    RR       95.00%CI

  6       HOWARD 2       c   t   c   n   2   10      -      -       -      -       1.06 ( 0.64-   1.75)
  7       BONITA 4       m   2   t   b   2   4       -      -       -      -       2.10 ( 1.33-   3.32)
  7       BONITA 5       f   2   t   b   2   4       -      -       -      -       1.66 ( 1.07-   2.57)
  Subtotal 7                                                                      1.58 ( 1.21-   2.07)
 *10      YAMADA 2       m   t   e   f   2   1       -      -       -      -       1.13 ( 0.19-   6.85)
 *10      YAMADA 1       f   t   e   f   2   1       -      -       -      -       0.94 ( 0.57-   1.55)
  Subtotal 10                                                                     0.95 ( 0.59-   1.54)
 *13      WHINCU 8       m   c   c   b   4   16      -      -       -      -       1.54 ( 0.68-   3.47)
Partial Totals                                      0      0       0      0
*prospective study


househ
                                                    Numbers
                                                    Numbers exposed Non-exposed
  StN     Ref    NRR     SEX EXP TIM TYP UNX ADJ    Case   Cont    Case   Cont    RR       95.00%CI

 *1       GILLIS 1       m   h   x   f   2   1       -      -       -      -       0.33 ( 0.04-   2.84)
 *1       GILLIS 2       f   h   x   f   2   1       -      -       -      -       1.88 ( 0.22-  16.02)
  Subtotal 1                                                                      0.78 ( 0.17-   3.55)
 *5       SANDLE 2       m   h   e   f   2   4       -      -       -      -       0.97 ( 0.65-   1.46)
 *5       SANDLE 4       f   h   e   f   2   4       -      -       -      -       1.24 ( 1.03-   1.49)
  Subtotal 5                                                                      1.19 ( 1.00-   1.41)
  9       IRIBA1 1       m   h   c   n   2   11      -      -       -      -       0.25 ( 0.04-   0.82)
  9       IRIBA1 9       f   h   c   n   2   11      -      -       -      -       1.23 ( 0.75-   1.96)
  Subtotal 9                                                                      1.06 ( 0.67-   1.68)
  11      ANDERS 7       m   h   e   b   2   8       -      -       -      -       0.50 ( 0.20-   1.30)
  11      ANDERS 6       f   h   e   b   2   8       -      -       -      -       1.30 ( 0.70-   2.30)
  Subtotal 11                                                                     0.99 ( 0.60-   1.63)
 *12      IRIBA2 27      m   h   c   b   2   10      -      -       -      -       1.02 ( 0.71-   1.48)
 *12      IRIBA2 39      f   h   c   b   2   10      -      -       -      -       1.17 ( 0.92-   1.50)
  Subtotal 12                                                                     1.12 ( 0.92-   1.37)
  14      MCGHEE 1       m   h   p   f   2   2       -      -       -      -       1.31 ( 0.87-   1.99)
  14      MCGHEE 2       f   h   p   f   2   2       -      -       -      -       1.57 ( 1.11-   2.24)
  Subtotal 14                                                                     1.46 ( 1.11-   1.90)
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), home/work (2), cotinine (c)
2) TIM Time of exposure = ever (e), during marriage (m), in the past (p), in last 5 (x) or 10 (t) years, current (c)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

```
                                       Table 18
             ETS and Stroke - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 27-JUN-05
                                 By source of exposure - adjusted

                            spouse        total        househ         Total


Relative risks


                      N        5            6            12            23
                     NS        4            4             6            14


                     Wt   137.05        75.90        317.84        530.79
              Het Chi     3.15          7.31         13.53         25.95
              Het  df        4             5            11            22
              Het  P     N.S.          N.S.          N.S.          N.S.
            Fixed  RR     1.27          1.41          1.19          1.24
                    RRl    1.07          1.13          1.06          1.14
                    RRu    1.50          1.77          1.33          1.35
                      P     ++            ++            ++           +++
           Random  RR     1.27          1.40          1.17          1.23
                    RRl    1.07          1.05          1.02          1.11
                    RRu    1.50          1.86          1.34          1.37
                      P     ++             +             +           +++
            Asymm  P     N.S.          N.S.           (*)          N.S.
          Between Chi                   0.60          0.39          1.96
          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), home/work (2), cotinine (c)
2) TIM Time of exposure = ever (e), during marriage (m), in the past (p), in last 5 (x) or 10 (t) years, current (c)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

Table 19
ETS and Stroke - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 27-JUN-05
By continent - adjusted

NAmerica

| | | | | | | | | | Numbers exposed | | Non-exposed | | | |
| | | | | | | | | | Numbers | | | | | |
StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Case	Cont	Case	Cont	RR	95.00%CI
*5	SANDLE 2		m	h	e	f	2	4	-	-	-	-	0.97 (0.65- 1.46)
*5	SANDLE 4		f	h	e	f	2	4	-	-	-	-	1.24 (1.03- 1.49)
Subtotal 5													1.19 (1.00- 1.41)
6	HOWARD 2		c	t	c	n	2	10	-	-	-	-	1.06 (0.64- 1.75)
9	IRIBA1 1		m	h	c	n	2	11	-	-	-	-	0.25 (0.04- 0.82)
9	IRIBA1 9		f	h	c	n	2	11	-	-	-	-	1.23 (0.75- 1.96)
Subtotal 9													1.06 (0.67- 1.68)
*12	IRIBA2 27		m	h	c	b	2	10	-	-	-	-	1.02 (0.71- 1.48)
*12	IRIBA2 39		f	h	c	b	2	10	-	-	-	-	1.17 (0.92- 1.50)
Subtotal 12													1.12 (0.92- 1.37)
Partial Totals									0	0	0	0	
*prospective study													

Europe

| | | | | | | | | | Numbers exposed | | Non-exposed | | | |
| | | | | | | | | | Numbers | | | | | |
StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Case	Cont	Case	Cont	RR	95.00%CI
*1	GILLIS 1		m	h	x	f	2	1	-	-	-	-	0.33 (0.04- 2.84)
*1	GILLIS 2		f	h	x	f	2	1	-	-	-	-	1.88 (0.22- 16.02)
Subtotal 1													0.78 (0.17- 3.55)
2	LEE 2		m	s	m	n	2	2	-	-	-	-	0.84 (0.31- 2.27)
2	LEE 4		f	s	m	n	2	2	-	-	-	-	0.92 (0.51- 1.65)
Subtotal 2													0.90 (0.54- 1.49)
*13	WHINCU 8		m	c	c	b	4	16	-	-	-	-	1.54 (0.68- 3.47)
Partial Totals									0	0	0	0	
*prospective study													

Asia

| | | | | | | | | | Numbers exposed | | Non-exposed | | | |
| | | | | | | | | | Numbers | | | | | |
StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Case	Cont	Case	Cont	RR	95.00%CI
*10	YAMADA 2		m	t	e	f	2	1	-	-	-	-	1.13 (0.19- 6.85)
*10	YAMADA 1		f	t	e	f	2	1	-	-	-	-	0.94 (0.57- 1.55)
Subtotal 10													0.95 (0.59- 1.54)
14	MCGHEE 1		m	h	p	f	2	2	-	-	-	-	1.31 (0.87- 1.99)
14	MCGHEE 2		f	h	p	f	2	2	-	-	-	-	1.57 (1.11- 2.24)
Subtotal 14													1.46 (1.11- 1.90)
*15	ZHANG 6		f	s	e	n	2	14	-	-	-	-	1.27 (1.05- 1.54)
Partial Totals									0	0	0	0	
*prospective study													

Other

| | | | | | | | | | Numbers exposed | | Non-exposed | | | |
| | | | | | | | | | Numbers | | | | | |
StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Case	Cont	Case	Cont	RR	95.00%CI
4	DONNAN 1		c	s	e	b	2	3	-	-	-	-	1.60 (0.60- 3.90)
7	BONITA 4		m	2	t	b	2	4	-	-	-	-	2.10 (1.33- 3.32)
7	BONITA 5		f	2	t	b	2	4	-	-	-	-	1.66 (1.07- 2.57)
Subtotal 7													1.83 (1.36- 2.47)
8	YOU 8		c	s	e	n	2	5	-	-	-	-	1.70 (0.98- 2.92)
11	ANDERS 7		m	h	e	b	2	8	-	-	-	-	0.50 (0.20- 1.30)
11	ANDERS 6		f	h	e	b	2	8	-	-	-	-	1.30 (0.70- 2.30)
Subtotal 11													0.99 (0.60- 1.63)
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), home/work (2), cotinine (c)
2) TIM Time of exposure = ever (e), during marriage (m), in the past (p), in last 5 (x) or 10 (t) years, current (c)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

Table 19
ETS and Stroke - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 27-JUN-05
By continent - adjusted

		NAmerica	Europe	Asia	Other	Total
Relative risks						
	N	7	5	5	6	23
	NS	4	3	3	4	14
	Wt	262.48	22.49	174.92	70.89	530.79
Het	Chi	5.85	2.64	2.79	7.82	25.95
Het	df	6	4	4	5	22
Het	P	N.S.	N.S.	N.S.	N.S.	N.S.
Fixed	RR	1.15	1.02	1.29	1.58	1.24
	RRl	1.02	0.68	1.11	1.25	1.14
	RRu	1.30	1.54	1.49	2.00	1.35
	P	+	N.S.	+++	+++	+++
Random	RR	1.15	1.02	1.29	1.52	1.23
	RRl	1.02	0.68	1.11	1.12	1.11
	RRu	1.30	1.54	1.49	2.06	1.37
	P	+	N.S.	+++	++	+++
Asymm	P	*	N.S.	N.S.	N.S.	N.S.
Between	Chi		0.28	1.41	5.72	6.85
Between	df		1	1	1	3
Between	P		N.S.	N.S.	+	(*)

Within each study, results are included (in the following order of preference) for:
1) EXP Exposure = spouse (s), household (h), total (t), home/work (2), cotinine (c)
2) TIM Time of exposure = ever (e), during marriage (m), in the past (p), in last 5 (x) or 10 (t) years, current (c)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

Overall

```
                                                 Numbers
                                                 Numbers exposed Non-exposed
  StN      Ref    NRR     SEX EXP TIM TYP UNX ADJ  Case   Cont    Case   Cont       RR       95.00%CI
 *1       GILLIS 1        m   h   x   f   2   1     -      -       -      -        0.33 (  0.04-   2.84)
 *1       GILLIS 2        f   h   x   f   2   1     -      -       -      -        1.88 (  0.22-  16.02)
  Subtotal 1                                                                      0.78 (  0.17-   3.55)
  2       LEE    21       m   4   c   n   2   1     -      -       -      -        1.35 (  0.44-   4.12)
  2       LEE    22       f   4   c   n   2   1     -      -       -      -        1.19 (  0.57-   2.50)
  Subtotal 2                                                                      1.24 (  0.67-   2.29)
  4       DONNAN 1        c   s   e   b   2   3     -      -       -      -        1.60 (  0.60-   3.90)
 *5       SANDLE 2        m   h   e   f   2   4     -      -       -      -        0.97 (  0.65-   1.46)
 *5       SANDLE 4        f   h   e   f   2   4     -      -       -      -        1.24 (  1.03-   1.49)
  Subtotal 5                                                                      1.19 (  1.00-   1.41)
  6       HOWARD 2        c   t   c   n   2   10    -      -       -      -        1.06 (  0.64-   1.75)
  7       BONITA 4        m   2   t   b   2   4     -      -       -      -        2.10 (  1.33-   3.32)
  7       BONITA 5        f   2   t   b   2   4     -      -       -      -        1.66 (  1.07-   2.57)
  Subtotal 7                                                                      1.86 (  1.35-   2.55)
  8       YOU    8        c   s   e   n   2   5     -      -       -      -        1.70 (  0.98-   2.92)
  9       IRIBA1 7        m   t   c   n   2   11    -      -       -      -        0.27 (  0.11-   0.57)
  9       IRIBA1 15       f   t   c   n   2   11    -      -       -      -        0.89 (  0.57-   1.38)
  Subtotal 9                                                                      0.68 (  0.46-   1.01)
 *10      YAMADA 2        m   t   e   f   2   1     -      -       -      -        1.13 (  0.19-   6.85)
 *10      YAMADA 1        f   t   e   f   2   1     -      -       -      -        0.94 (  0.57-   1.55)
  Subtotal 10                                                                     0.95 (  0.59-   1.54)
  11      ANDERS 7        m   h   e   b   2   8     -      -       -      -        0.50 (  0.20-   1.30)
  11      ANDERS 6        f   h   e   b   2   8     -      -       -      -        1.30 (  0.70-   2.30)
  Subtotal 11                                                                     0.99 (  0.60-   1.63)
 *12      IRIBA2 27       m   h   c   b   2   10    -      -       -      -        1.02 (  0.71-   1.48)
 *12      IRIBA2 39       f   h   c   b   2   10    -      -       -      -        1.17 (  0.92-   1.50)
  Subtotal 12                                                                     1.12 (  0.92-   1.37)
 *13      WHINCU 8        m   c   c   b   4   16    -      -       -      -        1.54 (  0.68-   3.47)
  14      MCGHEE 1        m   h   p   f   2   2     -      -       -      -        1.31 (  0.87-   1.99)
  14      MCGHEE 2        f   h   p   f   2   2     -      -       -      -        1.57 (  1.11-   2.24)
  Subtotal 14                                                                     1.46 (  1.11-   1.90)
 *15      ZHANG  22       f   s   c   n   2   14    -      -       -      -        1.44 (  1.20-   1.72)
 Partial Totals                                    0      0       0      0
 *prospective study

  StN      Ref    NRR     SEX EXP TIM TYP UNX ADJ       Ys      Ws      Qs      Ps

 *1       GILLIS 1        m   h   x   f   2   1       -1.11    0.85    1.51    0.3080
 *1       GILLIS 2        f   h   x   f   2   1        0.63    0.84    0.14    0.5639
  Subtotal 1                                          -0.93    1.68    1.65
  2       LEE    21       m   4   c   n   2   1        0.30    3.07    0.02    0.5989
  2       LEE    22       f   4   c   n   2   1        0.17    7.03    0.02    0.6446
  Subtotal 2                                           0.02   10.10    0.04
  4       DONNAN 1        c   s   e   b   2   3        0.47    4.39    0.26    0.3250
 *5       SANDLE 2        m   h   e   f   2   4       -0.03   23.47    1.57    0.8827
 *5       SANDLE 4        f   h   e   f   2   4        0.22  112.72    0.02    0.0224
  Subtotal 5                                          -0.27  136.18    1.59
  6       HOWARD 2        c   t   c   n   2   10       0.06   15.19    0.44    0.8204
  7       BONITA 4        m   2   t   b   2   4        0.74   18.36    4.85    0.0015
  7       BONITA 5        f   2   t   b   2   4        0.51   20.01    1.56    0.0234
  Subtotal 7                                           0.79   38.37    6.41
  8       YOU    8        c   s   e   n   2   5        0.53   12.89    1.18    0.0568
  9       IRIBA1 7        m   t   c   n   2   11      -1.31    5.68   13.42    0.0018
  9       IRIBA1 15       f   t   c   n   2   11      -0.12   19.65    2.33    0.6054
  Subtotal 9                                          -1.88   25.33   15.75
 *10      YAMADA 2        m   t   e   f   2   1        0.12    1.20    0.01    0.8937
 *10      YAMADA 1        f   t   e   f   2   1       -0.06   15.35    1.29    0.8084
  Subtotal 10                                         -0.40   16.55    1.30
  11      ANDERS 7        m   h   e   b   2   8       -0.69    4.39    3.72    0.1466
  11      ANDERS 6        f   h   e   b   2   8        0.26   10.86    0.01    0.3873
  Subtotal 11                                         -0.89   15.24    3.73
 *12      IRIBA2 27       m   h   c   b   2   10       0.02   28.48    1.23    0.9158
 *12      IRIBA2 39       f   h   c   b   2   10       0.16   64.30    0.32    0.2080
  Subtotal 12                                         -0.28   92.78    1.56
--------------------------------------------------------------------------------
```

Within each study, results are included (in the following order of preference) for:
1) EXP Exposure = total (t), home/work/travel/leisure (4), home/work (2), cotinine (c), spouse (s), household (h)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

```
                                        Table 20
              ETS and Stroke - Meta-Analysis of Total Exposure (or nearest equivalent), 27-JUN-05
                                     Overall - adjusted


Overall

 StN       Ref     NRR      SEX EXP TIM TYP UNX ADJ         Ys       Ws       Qs       Ps
*13       WHINCU 8         m   c   c   b   4   16         0.43     5.78     0.24     0.2990
 14       MCGHEE 1         m   h   p   f   2   2          0.27    22.45     0.04     0.2008
 14       MCGHEE 2         f   h   p   f   2   2          0.45    31.17     1.55     0.0118
 Subtotal 14                                             0.27    53.62     1.59
*15       ZHANG  22        f   s   c   n   2   14         0.36   118.56     2.22     0.0001

Relative risks


                          N       23
                         NS       14


                         Wt   546.67
                    Het Chi    37.94
                    Het  df       22
                    Het  P        *
                  Fixed  RR     1.26
                         RRl    1.16
                         RRu    1.37
                         P      +++
                 Random  RR     1.22
                         RRl    1.07
                         RRu    1.38
                         P      ++
                  Asymm  P      N.S.
```

Within each study, results are included (in the following order of preference) for:
1) EXP Exposure = total (t), home/work/travel/leisure (4), home/work (2), cotinine (c), spouse (s), household (h)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

Table 21

ETS and Stroke - Meta-Analysis of Total Exposure (or nearest equivalent), 27-JUN-05
Overall - age-adjusted

Overall

```
                                             Numbers
                                             Numbers exposed Non-exposed
 StN      Ref     NRR     SEX EXP TIM TYP UNX ADJ Case   Cont   Case   Cont    RR       95.00%CI
*1        GILLIS 1        m   h   x   f   2   1    -      -      -      -      0.33 (  0.04-   2.84)
*1        GILLIS 2        f   h   x   f   2   1    -      -      -      -      1.88 (  0.22-  16.02)
 Subtotal 1                                                                   0.78 (  0.17-   3.55)
 2        LEE    21       m   4   c   n   2   1    -      -      -      -      1.35 (  0.44-   4.12)
 2        LEE    22       f   4   c   n   2   1    -      -      -      -      1.19 (  0.57-   2.50)
 Subtotal 2                                                                   1.24 (  0.67-   2.29)
 4        DONNAN 1        c   s   e   b   2   3    -      -      -      -      1.60 (  0.60-   3.90)
*5        SANDLE 2        m   h   e   f   2   4    -      -      -      -      0.97 (  0.65-   1.46)
*5        SANDLE 4        f   h   e   f   2   4    -      -      -      -      1.24 (  1.03-   1.49)
 Subtotal 5                                                                   1.19 (  1.00-   1.41)
 6        HOWARD 1        c   t   c   n   2   2    -      -      -      -      1.03 (  0.63-   1.67)
 7        BONITA 1        m   2   t   b   2   1    -      -      -      -      2.06 (  1.34-   3.17)
 7        BONITA 2        f   2   t   b   2   1    -      -      -      -      1.50 (  1.01-   2.21)
 Subtotal 7                                                                   1.73 (  1.30-   2.31)
 8        YOU    8        c   s   e   n   2   5    -      -      -      -      1.70 (  0.98-   2.92)
 9        IRIBA1 7        m   t   c   n   2   11   -      -      -      -      0.27 (  0.11-   0.57)
 9        IRIBA1 15       f   t   c   n   2   11   -      -      -      -      0.89 (  0.57-   1.38)
 Subtotal 9                                                                   0.68 (  0.46-   1.01)
*10       YAMADA 2        m   t   e   f   2   1    -      -      -      -      1.13 (  0.19-   6.85)
*10       YAMADA 1        f   t   e   f   2   1    -      -      -      -      0.94 (  0.57-   1.55)
 Subtotal 10                                                                  0.95 (  0.59-   1.54)
 11       ANDERS 7        m   h   e   b   2   8    -      -      -      -      0.50 (  0.20-   1.30)
 11       ANDERS 6        f   h   e   b   2   8    -      -      -      -      1.30 (  0.70-   2.30)
 Subtotal 11                                                                  0.99 (  0.60-   1.63)
*12       IRIBA2 3        m   h   c   b   2   1    -      -      -      -      1.12 (  0.78-   1.60)
*12       IRIBA2 15       f   h   c   b   2   1    -      -      -      -      1.23 (  0.97-   1.57)
 Subtotal 12                                                                  1.19 (  0.98-   1.46)
*13       WHINCU 4        m   c   c   b   4   2    -      -      -      -      0.96 (  0.49-   1.89)
 14       MCGHEE 1        m   h   p   f   2   2    -      -      -      -      1.31 (  0.87-   1.99)
 14       MCGHEE 2        f   h   p   f   2   2    -      -      -      -      1.57 (  1.11-   2.24)
 Subtotal 14                                                                  1.46 (  1.11-   1.90)
*15       ZHANG  33       f   s   c   n   2   1    -      -      -      -      1.46 (  1.23-   1.72)
Partial Totals                                        0      0      0      0
*prospective study

 StN      Ref     NRR     SEX EXP TIM TYP UNX ADJ        Ys       Ws       Qs       Ps

*1        GILLIS 1        m   h   x   f   2   1        -1.11     0.85     1.53    0.3080
*1        GILLIS 2        f   h   x   f   2   1         0.63     0.84     0.13    0.5639
 Subtotal 1                                            -0.95     1.68     1.66
 2        LEE    21       m   4   c   n   2   1         0.30     3.07     0.01    0.5989
 2        LEE    22       f   4   c   n   2   1         0.17     7.03     0.03    0.6446
 Subtotal 2                                            -0.00    10.10     0.04
 4        DONNAN 1        c   s   e   b   2   3         0.47     4.39     0.24    0.3250
*5        SANDLE 2        m   h   e   f   2   4        -0.03    23.47     1.69    0.8827
*5        SANDLE 4        f   h   e   f   2   4         0.22   112.72     0.06    0.0224
 Subtotal 5                                            -0.29   136.18     1.75
 6        HOWARD 1        c   t   c   n   2   2         0.03    16.17     0.70    0.9054
 7        BONITA 1        m   2   t   b   2   1         0.72    20.72     4.87    0.0010
 7        BONITA 2        f   2   t   b   2   1         0.41    25.06     0.71    0.0424
 Subtotal 7                                             0.65    45.78     5.58
 8        YOU    8        c   s   e   n   2   5         0.53    12.89     1.11    0.0568
 9        IRIBA1 7        m   t   c   n   2   11       -1.31     5.68    13.59    0.0018
 9        IRIBA1 15       f   t   c   n   2   11       -0.12    19.65     2.47    0.6054
 Subtotal 9                                            -1.90    25.33    16.05
*10       YAMADA 2        m   t   e   f   2   1         0.12     1.20     0.02    0.8937
*10       YAMADA 1        f   t   e   f   2   1        -0.06    15.35     1.38    0.8084
 Subtotal 10                                           -0.42    16.55     1.39
 11       ANDERS 7        m   h   e   b   2   8        -0.69     4.39     3.80    0.1466
 11       ANDERS 6        f   h   e   b   2   8         0.26    10.86     0.01    0.3873
 Subtotal 11                                           -0.91    15.24     3.81
*12       IRIBA2 3        m   h   c   b   2   1         0.11    29.77     0.46    0.5364
*12       IRIBA2 15       f   h   c   b   2   1         0.21    66.27     0.06    0.0920
 Subtotal 12                                           -0.16    96.04     0.52
```

Within each study, results are included (in the following order of preference) for:
1) EXP Exposure = total (t), home/work/travel/leisure (4), home/work (2), cotinine (c), spouse (s), household (h)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

Table 21
ETS and Stroke - Meta-Analysis of Total Exposure (or nearest equivalent), 27-JUN-05
Overall - age-adjusted

Overall

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Ys	Ws	Qs	Ps
*13	WHINCU	4	m	c	c	b	4	2	-0.04	8.43	0.65	0.9056
14	MCGHEE	1	m	h	p	f	2	2	0.27	22.45	0.02	0.2008
14	MCGHEE	2	f	h	p	f	2	2	0.45	31.17	1.42	0.0118
Subtotal 14									0.25	53.62	1.44	
*15	ZHANG	33	f	s	c	n	2	1	0.38	136.67	2.71	0.0000

Relative risks

```
            N      23
           NS      14


           Wt  579.07
      Het Chi   37.65
      Het  df      22
      Het  P        *
    Fixed  RR    1.27
           RRl   1.17
           RRu   1.38
             P    +++
   Random  RR    1.21
           RRl   1.07
           RRu   1.38
             P     ++
    Asymm  P      (*)
```

Within each study, results are included (in the following order of preference) for:
1) EXP Exposure = total (t), home/work/travel/leisure (4), home/work (2), cotinine (c), spouse (s), household (h)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

```
                                      Table 22
               ETS and Stroke - Meta-Analysis of Total Exposure (or nearest equivalent), 27-JUN-05
                                    By sex - adjusted


combined
                                                            Numbers
                                                            Numbers exposed Non-exposed
    StN      Ref    NRR      SEX EXP TIM TYP UNX ADJ        Case   Cont  Case   Cont     RR        95.00%CI
     4     DONNAN 1          c   s   e   b   2   3           -      -     -      -      1.60 (  0.60-   3.90)
     6     HOWARD 2          c   t   c   n   2   10          -      -     -      -      1.06 (  0.64-   1.75)
     8     YOU    8          c   s   e   n   2   5           -      -     -      -      1.70 (  0.98-   2.92)
Partial Totals                                              0      0     0      0
*prospective study


male
                                                            Numbers
                                                            Numbers exposed Non-exposed
    StN      Ref    NRR      SEX EXP TIM TYP UNX ADJ        Case   Cont  Case   Cont     RR        95.00%CI

    *1     GILLIS 1          m   h   x   f   2   1           -      -     -      -      0.33 (  0.04-   2.84)
     2     LEE    21         m   4   c   n   2   1           -      -     -      -      1.35 (  0.44-   4.12)
    *5     SANDLE 2          m   h   e   f   2   4           -      -     -      -      0.97 (  0.65-   1.46)
     7     BONITA 4          m   2   t   b   2   4           -      -     -      -      2.10 (  1.33-   3.32)
     9     IRIBA1 7          m   t   c   n   2   11          -      -     -      -      0.27 (  0.11-   0.57)
   *10     YAMADA 2          m   t   e   f   2   1           -      -     -      -      1.13 (  0.19-   6.85)
    11     ANDERS 7          m   h   e   b   2   8           -      -     -      -      0.50 (  0.20-   1.30)
   *12     IRIBA2 27         m   h   c   b   2   10          -      -     -      -      1.02 (  0.71-   1.48)
   *13     WHINCU 8          m   c   c   b   4   16          -      -     -      -      1.54 (  0.68-   3.47)
    14     MCGHEE 1          m   h   p   f   2   2           -      -     -      -      1.31 (  0.87-   1.99)
Partial Totals                                              0      0     0      0
*prospective study


female
                                                            Numbers
                                                            Numbers exposed Non-exposed
    StN      Ref    NRR      SEX EXP TIM TYP UNX ADJ        Case   Cont  Case   Cont     RR        95.00%CI

    *1     GILLIS 2          f   h   x   f   2   1           -      -     -      -      1.88 (  0.22-  16.02)
     2     LEE    22         f   4   c   n   2   1           -      -     -      -      1.19 (  0.57-   2.50)
    *5     SANDLE 4          f   h   e   f   2   4           -      -     -      -      1.24 (  1.03-   1.49)
     7     BONITA 5          f   2   t   b   2   4           -      -     -      -      1.66 (  1.07-   2.57)
     9     IRIBA1 15         f   t   c   n   2   11          -      -     -      -      0.89 (  0.57-   1.38)
   *10     YAMADA 1          f   t   e   f   2   1           -      -     -      -      0.94 (  0.57-   1.55)
    11     ANDERS 6          f   h   e   b   2   8           -      -     -      -      1.30 (  0.70-   2.30)
   *12     IRIBA2 39         f   h   c   b   2   10          -      -     -      -      1.17 (  0.92-   1.50)
    14     MCGHEE 2          f   h   p   f   2   2           -      -     -      -      1.57 (  1.11-   2.24)
   *15     ZHANG  22         f   s   c   n   2   14          -      -     -      -      1.44 (  1.20-   1.72)
Partial Totals                                              0      0     0      0
*prospective study

                                  combined      male      female      Total
Relative risks


                              N        3          10         10          23
                              NS       3          10         10          23


                              Wt     32.46     113.71     400.49     546.67
                          Het Chi     1.70      24.83       9.11      37.94
                          Het  df        2          9          9         22
                          Het   P    N.S.         **       N.S.          *
                        Fixed  RR     1.35       1.11       1.29       1.26
                              RRl     0.96       0.92       1.17       1.16
                              RRu     1.91       1.33       1.43       1.37
                                P     (+)       N.S.        +++        +++
                        Random RR     1.35       1.01       1.29       1.22
                              RRl     0.96       0.71       1.17       1.07
                              RRu     1.91       1.43       1.43       1.38
                                P     (+)       N.S.        +++         ++
                        Asymm  P     N.S.       N.S.       N.S.       N.S.
                        Between Chi   1.00       0.06       2.31
--------------------------------------------------------------------------------
Within each study, results are included (in the following order of preference) for:
1) EXP Exposure = total (t), home/work/travel/leisure (4), home/work (2), cotinine (c), spouse (s), household (h)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)
```

```
                                              Table 22
                  ETS and Stroke - Meta-Analysis of Total Exposure (or nearest equivalent), 27-JUN-05
                                           By sex - adjusted

                          combined         male       female        Total


Relative risks
                    Between  df               1            1            2
                    Between  P             N.S.         N.S.         N.S.
```

                                              Table 22

```
                                    Table 23
             ETS and Stroke - Meta-Analysis of Total Exposure (or nearest equivalent), 27-JUN-05
                                 By sex - age-adjusted


combined
                                                          Numbers
                                                          Numbers exposed Non-exposed
  StN        Ref     NRR      SEX EXP TIM TYP UNX ADJ     Case    Cont    Case    Cont     RR       95.00%CI
   4       DONNAN 1          c   s   e   b   2   3        -       -       -       -       1.60 ( 0.60-  3.90)
   6       HOWARD 1          c   t   c   n   2   2        -       -       -       -       1.03 ( 0.63-  1.67)
   8       YOU    8          c   s   e   n   2   5        -       -       -       -       1.70 ( 0.98-  2.92)
Partial Totals                                           0       0       0       0
*prospective study


male
                                                          Numbers
                                                          Numbers exposed Non-exposed
  StN        Ref     NRR      SEX EXP TIM TYP UNX ADJ     Case    Cont    Case    Cont     RR       95.00%CI

 *1        GILLIS 1          m   h   x   f   2   1        -       -       -       -       0.33 ( 0.04-  2.84)
  2        LEE    21         m   4   c   n   2   1        -       -       -       -       1.35 ( 0.44-  4.12)
 *5        SANDLE 2          m   h   e   f   2   4        -       -       -       -       0.97 ( 0.65-  1.46)
  7        BONITA 1          m   2   t   b   2   1        -       -       -       -       2.06 ( 1.34-  3.17)
  9        IRIBA1 7          m   t   c   n   2   11       -       -       -       -       0.27 ( 0.11-  0.57)
*10        YAMADA 2          m   t   e   f   2   1        -       -       -       -       1.13 ( 0.19-  6.85)
 11        ANDERS 7          m   h   e   b   2   8        -       -       -       -       0.50 ( 0.20-  1.30)
*12        IRIBA2 3          m   h   c   b   2   1        -       -       -       -       1.12 ( 0.78-  1.60)
*13        WHINCU 4          m   c   c   b   4   2        -       -       -       -       0.96 ( 0.49-  1.89)
 14        MCGHEE 1          m   h   p   f   2   2        -       -       -       -       1.31 ( 0.87-  1.99)
Partial Totals                                           0       0       0       0
*prospective study


female
                                                          Numbers
                                                          Numbers exposed Non-exposed
  StN        Ref     NRR      SEX EXP TIM TYP UNX ADJ     Case    Cont    Case    Cont     RR       95.00%CI

 *1        GILLIS 2          f   h   x   f   2   1        -       -       -       -       1.88 ( 0.22- 16.02)
  2        LEE    22         f   4   c   n   2   1        -       -       -       -       1.19 ( 0.57-  2.50)
 *5        SANDLE 4          f   h   e   f   2   4        -       -       -       -       1.24 ( 1.03-  1.49)
  7        BONITA 2          f   2   t   b   2   1        -       -       -       -       1.50 ( 1.01-  2.21)
  9        IRIBA1 15         f   t   c   n   2   11       -       -       -       -       0.89 ( 0.57-  1.38)
*10        YAMADA 1          f   t   e   f   2   1        -       -       -       -       0.94 ( 0.57-  1.55)
 11        ANDERS 6          f   h   e   b   2   8        -       -       -       -       1.30 ( 0.70-  2.30)
*12        IRIBA2 15         f   h   c   b   2   1        -       -       -       -       1.23 ( 0.97-  1.57)
 14        MCGHEE 2          f   h   p   f   2   2        -       -       -       -       1.57 ( 1.11-  2.24)
*15        ZHANG  33         f   s   c   n   2   1        -       -       -       -       1.46 ( 1.23-  1.72)
Partial Totals                                           0       0       0       0
*prospective study

                               combined       male       female       Total
Relative risks


                          N        3          10           10           23
                          NS       3          10           10           23


                    Wt    33.45     120.01      425.61       579.07
                Het Chi    1.98      24.64        8.49        37.65
                Het  df       2          9           9           22
                Het  P     N.S.        **        N.S.           *
                Fixed RR   1.32       1.11        1.31         1.27
                    RRl    0.94       0.93        1.19         1.17
                    RRu    1.86       1.33        1.44         1.38
                      P    N.S.      N.S.         +++          +++
                Random RR  1.32       0.98        1.31         1.21
                    RRl    0.94       0.70        1.19         1.07
                    RRu    1.86       1.38        1.44         1.38
                      P    N.S.      N.S.         +++          ++
                Asymm  P   N.S.      N.S.        N.S.          (*)
                Between Chi           0.77        0.00         2.53
--------------------------------------------------------------------------------
Within each study, results are included (in the following order of preference) for:
1) EXP Exposure = total (t), home/work/travel/leisure (4), home/work (2), cotinine (c), spouse (s), household (h)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)
```

```
                                        Table 23
           ETS and Stroke - Meta-Analysis of Total Exposure (or nearest equivalent), 27-JUN-05
                                   By sex - age-adjusted

                      combined        male       female       Total


Relative risks
                 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 = total (t), home/work/travel/leisure (4), home/work (2), cotinine (c), spouse (s), household (h)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

Table 24
ETS and Stroke - Meta-Analysis of Total Exposure (or nearest equivalent), 27-JUN-05
By source of exposure - adjusted

spouse

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers exposed Case	Cont	Non-exposed Case	Cont	RR	95.00%CI
4	DONNAN	1	c	s	e	b	2	3	-	-	-	-	1.60 (	0.60- 3.90)
8	YOU	8	c	s	e	n	2	5	-	-	-	-	1.70 (	0.98- 2.92)
*15	ZHANG	22	f	s	c	n	2	14	-	-	-	-	1.44 (	1.20- 1.72)
Partial Totals									0	0	0	0		

*prospective study

total

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers exposed Case	Cont	Non-exposed Case	Cont	RR	95.00%CI
2	LEE	21	m	4	c	n	2	1	-	-	-	-	1.35 (	0.44- 4.12)
2	LEE	22	f	4	c	n	2	1	-	-	-	-	1.19 (	0.57- 2.50)
Subtotal 2													1.24 (	0.67- 2.29)
6	HOWARD	2	c	t	c	n	2	10	-	-	-	-	1.06 (	0.64- 1.75)
7	BONITA	4	m	2	t	b	2	4	-	-	-	-	2.10 (	1.33- 3.32)
7	BONITA	5	f	2	t	b	2	4	-	-	-	-	1.66 (	1.07- 2.57)
Subtotal 7													1.86 (	1.35- 2.55)
9	IRIBA1	7	m	t	c	n	2	11	-	-	-	-	0.27 (	0.11- 0.57)
9	IRIBA1	15	f	t	c	n	2	11	-	-	-	-	0.89 (	0.57- 1.38)
Subtotal 9													0.68 (	0.46- 1.01)
*10	YAMADA	2	m	t	e	f	2	1	-	-	-	-	1.13 (	0.19- 6.85)
*10	YAMADA	1	f	t	e	f	2	1	-	-	-	-	0.94 (	0.57- 1.55)
Subtotal 10													0.95 (	0.59- 1.54)
*13	WHINCU	8	m	c	c	b	4	16	-	-	-	-	1.54 (	0.68- 3.47)
Partial Totals									0	0	0	0		

*prospective study

househ

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers exposed Case	Cont	Non-exposed Case	Cont	RR	95.00%CI
*1	GILLIS	1	m	h	x	f	2	1	-	-	-	-	0.33 (	0.04- 2.84)
*1	GILLIS	2	f	h	x	f	2	1	-	-	-	-	1.88 (	0.22- 16.02)
Subtotal 1													0.78 (	0.17- 3.55)
*5	SANDLE	2	m	h	e	f	2	4	-	-	-	-	0.97 (	0.65- 1.46)
*5	SANDLE	4	f	h	e	f	2	4	-	-	-	-	1.24 (	1.03- 1.49)
Subtotal 5													1.19 (	1.00- 1.41)
11	ANDERS	7	m	h	e	b	2	8	-	-	-	-	0.50 (	0.20- 1.30)
11	ANDERS	6	f	h	e	b	2	8	-	-	-	-	1.30 (	0.70- 2.30)
Subtotal 11													0.99 (	0.60- 1.63)
*12	IRIBA2	27	m	h	c	b	2	10	-	-	-	-	1.02 (	0.71- 1.48)
*12	IRIBA2	39	f	h	c	b	2	10	-	-	-	-	1.17 (	0.92- 1.50)
Subtotal 12													1.12 (	0.92- 1.37)
14	MCGHEE	1	m	h	p	f	2	2	-	-	-	-	1.31 (	0.87- 1.99)
14	MCGHEE	2	f	h	p	f	2	2	-	-	-	-	1.57 (	1.11- 2.24)
Subtotal 14													1.46 (	1.11- 1.90)
Partial Totals									0	0	0	0		

*prospective study

Within each study, results are included (in the following order of preference) for:
1) EXP Exposure = total (t), home/work/travel/leisure (4), home/work (2), cotinine (c), spouse (s), household (h)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

```
                                    Table 24
            ETS and Stroke - Meta-Analysis of Total Exposure (or nearest equivalent), 27-JUN-05
                            By source of exposure - adjusted

                        spouse        total        househ         Total


Relative risks


                   N        3           10            10            23
                  NS        3            6             5            14


                  Wt   135.84       111.33        299.50        546.67
         Het Chi      0.35         23.78          9.41         37.94
         Het  df         2             9             9            22
         Het  P       N.S.           **          N.S.             *
         Fixed RR     1.47          1.18          1.20          1.26
               RRl    1.24          0.98          1.07          1.16
               RRu    1.74          1.43          1.34          1.37
               P       +++           (+)           ++           +++
         Random RR    1.47          1.12          1.19          1.22
               RRl    1.24          0.81          1.06          1.07
               RRu    1.74          1.55          1.35          1.38
               P       +++          N.S.           ++            ++
         Asymm P      N.S.          N.S.          N.S.          N.S.
         Between Chi                2.83          3.91          4.40
         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 = total (t), home/work/travel/leisure (4), home/work (2), cotinine (c), spouse (s), household (h)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

```
                                                    Table 25
                    ETS and Stroke - Meta-Analysis of Total Exposure (or nearest equivalent), 27-JUN-05
                                              By continent - adjusted


NAmerica
                                                                    Numbers
                                                                    Numbers  exposed Non-exposed
  StN      Ref      NRR      SEX EXP TIM TYP UNX ADJ                 Case     Cont    Case    Cont      RR        95.00%CI
 *5       SANDLE 2           m   h   e   f   2   4                    -        -       -       -        0.97 (  0.65-   1.46)
 *5       SANDLE 4           f   h   e   f   2   4                    -        -       -       -        1.24 (  1.03-   1.49)
  Subtotal 5                                                                                           1.19 (  1.00-   1.41)
  6       HOWARD 2           c   t   c   n   2   10                   -        -       -       -        1.06 (  0.64-   1.75)
  9       IRIBA1 7           m   t   c   n   2   11                   -        -       -       -        0.27 (  0.11-   0.57)
  9       IRIBA1 15          f   t   c   n   2   11                   -        -       -       -        0.89 (  0.57-   1.38)
  Subtotal 9                                                                                           0.68 (  0.46-   1.01)
 *12      IRIBA2 27          m   h   c   b   2   10                   -        -       -       -        1.02 (  0.71-   1.48)
 *12      IRIBA2 39          f   h   c   b   2   10                   -        -       -       -        1.17 (  0.92-   1.50)
  Subtotal 12                                                                                          1.12 (  0.92-   1.37)
 Partial Totals                                                      0        0       0       0
 *prospective study


Europe
                                                                    Numbers
                                                                    Numbers  exposed Non-exposed
  StN      Ref      NRR      SEX EXP TIM TYP UNX ADJ                 Case     Cont    Case    Cont      RR        95.00%CI

 *1       GILLIS 1           m   h   x   f   2   1                    -        -       -       -        0.33 (  0.04-   2.84)
 *1       GILLIS 2           f   h   x   f   2   1                    -        -       -       -        1.88 (  0.22-  16.02)
  Subtotal 1                                                                                           0.78 (  0.17-   3.55)
  2       LEE      21        m   4   c   n   2   1                    -        -       -       -        1.35 (  0.44-   4.12)
  2       LEE      22        f   4   c   n   2   1                    -        -       -       -        1.19 (  0.57-   2.50)
  Subtotal 2                                                                                           1.24 (  0.67-   2.29)
 *13      WHINCU 8           m   c   c   b   4   16                   -        -       -       -        1.54 (  0.68-   3.47)
 Partial Totals                                                      0        0       0       0
 *prospective study


Asia
                                                                    Numbers
                                                                    Numbers  exposed Non-exposed
  StN      Ref      NRR      SEX EXP TIM TYP UNX ADJ                 Case     Cont    Case    Cont      RR        95.00%CI

 *10      YAMADA 2           m   t   e   f   2   1                    -        -       -       -        1.13 (  0.19-   6.85)
 *10      YAMADA 1           f   t   e   f   2   1                    -        -       -       -        0.94 (  0.57-   1.55)
  Subtotal 10                                                                                          0.95 (  0.59-   1.54)
  14      MCGHEE 1           m   h   p   f   2   2                    -        -       -       -        1.31 (  0.87-   1.99)
  14      MCGHEE 2           f   h   p   f   2   2                    -        -       -       -        1.57 (  1.11-   2.24)
  Subtotal 14                                                                                          1.46 (  1.11-   1.90)
 *15      ZHANG  22          f   s   c   n   2   14                   -        -       -       -        1.44 (  1.20-   1.72)
 Partial Totals                                                      0        0       0       0
 *prospective study


Other
                                                                    Numbers
                                                                    Numbers  exposed Non-exposed
  StN      Ref      NRR      SEX EXP TIM TYP UNX ADJ                 Case     Cont    Case    Cont      RR        95.00%CI

  4       DONNAN 1           c   s   e   b   2   3                    -        -       -       -        1.60 (  0.60-   3.90)
  7       BONITA 4           m   2   t   b   2   4                    -        -       -       -        2.10 (  1.33-   3.32)
  7       BONITA 5           f   2   t   b   2   4                    -        -       -       -        1.66 (  1.07-   2.57)
  Subtotal 7                                                                                           1.83 (  1.36-   2.47)
  8       YOU      8         c   s   e   n   2   5                    -        -       -       -        1.70 (  0.98-   2.92)
  11      ANDERS 7           m   h   e   b   2   8                    -        -       -       -        0.50 (  0.20-   1.30)
  11      ANDERS 6           f   h   e   b   2   8                    -        -       -       -        1.30 (  0.70-   2.30)
  Subtotal 11                                                                                          0.99 (  0.60-   1.63)
 Partial Totals                                                      0        0       0       0
 *prospective study





--------------------------------------------------------------------------------
Within each study, results are included (in the following order of preference) for:
1) EXP Exposure = total (t), home/work/travel/leisure (4), home/work (2), cotinine (c), spouse (s), household (h)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)
```

```
                                      Table 25
          ETS and Stroke - Meta-Analysis of Total Exposure (or nearest equivalent), 27-JUN-05
                                By continent - adjusted

                    NAmerica      Europe       Asia       Other       Total


Relative risks


                 N       7           5           5           6          23
                NS       4           3           3           4          14


                Wt  269.48       17.57      188.73       70.89      546.67
         Het Chi   14.50         1.92        3.09        7.82       37.94
         Het  df       6           4           4           5          22
         Het  P        *         N.S.        N.S.        N.S.          *
         Fixed RR    1.10         1.27        1.39        1.58        1.26
               RRl   0.98         0.80        1.21        1.25        1.16
               RRu   1.24         2.03        1.61        2.00        1.37
               P     N.S.         N.S.         +++         +++         +++
         Random RR   1.00         1.27        1.39        1.52        1.22
               RRl   0.81         0.80        1.21        1.12        1.07
               RRu   1.24         2.03        1.61        2.06        1.38
               P     N.S.         N.S.         +++          ++          ++
         Asymm P      *          N.S.        N.S.        N.S.        N.S.
         Between Chi              0.36        6.25        7.44       10.61
         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 = total (t), home/work/travel/leisure (4), home/work (2), cotinine (c), spouse (s), household (h)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

```
                                                  Table 26
                  ETS and Stroke - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 27-JUN-05
                                   Excluding studies of silent cerebral infarction
                                             Overall - adjusted


Overall
                                                           Numbers
                                                           Numbers exposed Non-exposed
   StN      Ref     NRR       SEX EXP TIM TYP UNX ADJ      Case    Cont    Case    Cont      RR        95.00%CI
  *1        GILLIS 1          m   h   x   f   2   1          -       -       -       -      0.33 (  0.04-   2.84)
  *1        GILLIS 2          f   h   x   f   2   1          -       -       -       -      1.88 (  0.22-  16.02)
   Subtotal 1                                                                              0.78 (  0.17-   3.55)
   2        LEE    2          m   s   m   n   2   2          -       -       -       -      0.84 (  0.31-   2.27)
   2        LEE    4          f   s   m   n   2   2          -       -       -       -      0.92 (  0.51-   1.65)
   Subtotal 2                                                                              0.90 (  0.54-   1.49)
   4        DONNAN 1          c   s   e   b   2   3          -       -       -       -      1.60 (  0.60-   3.90)
  *5        SANDLE 2          m   h   e   f   2   4          -       -       -       -      0.97 (  0.65-   1.46)
  *5        SANDLE 4          f   h   e   f   2   4          -       -       -       -      1.24 (  1.03-   1.49)
   Subtotal 5                                                                              1.19 (  1.00-   1.41)
   7        BONITA 4          m   2   t   b   2   4          -       -       -       -      2.10 (  1.33-   3.32)
   7        BONITA 5          f   2   t   b   2   4          -       -       -       -      1.66 (  1.07-   2.57)
   Subtotal 7                                                                              1.86 (  1.35-   2.55)
   8        YOU    8          c   s   e   n   2   5          -       -       -       -      1.70 (  0.98-   2.92)
   9        IRIBA1 1          m   h   c   n   2   11         -       -       -       -      0.25 (  0.04-   0.82)
   9        IRIBA1 9          f   h   c   n   2   11         -       -       -       -      1.23 (  0.75-   1.96)
   Subtotal 9                                                                              1.06 (  0.67-   1.68)
  *10       YAMADA 2          m   t   e   f   2   1          -       -       -       -      1.13 (  0.19-   6.85)
  *10       YAMADA 1          f   t   e   f   2   1          -       -       -       -      0.94 (  0.57-   1.55)
   Subtotal 10                                                                             0.95 (  0.59-   1.54)
   11       ANDERS 7          m   h   e   b   2   8          -       -       -       -      0.50 (  0.20-   1.30)
   11       ANDERS 6          f   h   e   b   2   8          -       -       -       -      1.30 (  0.70-   2.30)
   Subtotal 11                                                                             0.99 (  0.60-   1.63)
  *12       IRIBA2 27         m   h   c   b   2   10         -       -       -       -      1.02 (  0.71-   1.48)
  *12       IRIBA2 39         f   h   c   b   2   10         -       -       -       -      1.17 (  0.92-   1.50)
   Subtotal 12                                                                             1.12 (  0.92-   1.37)
  *13       WHINCU 8          m   c   c   b   4   16         -       -       -       -      1.54 (  0.68-   3.47)
   14       MCGHEE 1          m   h   p   f   2   2          -       -       -       -      1.31 (  0.87-   1.99)
   14       MCGHEE 2          f   h   p   f   2   2          -       -       -       -      1.57 (  1.11-   2.24)
   Subtotal 14                                                                             1.46 (  1.11-   1.90)
  *15       ZHANG  22         f   s   c   n   2   14         -       -       -       -      1.44 (  1.20-   1.72)
Partial Totals                                              0       0       0       0
*prospective study

   StN      Ref     NRR       SEX EXP TIM TYP UNX ADJ         Ys      Ws      Qs      Ps

  *1        GILLIS 1          m   h   x   f   2   1         -1.11    0.85    1.55    0.3080
  *1        GILLIS 2          f   h   x   f   2   1          0.63    0.84    0.12    0.5639
   Subtotal 1                                               -0.97    1.68    1.68
   2        LEE    2          m   s   m   n   2   2         -0.17    3.88    0.69    0.7314
   2        LEE    4          f   s   m   n   2   2         -0.08   11.15    1.22    0.7807
   Subtotal 2                                               -0.75   15.02    1.91
   4        DONNAN 1          c   s   e   b   2   3          0.47    4.39    0.22    0.3250
  *5        SANDLE 2          m   h   e   f   2   4         -0.03   23.47    1.81    0.8827
  *5        SANDLE 4          f   h   e   f   2   4          0.22  112.72    0.12    0.0224
   Subtotal 5                                               -0.31  136.18    1.92
   7        BONITA 4          m   2   t   b   2   4          0.74   18.36    4.50    0.0015
   7        BONITA 5          f   2   t   b   2   4          0.51   20.01    1.35    0.0234
   Subtotal 7                                                0.75   38.37    5.85
   8        YOU    8          c   s   e   n   2   5          0.53   12.89    1.04    0.0568
   9        IRIBA1 1          m   h   c   n   2   11        -1.39    1.68    4.49    0.0720
   9        IRIBA1 9          f   h   c   n   2   11         0.21   16.65    0.03    0.3983
   Subtotal 9                                               -1.67   18.34    4.52
  *10       YAMADA 2          m   t   e   f   2   1          0.12    1.20    0.02    0.8937
  *10       YAMADA 1          f   t   e   f   2   1         -0.06   15.35    1.47    0.8084
   Subtotal 10                                              -0.43   16.55    1.48
   11       ANDERS 7          m   h   e   b   2   8         -0.69    4.39    3.88    0.1466
   11       ANDERS 6          f   h   e   b   2   8          0.26   10.86    0.00    0.3873
   Subtotal 11                                              -0.92   15.24    3.88
  *12       IRIBA2 27         m   h   c   b   2   10         0.02   28.48    1.47    0.9158
  *12       IRIBA2 39         f   h   c   b   2   10         0.16   64.30    0.52    0.2080
   Subtotal 12                                              -0.32   92.78    1.99
  *13       WHINCU 8          m   c   c   b   4   16         0.43    5.78    0.20    0.2990
----------------------------------------------------------------------------------
Within each study, results are included (in the following order of preference) for:
1) EXP Exposure = spouse (s), household (h), total (t), home/work (2), cotinine (c),
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, during marriage (m), ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)
```

```
                                    Table 26
        ETS and Stroke - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 27-JUN-05
                         Excluding studies of silent cerebral infarction
                                  Overall - adjusted


Overall

 StN       Ref     NRR      SEX EXP TIM TYP UNX ADJ           Ys        Ws        Qs        Ps
 14        MCGHEE 1         m   h   p   f   2   2            0.27      22.45      0.01      0.2008
 14        MCGHEE 2         f   h   p   f   2   2            0.45      31.17      1.30      0.0118
 Subtotal 14                                                0.23      53.62      1.31
*15        ZHANG  22        f   s   c   n   2   14           0.36     118.56      1.64      0.0001

Relative risks


                            N      22
                           NS      13


                           Wt  529.41
                     Het Chi   27.63
                     Het  df      21
                     Het  P     N.S.
                    Fixed  RR    1.28
                            RRl   1.18
                            RRu   1.39
                             P    +++
                   Random  RR    1.26
                            RRl   1.13
                            RRu   1.41
                             P    +++
                    Asymm  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), home/work (2), cotinine (c),
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, during marriage (m), ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

Table 27

ETS and Stroke - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 27-JUN-05
Excluding studies of silent cerebral infarction
Overall - age-adjusted

Overall

									Numbers exposed		Non-exposed			
StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Case	Cont	Case	Cont	RR	95.00%CI
*1	GILLIS 1		m	h	x	f	2	1	-	-	-	-	0.33 (	0.04- 2.84)
*1	GILLIS 2		f	h	x	f	2	1	-	-	-	-	1.88 (	0.22- 16.02)
Subtotal 1													0.78 (	0.17- 3.55)
2	LEE	2	m	s	m	n	2	2	-	-	-	-	0.84 (	0.31- 2.27)
2	LEE	4	f	s	m	n	2	2	-	-	-	-	0.92 (	0.51- 1.65)
Subtotal 2													0.90 (	0.54- 1.49)
4	DONNAN 1		c	s	e	b	2	3	-	-	-	-	1.60 (	0.60- 3.90)
*5	SANDLE 2		m	h	e	f	2	4	-	-	-	-	0.97 (	0.65- 1.46)
*5	SANDLE 4		f	h	e	f	2	4	-	-	-	-	1.24 (	1.03- 1.49)
Subtotal 5													1.19 (	1.00- 1.41)
7	BONITA 1		m	2	t	b	2	1	-	-	-	-	2.06 (	1.34- 3.17)
7	BONITA 2		f	2	t	b	2	1	-	-	-	-	1.50 (	1.01- 2.21)
Subtotal 7													1.73 (	1.30- 2.31)
8	YOU	8	c	s	e	n	2	5	-	-	-	-	1.70 (	0.98- 2.92)
9	IRIBA1 1		m	h	c	n	2	11	-	-	-	-	0.25 (	0.04- 0.82)
9	IRIBA1 9		f	h	c	n	2	11	-	-	-	-	1.23 (	0.75- 1.96)
Subtotal 9													1.06 (	0.67- 1.68)
*10	YAMADA 2		m	t	e	f	2	1	-	-	-	-	1.13 (	0.19- 6.85)
*10	YAMADA 1		f	t	e	f	2	1	-	-	-	-	0.94 (	0.57- 1.55)
Subtotal 10													0.95 (	0.59- 1.54)
11	ANDERS 7		m	h	e	b	2	8	-	-	-	-	0.50 (	0.20- 1.30)
11	ANDERS 6		f	h	e	b	2	8	-	-	-	-	1.30 (	0.70- 2.30)
Subtotal 11													0.99 (	0.60- 1.63)
*12	IRIBA2 3		m	h	c	b	2	1	-	-	-	-	1.12 (	0.78- 1.60)
*12	IRIBA2 15		f	h	c	b	2	1	-	-	-	-	1.23 (	0.97- 1.57)
Subtotal 12													1.19 (	0.98- 1.46)
*13	WHINCU 4		m	c	c	b	4	2	-	-	-	-	0.96 (	0.49- 1.89)
14	MCGHEE 1		m	h	p	f	2	2	-	-	-	-	1.31 (	0.87- 1.99)
14	MCGHEE 2		f	h	p	f	2	2	-	-	-	-	1.57 (	1.11- 2.24)
Subtotal 14													1.46 (	1.11- 1.90)
*15	ZHANG	33	f	s	c	n	2	1	-	-	-	-	1.46 (	1.23- 1.72)
Partial Totals									0	0	0	0		

*prospective study

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Ys	Ws	Qs	Ps
*1	GILLIS 1		m	h	x	f	2	1	-1.11	0.85	1.58	0.3080
*1	GILLIS 2		f	h	x	f	2	1	0.63	0.84	0.12	0.5639
Subtotal 1									-0.99	1.68	1.69	
2	LEE	2	m	s	m	n	2	2	-0.17	3.88	0.72	0.7314
2	LEE	4	f	s	m	n	2	2	-0.08	11.15	1.29	0.7807
Subtotal 2									-0.77	15.02	2.02	
4	DONNAN 1		c	s	e	b	2	3	0.47	4.39	0.20	0.3250
*5	SANDLE 2		m	h	e	f	2	4	-0.03	23.47	1.94	0.8827
*5	SANDLE 4		f	h	e	f	2	4	0.22	112.72	0.20	0.0224
Subtotal 5									-0.33	136.18	2.14	
7	BONITA 1		m	2	t	b	2	1	0.72	20.72	4.49	0.0010
7	BONITA 2		f	2	t	b	2	1	0.41	25.06	0.55	0.0424
Subtotal 7									0.61	45.78	5.04	
8	YOU	8	c	s	e	n	2	5	0.53	12.89	0.96	0.0568
9	IRIBA1 1		m	h	c	n	2	11	-1.39	1.68	4.55	0.0720
9	IRIBA1 9		f	h	c	n	2	11	0.21	16.65	0.04	0.3983
Subtotal 9									-1.69	18.34	4.59	
*10	YAMADA 2		m	t	e	f	2	1	0.12	1.20	0.02	0.8937
*10	YAMADA 1		f	t	e	f	2	1	-0.06	15.35	1.56	0.8084
Subtotal 10									-0.45	16.55	1.59	
11	ANDERS 7		m	h	e	b	2	8	-0.69	4.39	3.96	0.1466
11	ANDERS 6		f	h	e	b	2	8	0.26	10.86	0.00	0.3873
Subtotal 11									-0.95	15.24	3.96	
*12	IRIBA2 3		m	h	c	b	2	1	0.11	29.77	0.62	0.5364
*12	IRIBA2 15		f	h	c	b	2	1	0.21	66.27	0.17	0.0920
Subtotal 12									-0.19	96.04	0.78	
*13	WHINCU 4		m	c	c	b	4	2	-0.04	8.43	0.75	0.9056

Within each study, results are included (in the following order of preference) for:
1) EXP Exposure = spouse (s), household (h), total (t), home/work (2), cotinine (c),
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, during marriage (m), ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

```
                                         Table 27
          ETS and Stroke - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 27-JUN-05
                           Excluding studies of silent cerebral infarction
                                     Overall - age-adjusted


Overall

 StN       Ref      NRR       SEX EXP TIM TYP UNX ADJ          Ys         Ws         Qs        Ps
 14        MCGHEE 1           m   h   p   f   2   2          0.27       22.45       0.00      0.2008
 14        MCGHEE 2           f   h   p   f   2   2          0.45       31.17       1.17      0.0118
 Subtotal 14                                                0.21       53.62       1.17
 *15       ZHANG  33          f   s   c   n   2   1          0.38      136.67       2.01      0.0000

Relative risks


                               N       22
                               NS      13


                               Wt  560.83
                          Het Chi   26.91
                          Het  df      21
                          Het  P     N.S.
                        Fixed  RR    1.29
                               RRl   1.19
                               RRu   1.40
                                 P   +++
                        Random RR    1.27
                               RRl   1.14
                               RRu   1.41
                                 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), home/work (2), cotinine (c),
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, during marriage (m), ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

Table 28
ETS and Stroke - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 27-JUN-05
Excluding studies of silent cerebral infarction
Overall - adjusted

Overall

```
                                              Numbers
                                              Numbers exposed Non-exposed
 StN      Ref    NRR     SEX EXP TIM TYP UNX ADJ  Case   Cont   Case   Cont    RR      95.00%CI
*1        GILLIS 1       m   h   x   f   2   1     -      -      -      -     0.33 ( 0.04-  2.84)
*1        GILLIS 2       f   h   x   f   2   1     -      -      -      -     1.88 ( 0.22- 16.02)
 Subtotal 1                                                                  0.78 ( 0.17-  3.55)
 2        LEE    2       m   s   m   n   2   2     -      -      -      -     0.84 ( 0.31-  2.27)
 2        LEE    4       f   s   m   n   2   2     -      -      -      -     0.92 ( 0.51-  1.65)
 Subtotal 2                                                                  0.90 ( 0.54-  1.49)
 4        DONNAN 1       c   s   e   b   2   3     -      -      -      -     1.60 ( 0.60-  3.90)
*5        SANDLE 2       m   h   e   f   2   4     -      -      -      -     0.97 ( 0.65-  1.46)
*5        SANDLE 4       f   h   e   f   2   4     -      -      -      -     1.24 ( 1.03-  1.49)
 Subtotal 5                                                                  1.19 ( 1.00-  1.41)
 7        BONITA 4       m   2   t   b   2   4     -      -      -      -     2.10 ( 1.33-  3.32)
 7        BONITA 5       f   2   t   b   2   4     -      -      -      -     1.66 ( 1.07-  2.57)
 Subtotal 7                                                                  1.86 ( 1.35-  2.55)
 8        YOU    8       c   s   e   n   2   5     -      -      -      -     1.70 ( 0.98-  2.92)
 9        IRIBA1 1       m   h   c   n   2   11    -      -      -      -     0.25 ( 0.04-  0.82)
 9        IRIBA1 9       f   h   c   n   2   11    -      -      -      -     1.23 ( 0.75-  1.96)
 Subtotal 9                                                                  1.06 ( 0.67-  1.68)
*10       YAMADA 2       m   t   e   f   2   1     -      -      -      -     1.13 ( 0.19-  6.85)
*10       YAMADA 1       f   t   e   f   2   1     -      -      -      -     0.94 ( 0.57-  1.55)
 Subtotal 10                                                                 0.95 ( 0.59-  1.54)
 11       ANDERS 7       m   h   e   b   2   8     -      -      -      -     0.50 ( 0.20-  1.30)
 11       ANDERS 6       f   h   e   b   2   8     -      -      -      -     1.30 ( 0.70-  2.30)
 Subtotal 11                                                                 0.99 ( 0.60-  1.63)
*12       IRIBA2 27      m   h   c   b   2   10    -      -      -      -     1.02 ( 0.71-  1.48)
*12       IRIBA2 39      f   h   c   b   2   10    -      -      -      -     1.17 ( 0.92-  1.50)
 Subtotal 12                                                                 1.12 ( 0.92-  1.37)
*13       WHINCU 8       m   c   c   b   4   16    -      -      -      -     1.54 ( 0.68-  3.47)
 14       MCGHEE 1       m   h   p   f   2   2     -      -      -      -     1.31 ( 0.87-  1.99)
 14       MCGHEE 2       f   h   p   f   2   2     -      -      -      -     1.57 ( 1.11-  2.24)
 Subtotal 14                                                                 1.46 ( 1.11-  1.90)
*15       ZHANG  6       f   s   e   n   2   14    -      -      -      -     1.27 ( 1.05-  1.54)
Partial Totals                                     0      0      0      0
*prospective study

 StN      Ref    NRR     SEX EXP TIM TYP UNX ADJ       Ys      Ws     Qs      Ps

*1        GILLIS 1       m   h   x   f   2   1        -1.11    0.85   1.49    0.3080
*1        GILLIS 2       f   h   x   f   2   1         0.63    0.84   0.14    0.5639
 Subtotal 1                                           -0.91    1.68   1.63
 2        LEE    2       m   s   m   n   2   2        -0.17    3.88   0.60    0.7314
 2        LEE    4       f   s   m   n   2   2        -0.08   11.15   1.02    0.7807
 Subtotal 2                                           -0.69   15.02   1.61
 4        DONNAN 1       c   s   e   b   2   3         0.47    4.39   0.28    0.3250
*5        SANDLE 2       m   h   e   f   2   4        -0.03   23.47   1.45    0.8827
*5        SANDLE 4       f   h   e   f   2   4         0.22  112.72   0.00    0.0224
 Subtotal 5                                           -0.25  136.18   1.45
 7        BONITA 4       m   2   t   b   2   4         0.74   18.36   5.03    0.0015
 7        BONITA 5       f   2   t   b   2   4         0.51   20.01   1.66    0.0234
 Subtotal 7                                            0.81   38.37   6.70
 8        YOU    8       c   s   e   n   2   5         0.53   12.89   1.26    0.0568
 9        IRIBA1 1       m   h   c   n   2   11       -1.39    1.68   4.34    0.0720
 9        IRIBA1 9       f   h   c   n   2   11        0.21   16.65   0.00    0.3983
 Subtotal 9                                           -1.62   18.34   4.34
*10       YAMADA 2       m   t   e   f   2   1         0.12    1.20   0.01    0.8937
*10       YAMADA 1       f   t   e   f   2   1        -0.06   15.35   1.21    0.8084
 Subtotal 10                                          -0.38   16.55   1.22
 11       ANDERS 7       m   h   e   b   2   8        -0.69    4.39   3.64    0.1466
 11       ANDERS 6       f   h   e   b   2   8         0.26   10.86   0.02    0.3873
 Subtotal 11                                          -0.87   15.24   3.67
*12       IRIBA2 27      m   h   c   b   2   10        0.02   28.48   1.12    0.9158
*12       IRIBA2 39      f   h   c   b   2   10        0.16   64.30   0.24    0.2080
 Subtotal 12                                          -0.26   92.78   1.37
*13       WHINCU 8       m   c   c   b   4   16        0.43    5.78   0.26    0.2990
```

Within each study, results are included (in the following order of preference) for:
1) EXP Exposure = spouse (s), household (h), total (t), home/work (2), cotinine (c),
2) TIM Time of exposure = ever (e), during marriage (m), in the past (p), in last 5 (x) or 10 (t) years, current (c)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

```
                                          Table 28
              ETS and Stroke - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 27-JUN-05
                              Excluding studies of silent cerebral infarction
                                         Overall - adjusted


Overall

 StN        Ref     NRR      SEX EXP TIM TYP UNX ADJ          Ys       Ws       Qs       Ps
 14         MCGHEE 1         m   h   p   f   2   2            0.27     22.45    0.06     0.2008
 14         MCGHEE 2         f   h   p   f   2   2            0.45     31.17    1.69     0.0118
 Subtotal 14                                                 0.28     53.62    1.75
 *15        ZHANG  6         f   s   e   n   2   14           0.24    104.76    0.04     0.0144

Relative risks


                        N       22
                        NS      13


                        Wt   515.60
                Het Chi   25.57
                Het  df      21
                Het  P     N.S.
                Fixed  RR    1.24
                        RRl    1.14
                        RRu    1.36
                        P      +++
                Random  RR   1.24
                        RRl    1.12
                        RRu    1.38
                        P      +++
                Asymm  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), home/work (2), cotinine (c),
2) TIM Time of exposure = ever (e), during marriage (m), in the past (p), in last 5 (x) or 10 (t) years, current (c)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

```
                                         Table 29
         ETS and Stroke - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 27-JUN-05
                         Excluding studies of silent cerebral infarction
                                   Overall - age-adjusted


Overall
                                                          Numbers
                                                          Numbers exposed Non-exposed
  StN      Ref    NRR     SEX EXP TIM TYP UNX ADJ  Case   Cont   Case   Cont     RR       95.00%CI
 *1       GILLIS 1     m   h   x   f   2   1     -     -      -      -      0.33 (  0.04-   2.84)
 *1       GILLIS 2     f   h   x   f   2   1     -     -      -      -      1.88 (  0.22-  16.02)
  Subtotal 1                                                               0.78 (  0.17-   3.55)
  2       LEE    2     m   s   m   n   2   2     -     -      -      -      0.84 (  0.31-   2.27)
  2       LEE    4     f   s   m   n   2   2     -     -      -      -      0.92 (  0.51-   1.65)
  Subtotal 2                                                               0.90 (  0.54-   1.49)
  4       DONNAN 1     c   s   e   b   2   3     -     -      -      -      1.60 (  0.60-   3.90)
 *5       SANDLE 2     m   h   e   f   2   4     -     -      -      -      0.97 (  0.65-   1.46)
 *5       SANDLE 4     f   h   e   f   2   4     -     -      -      -      1.24 (  1.03-   1.49)
  Subtotal 5                                                               1.19 (  1.00-   1.41)
  7       BONITA 1     m   2   t   b   2   1     -     -      -      -      2.06 (  1.34-   3.17)
  7       BONITA 2     f   2   t   b   2   1     -     -      -      -      1.50 (  1.01-   2.21)
  Subtotal 7                                                               1.73 (  1.30-   2.31)
  8       YOU    8     c   s   e   n   2   5     -     -      -      -      1.70 (  0.98-   2.92)
  9       IRIBA1 1     m   h   c   n   2   11    -     -      -      -      0.25 (  0.04-   0.82)
  9       IRIBA1 9     f   h   c   n   2   11    -     -      -      -      1.23 (  0.75-   1.96)
  Subtotal 9                                                               1.06 (  0.67-   1.68)
 *10      YAMADA 2     m   t   e   f   2   1     -     -      -      -      1.13 (  0.19-   6.85)
 *10      YAMADA 1     f   t   e   f   2   1     -     -      -      -      0.94 (  0.57-   1.55)
  Subtotal 10                                                              0.95 (  0.59-   1.54)
  11      ANDERS 7     m   h   e   b   2   8     -     -      -      -      0.50 (  0.20-   1.30)
  11      ANDERS 6     f   h   e   b   2   8     -     -      -      -      1.30 (  0.70-   2.30)
  Subtotal 11                                                              0.99 (  0.60-   1.63)
 *12      IRIBA2 3     m   h   c   b   2   1     -     -      -      -      1.12 (  0.78-   1.60)
 *12      IRIBA2 15    f   h   c   b   2   1     -     -      -      -      1.23 (  0.97-   1.57)
  Subtotal 12                                                              1.19 (  0.98-   1.46)
 *13      WHINCU 4     m   c   c   b   4   2     -     -      -      -      0.96 (  0.49-   1.89)
  14      MCGHEE 1     m   h   p   f   2   2     -     -      -      -      1.31 (  0.87-   1.99)
  14      MCGHEE 2     f   h   p   f   2   2     -     -      -      -      1.57 (  1.11-   2.24)
  Subtotal 14                                                              1.46 (  1.11-   1.90)
 *15      ZHANG  25    f   s   e   n   2   1     -     -      -      -      1.35 (  1.13-   1.62)
 Partial Totals                                 0     0      0      0
 *prospective study

  StN      Ref    NRR     SEX EXP TIM TYP UNX ADJ        Ys      Ws       Qs       Ps

 *1       GILLIS 1     m   h   x   f   2   1          -1.11    0.85     1.53     0.3080
 *1       GILLIS 2     f   h   x   f   2   1           0.63    0.84     0.13     0.5639
  Subtotal 1                                          -0.95    1.68     1.66
  2       LEE    2     m   s   m   n   2   2          -0.17    3.88     0.65     0.7314
  2       LEE    4     f   s   m   n   2   2          -0.08   11.15     1.14     0.7807
  Subtotal 2                                          -0.73   15.02     1.79
  4       DONNAN 1     c   s   e   b   2   3           0.47    4.39     0.24     0.3250
 *5       SANDLE 2     m   h   e   f   2   4          -0.03   23.47     1.67     0.8827
 *5       SANDLE 4     f   h   e   f   2   4           0.22  112.72     0.05     0.0224
  Subtotal 5                                          -0.29  136.18     1.72
  7       BONITA 1     m   2   t   b   2   1           0.72   20.72     4.91     0.0010
  7       BONITA 2     f   2   t   b   2   1           0.41   25.06     0.72     0.0424
  Subtotal 7                                           0.66   45.78     5.63
  8       YOU    8     c   s   e   n   2   5           0.53   12.89     1.12     0.0568
  9       IRIBA1 1     m   h   c   n   2   11         -1.39    1.68     4.43     0.0720
  9       IRIBA1 9     f   h   c   n   2   11          0.21   16.65     0.01     0.3983
  Subtotal 9                                          -1.65   18.34     4.45
 *10      YAMADA 2     m   t   e   f   2   1           0.12    1.20     0.02     0.8937
 *10      YAMADA 1     f   t   e   f   2   1          -0.06   15.35     1.36     0.8084
  Subtotal 10                                         -0.41   16.55     1.38
  11      ANDERS 7     m   h   e   b   2   8          -0.69    4.39     3.79     0.1466
  11      ANDERS 6     f   h   e   b   2   8           0.26   10.86     0.01     0.3873
  Subtotal 11                                         -0.90   15.24     3.79
 *12      IRIBA2 3     m   h   c   b   2   1           0.11   29.77     0.45     0.5364
 *12      IRIBA2 15    f   h   c   b   2   1           0.21   66.27     0.06     0.0920
  Subtotal 12                                         -0.15   96.04     0.50
 *13      WHINCU 4     m   c   c   b   4   2          -0.04    8.43     0.65     0.9056
-----------------------------------------------------------------------------------------
Within each study, results are included (in the following order of preference) for:
1) EXP Exposure = spouse (s), household (h), total (t), home/work (2), cotinine (c),
2) TIM Time of exposure = ever (e), during marriage (m), in the past (p), in last 5 (x) or 10 (t) years, current (c)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)
```

```
                                    Table 29
        ETS and Stroke - Meta-Analysis of Spouse Exposure Ever (or nearest equivalent), 27-JUN-05
                        Excluding studies of silent cerebral infarction
                                Overall - age-adjusted


Overall

 StN       Ref    NRR      SEX EXP TIM TYP UNX ADJ          Ys       Ws       Qs       Ps
 14        MCGHEE 1        m   h   p   f   2   2           0.27     22.45     0.03     0.2008
 14        MCGHEE 2        f   h   p   f   2   2           0.45     31.17     1.44     0.0118
 Subtotal 14                                              0.25     53.62     1.47
 *15       ZHANG  25       f   s   e   n   2   1           0.30    118.43     0.49     0.0011

Relative risks


                        N      22
                       NS      13


                       Wt  542.59
                  Het Chi   24.88
                  Het  df      21
                  Het  P     N.S.
                Fixed  RR    1.27
                       RRl   1.16
                       RRu   1.38
                        P    +++
                Random  RR   1.26
                       RRl   1.13
                       RRu   1.39
                        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), home/work (2), cotinine (c),
2) TIM Time of exposure = ever (e), during marriage (m), in the past (p), in last 5 (x) or 10 (t) years, current (c)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)
```

Table 30
ETS and Stroke - Meta-Analysis of Total Exposure (or nearest equivalent), 27-JUN-05
Excluding studies of silent cerebral infarction
Overall - adjusted

Overall

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Numbers exposed Case	Cont	Non-exposed Case	Cont	RR	95.00%CI
*1	GILLIS	1	m	h	x	f	2	1	-	-	-	-	0.33 (	0.04- 2.84)
*1	GILLIS	2	f	h	x	f	2	1	-	-	-	-	1.88 (	0.22- 16.02)
Subtotal 1													0.78 (	0.17- 3.55)
2	LEE	21	m	4	c	n	2	1	-	-	-	-	1.35 (	0.44- 4.12)
2	LEE	22	f	4	c	n	2	1	-	-	-	-	1.19 (	0.57- 2.50)
Subtotal 2													1.24 (	0.67- 2.29)
4	DONNAN	1	c	s	e	b	2	3	-	-	-	-	1.60 (	0.60- 3.90)
*5	SANDLE	2	m	h	e	f	2	4	-	-	-	-	0.97 (	0.65- 1.46)
*5	SANDLE	4	f	h	e	f	2	4	-	-	-	-	1.24 (	1.03- 1.49)
Subtotal 5													1.19 (	1.00- 1.41)
7	BONITA	4	m	2	t	b	2	4	-	-	-	-	2.10 (	1.33- 3.32)
7	BONITA	5	f	2	t	b	2	4	-	-	-	-	1.66 (	1.07- 2.57)
Subtotal 7													1.86 (	1.35- 2.55)
8	YOU	8	c	s	e	n	2	5	-	-	-	-	1.70 (	0.98- 2.92)
9	IRIBA1	7	m	t	c	n	2	11	-	-	-	-	0.27 (	0.11- 0.57)
9	IRIBA1	15	f	t	c	n	2	11	-	-	-	-	0.89 (	0.57- 1.38)
Subtotal 9													0.68 (	0.46- 1.01)
*10	YAMADA	2	m	t	e	f	2	1	-	-	-	-	1.13 (	0.19- 6.85)
*10	YAMADA	1	f	t	e	f	2	1	-	-	-	-	0.94 (	0.57- 1.55)
Subtotal 10													0.95 (	0.59- 1.54)
11	ANDERS	7	m	h	e	b	2	8	-	-	-	-	0.50 (	0.20- 1.30)
11	ANDERS	6	f	h	e	b	2	8	-	-	-	-	1.30 (	0.70- 2.30)
Subtotal 11													0.99 (	0.60- 1.63)
*12	IRIBA2	27	m	h	c	b	2	10	-	-	-	-	1.02 (	0.71- 1.48)
*12	IRIBA2	39	f	h	c	b	2	10	-	-	-	-	1.17 (	0.92- 1.50)
Subtotal 12													1.12 (	0.92- 1.37)
*13	WHINCU	8	m	c	c	b	4	16	-	-	-	-	1.54 (	0.68- 3.47)
14	MCGHEE	1	m	h	p	f	2	2	-	-	-	-	1.31 (	0.87- 1.99)
14	MCGHEE	2	f	h	p	f	2	2	-	-	-	-	1.57 (	1.11- 2.24)
Subtotal 14													1.46 (	1.11- 1.90)
*15	ZHANG	22	f	s	c	n	2	14	-	-	-	-	1.44 (	1.20- 1.72)
Partial Totals									0	0	0	0		

*prospective study

StN	Ref	NRR	SEX	EXP	TIM	TYP	UNX	ADJ	Ys	Ws	Qs	Ps
*1	GILLIS	1	m	h	x	f	2	1	-1.11	0.85	1.52	0.3080
*1	GILLIS	2	f	h	x	f	2	1	0.63	0.84	0.13	0.5639
Subtotal 1									-0.94	1.68	1.65	
2	LEE	21	m	4	c	n	2	1	0.30	3.07	0.01	0.5989
2	LEE	22	f	4	c	n	2	1	0.17	7.03	0.02	0.6446
Subtotal 2									0.01	10.10	0.04	
4	DONNAN	1	c	s	e	b	2	3	0.47	4.39	0.25	0.3250
*5	SANDLE	2	m	h	e	f	2	4	-0.03	23.47	1.63	0.8827
*5	SANDLE	4	f	h	e	f	2	4	0.22	112.72	0.04	0.0224
Subtotal 5									-0.28	136.18	1.66	
7	BONITA	4	m	2	t	b	2	4	0.74	18.36	4.76	0.0015
7	BONITA	5	f	2	t	b	2	4	0.51	20.01	1.50	0.0234
Subtotal 7									0.78	38.37	6.26	
8	YOU	8	c	s	e	n	2	5	0.53	12.89	1.14	0.0568
9	IRIBA1	7	m	t	c	n	2	11	-1.31	5.68	13.50	0.0018
9	IRIBA1	15	f	t	c	n	2	11	-0.12	19.65	2.40	0.6054
Subtotal 9									-1.89	25.33	15.90	
*10	YAMADA	2	m	t	e	f	2	1	0.12	1.20	0.01	0.8937
*10	YAMADA	1	f	t	e	f	2	1	-0.06	15.35	1.33	0.8084
Subtotal 10									-0.41	16.55	1.35	
11	ANDERS	7	m	h	e	b	2	8	-0.69	4.39	3.76	0.1466
11	ANDERS	6	f	h	e	b	2	8	0.26	10.86	0.01	0.3873
Subtotal 11									-0.90	15.24	3.77	
*12	IRIBA2	27	m	h	c	b	2	10	0.02	28.48	1.29	0.9158
*12	IRIBA2	39	f	h	c	b	2	10	0.16	64.30	0.37	0.2080
Subtotal 12									-0.29	92.78	1.66	
*13	WHINCU	8	m	c	c	b	4	16	0.43	5.78	0.23	0.2990

Within each study, results are included (in the following order of preference) for:
1) EXP Exposure = total (t), home/work/travel/leisure (4), home/work (2), cotinine (c), spouse (s), household (h)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

```
                                      Table 30
          ETS and Stroke - Meta-Analysis of Total Exposure (or nearest equivalent), 27-JUN-05
                        Excluding studies of silent cerebral infarction
                                   Overall - adjusted


Overall

 StN      Ref     NRR      SEX EXP TIM TYP UNX ADJ          Ys        Ws        Qs        Ps
 14       MCGHEE 1         m   h   p   f   2   2           0.27      22.45     0.03      0.2008
 14       MCGHEE 2         f   h   p   f   2   2           0.45      31.17     1.49      0.0118
 Subtotal 14                                              0.26      53.62     1.52
 *15      ZHANG  22        f   s   c   n   2   14          0.36     118.56     2.06      0.0001

Relative risks


                          N        22
                          NS       13


                          Wt   531.48
                    Het Chi     37.49
                    Het  df        21
                    Het  P         *
                  Fixed  RR      1.26
                         RRl     1.16
                         RRu     1.37
                         P       +++
                  Random RR      1.22
                         RRl     1.07
                         RRu     1.40
                         P        ++
                  Asymm  P      N.S.
```

Within each study, results are included (in the following order of preference) for:
1) EXP Exposure = total (t), home/work/travel/leisure (4), home/work (2), cotinine (c), spouse (s), household (h)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

Table 31

ETS and Stroke - Meta-Analysis of Total Exposure (or nearest equivalent), 27-JUN-05
Excluding studies of silent cerebral infarction
Overall - age-adjusted

Overall

```
                                        Numbers
                                        Numbers exposed Non-exposed
 StN     Ref     NRR     SEX EXP TIM TYP UNX ADJ  Case    Cont    Case    Cont     RR      95.00%CI
*1       GILLIS 1        m   h   x   f   2   1    -       -       -       -       0.33 (  0.04-   2.84)
*1       GILLIS 2        f   h   x   f   2   1    -       -       -       -       1.88 (  0.22-  16.02)
 Subtotal 1                                                                      0.78 (  0.17-   3.55)
 2       LEE    21       m   4   c   n   2   1    -       -       -       -       1.35 (  0.44-   4.12)
 2       LEE    22       f   4   c   n   2   1    -       -       -       -       1.19 (  0.57-   2.50)
 Subtotal 2                                                                      1.24 (  0.67-   2.29)
 4       DONNAN 1        c   s   e   b   2   3    -       -       -       -       1.60 (  0.60-   3.90)
*5       SANDLE 2        m   h   e   f   2   4    -       -       -       -       0.97 (  0.65-   1.46)
*5       SANDLE 4        f   h   e   f   2   4    -       -       -       -       1.24 (  1.03-   1.49)
 Subtotal 5                                                                      1.19 (  1.00-   1.41)
 7       BONITA 1        m   2   t   b   2   1    -       -       -       -       2.06 (  1.34-   3.17)
 7       BONITA 2        f   2   t   b   2   1    -       -       -       -       1.50 (  1.01-   2.21)
 Subtotal 7                                                                      1.73 (  1.30-   2.31)
 8       YOU    8        c   s   e   n   2   5    -       -       -       -       1.70 (  0.98-   2.92)
 9       IRIBA1 7        m   t   c   n   2   11   -       -       -       -       0.27 (  0.11-   0.57)
 9       IRIBA1 15       f   t   c   n   2   11   -       -       -       -       0.89 (  0.57-   1.38)
 Subtotal 9                                                                      0.68 (  0.46-   1.01)
*10      YAMADA 2        m   t   e   f   2   1    -       -       -       -       1.13 (  0.19-   6.85)
*10      YAMADA 1        f   t   e   f   2   1    -       -       -       -       0.94 (  0.57-   1.55)
 Subtotal 10                                                                     0.95 (  0.59-   1.54)
 11      ANDERS 7        m   h   e   b   2   8    -       -       -       -       0.50 (  0.20-   1.30)
 11      ANDERS 6        f   h   e   b   2   8    -       -       -       -       1.30 (  0.70-   2.30)
 Subtotal 11                                                                     0.99 (  0.60-   1.63)
*12      IRIBA2 3        m   h   c   b   2   1    -       -       -       -       1.12 (  0.78-   1.60)
*12      IRIBA2 15       f   h   c   b   2   1    -       -       -       -       1.23 (  0.97-   1.57)
 Subtotal 12                                                                     1.19 (  0.98-   1.46)
*13      WHINCU 4        m   c   c   b   4   2    -       -       -       -       0.96 (  0.49-   1.89)
 14      MCGHEE 1        m   h   p   f   2   2    -       -       -       -       1.31 (  0.87-   1.99)
 14      MCGHEE 2        f   h   p   f   2   2    -       -       -       -       1.57 (  1.11-   2.24)
 Subtotal 14                                                                     1.46 (  1.11-   1.90)
*15      ZHANG  33       f   s   c   n   2   1    -       -       -       -       1.46 (  1.23-   1.72)
Partial Totals                                   0       0       0       0
*prospective study

 StN     Ref     NRR     SEX EXP TIM TYP UNX ADJ       Ys      Ws      Qs      Ps

*1       GILLIS 1        m   h   x   f   2   1        -1.11    0.85    1.55   0.3080
*1       GILLIS 2        f   h   x   f   2   1         0.63    0.84    0.13   0.5639
 Subtotal 1                                           -0.96    1.68    1.67
 2       LEE    21       m   4   c   n   2   1         0.30    3.07    0.01   0.5989
 2       LEE    22       f   4   c   n   2   1         0.17    7.03    0.03   0.6446
 Subtotal 2                                           -0.01   10.10    0.04
 4       DONNAN 1        c   s   e   b   2   3         0.47    4.39    0.22   0.3250
*5       SANDLE 2        m   h   e   f   2   4        -0.03   23.47    1.76   0.8827
*5       SANDLE 4        f   h   e   f   2   4         0.22  112.72    0.09   0.0224
 Subtotal 5                                           -0.30  136.18    1.86
 7       BONITA 1        m   2   t   b   2   1         0.72   20.72    4.76   0.0010
 7       BONITA 2        f   2   t   b   2   1         0.41   25.06    0.66   0.0424
 Subtotal 7                                            0.64   45.78    5.41
 8       YOU    8        c   s   e   n   2   5         0.53   12.89    1.06   0.0568
 9       IRIBA1 7        m   t   c   n   2   11       -1.31    5.68   13.69   0.0018
 9       IRIBA1 15       f   t   c   n   2   11       -0.12   19.65    2.55   0.6054
 Subtotal 9                                           -1.91   25.33   16.24
*10      YAMADA 2        m   t   e   f   2   1         0.12    1.20    0.02   0.8937
*10      YAMADA 1        f   t   e   f   2   1        -0.06   15.35    1.43   0.8084
 Subtotal 10                                          -0.43   16.55    1.45
 11      ANDERS 7        m   h   e   b   2   8        -0.69    4.39    3.85   0.1466
 11      ANDERS 6        f   h   e   b   2   8         0.26   10.86    0.00   0.3873
 Subtotal 11                                          -0.92   15.24    3.85
*12      IRIBA2 3        m   h   c   b   2   1         0.11   29.77    0.51   0.5364
*12      IRIBA2 15       f   h   c   b   2   1         0.21   66.27    0.09   0.0920
 Subtotal 12                                          -0.17   96.04    0.60
*13      WHINCU 4        m   c   c   b   4   2        -0.04    8.43    0.68   0.9056
```

Within each study, results are included (in the following order of preference) for:
1) EXP Exposure = total (t), home/work/travel/leisure (4), home/work (2), cotinine (c), spouse (s), household (h)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

```
                                    Table 31
           ETS and Stroke - Meta-Analysis of Total Exposure (or nearest equivalent), 27-JUN-05
                          Excluding studies of silent cerebral infarction
                                   Overall - age-adjusted


Overall

 StN       Ref     NRR      SEX EXP TIM TYP UNX ADJ            Ys        Ws        Qs        Ps
 14        MCGHEE 1         m   h   p   f   2   2            0.27      22.45      0.02      0.2008
 14        MCGHEE 2         f   h   p   f   2   2            0.45      31.17      1.34      0.0118
 Subtotal 14                                                0.23      53.62      1.36
 *15       ZHANG 33         f   s   c   n   2   1            0.38     136.67      2.48      0.0000

Relative risks


                            N       22
                           NS       13


                           Wt   562.90
                      Het Chi    36.93
                      Het  df       21
                      Het  P         *
                    Fixed  RR     1.28
                           RRl    1.17
                           RRu    1.39
                            P     +++
                    Random RR     1.22
                           RRl    1.07
                           RRu    1.39
                            P      ++
                    Asymm  P     N.S.
```

Within each study, results are included (in the following order of preference) for:
1) EXP Exposure = total (t), home/work/travel/leisure (4), home/work (2), cotinine (c), spouse (s), household (h)
2) TIM Time of exposure = current (c), in last 5 (x) or 10 (t) years, ever (e), in the past (p)
3) TYP Disease type = both (b), fatal (f), non-fatal (n)
4) UNX Unexposed to ETS (as defined by EXP) (2), low ETS (as defined by EXP) (4)

Overall

StN	Ref	NRR		SEX	EXP	MEA	LO	HI	Numbers exposed Case	Cont	Numbers Non-exposed Case	Cont	RR	95.00%CI	
2	LEE	12		m	4	l	5	12	-	-	-	-	1.77 (	0.41-	7.61)
2	LEE	14		f	4	l	5	12	-	-	-	-	2.44 (	0.90-	6.58)
Subtotal 2													2.20 (	0.97-	5.01)
8	YOU	12		c	s	n	21	99	-	-	-	-	1.91 (	0.94-	3.88)
9	IRIBA1	10		f	h	h	40	99	-	-	-	-	1.40 (	0.53-	3.04)
*12	IRIBA2	26		m	h	h	20	99	-	-	-	-	1.29 (	0.75-	2.20)
*12	IRIBA2	38		f	h	h	20	99	-	-	-	-	1.50 (	1.07-	2.09)
Subtotal 12													1.44 (	1.08-	1.91)
*13	WHINCU	7		m	c	c	3	14	-	-	-	-	2.16 (	0.80-	5.80)
14	MCGHEE	4		c	h	p	2	99	-	-	-	-	2.08 (	1.33-	3.25)
*15	ZHANG	12		f	s	n	20	99	-	-	-	-	1.62 (	1.28-	2.05)
Partial Totals									0	0	0	0			

*prospective study

StN	Ref	NRR		SEX	EXP	MEA	LO	HI	Ys	Ws	Qs	Ps
2	LEE	12		m	4	l	5	12	0.57	1.80	0.01	0.4435
2	LEE	14		f	4	l	5	12	0.89	3.88	0.60	0.0788
Subtotal 2									0.47	5.68	0.61	
8	YOU	12		c	s	n	21	99	0.65	7.65	0.17	0.0736
9	IRIBA1	10		f	h	h	40	99	0.34	5.04	0.13	0.4502
*12	IRIBA2	26		m	h	h	20	99	0.25	13.27	0.79	0.3536
*12	IRIBA2	38		f	h	h	20	99	0.41	34.28	0.30	0.0176
Subtotal 12									-0.34	47.55	1.09	
*13	WHINCU	7		m	c	c	3	14	0.77	3.92	0.29	0.1275
14	MCGHEE	4		c	h	p	2	99	0.73	19.25	1.05	0.0013
*15	ZHANG	12		f	s	n	20	99	0.48	69.27	0.02	0.0001

Relative risks

N		9
NS		7
Wt		158.35
Het Chi		3.36
Het df		8
Het P		N.S.
Fixed RR		1.65
RRl		1.41
RRu		1.92
P		+++
Random RR		1.65
RRl		1.41
RRu		1.92
P		+++
Asymm P		N.S.

Within each study, results are included (in the following order of preference) for:
1) EXP Exposure = spouse (s), household (h), home/work/travel/leisure (4), cotinine (c)
2) MEA Measure of dose = number of cigs (n), years (y), hours (h), persons (p), serum cotinine (c),
      semi-quantitative level (l)
3) The highest available dose level. (No further selection was made on time of exposure)

Table 33
ETS and Stroke - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 27-JUN-05
High dose
Overall - age-adjusted

Overall

								Numbers						
								Numbers exposed		Non-exposed				
StN	Ref	NRR		SEX	EXP	MEA	LO	HI	Case	Cont	Case	Cont	RR	95.00%CI
2	LEE	12		m	4	l	5	12	-	-	-	-	1.77 (	0.41-	7.61)
2	LEE	14		f	4	l	5	12	-	-	-	-	2.44 (	0.90-	6.58)
Subtotal 2													2.20 (	0.97-	5.01)
8	YOU	12		c	s	n	21	99	-	-	-	-	1.91 (	0.94-	3.88)
9	IRIBA1	10		f	h	h	40	99	-	-	-	-	1.40 (	0.53-	3.04)
*12	IRIBA2	2		m	h	h	20	99	-	-	-	-	1.45 (	0.86-	2.44)
*12	IRIBA2	14		f	h	h	20	99	-	-	-	-	1.55 (	1.12-	2.15)
Subtotal 12													1.52 (	1.15-	2.01)
*13	WHINCU	3		m	c	c	3	14	-	-	-	-	1.25 (	0.54-	2.89)
14	MCGHEE	4		c	h	p	2	99	-	-	-	-	2.08 (	1.33-	3.25)
*15	ZHANG	28		f	s	n	20	99	-	-	-	-	1.62 (	1.30-	2.02)
Partial Totals									0	0	0	0		

*prospective study

StN	Ref	NRR		SEX	EXP	MEA	LO	HI	Ys	Ws	Qs	Ps
2	LEE	12		m	4	l	5	12	0.57	1.80	0.01	0.4435
2	LEE	14		f	4	l	5	12	0.89	3.88	0.61	0.0788
Subtotal 2									0.47	5.68	0.62	
8	YOU	12		c	s	n	21	99	0.65	7.65	0.17	0.0736
9	IRIBA1	10		f	h	h	40	99	0.34	5.04	0.13	0.4502
*12	IRIBA2	2		m	h	h	20	99	0.37	14.13	0.22	0.1625
*12	IRIBA2	14		f	h	h	20	99	0.44	36.13	0.12	0.0084
Subtotal 12									-0.18	50.26	0.35	
*13	WHINCU	3		m	c	c	3	14	0.22	5.46	0.41	0.6021
14	MCGHEE	4		c	h	p	2	99	0.73	19.25	1.07	0.0013
*15	ZHANG	28		f	s	n	20	99	0.48	79.11	0.02	0.0000

Relative risks

```
                  N        9
                  NS       7


                  Wt   172.44
         Het Chi    2.76
         Het  df       8
         Het  P     N.S.
       Fixed  RR     1.64
              RRl    1.42
              RRu    1.91
              P      +++
      Random  RR     1.64
              RRl    1.42
              RRu    1.91
              P      +++
       Asymm  P     N.S.
```

Within each study, results are included (in the following order of preference) for:
1) EXP Exposure = spouse (s), household (h), home/work/travel/leisure (4), cotinine (c)
2) MEA Measure of dose = number of cigs (n), years (y), hours (h), persons (p), serum cotinine (c),
       semi-quantitative level (l)
3) The highest available dose level. (No further selection was made on time of exposure)

```
                                         Table 34
           ETS and Stroke - Meta-Analysis of Total Exposure (or nearest equivalent), 27-JUN-05
                                         High dose
                                      Overall - adjusted
```

```
Overall

                                                    Numbers
                                                    Numbers exposed Non-exposed
  StN       Ref     NRR       SEX EXP MEA LO     HI  Case    Cont    Case    Cont     RR       95.00%CI
  2         LEE     12        m   4   l   5      12   -       -       -       -        1.77 (  0.41-   7.61)
  2         LEE     14        f   4   l   5      12   -       -       -       -        2.44 (  0.90-   6.58)
  Subtotal 2                                                                          2.20 (  0.97-   5.01)
  8         YOU     12        c   s   n   21     99   -       -       -       -        1.91 (  0.94-   3.88)
  9         IRIBA1  8         m   t   h   40     99   -       -       -       -        0.45 (  0.10-   1.32)
  9         IRIBA1  16        f   t   h   40     99   -       -       -       -        0.52 (  0.21-   1.12)
  Subtotal 9                                                                          0.50 (  0.25-   1.01)
 *12        IRIBA2  26        m   h   h   20     99   -       -       -       -        1.29 (  0.75-   2.20)
 *12        IRIBA2  38        f   h   h   20     99   -       -       -       -        1.50 (  1.07-   2.09)
  Subtotal 12                                                                         1.44 (  1.08-   1.91)
 *13        WHINCU  7         m   c   c   3      14   -       -       -       -        2.16 (  0.80-   5.80)
  14        MCGHEE  4         c   h   p   2      99   -       -       -       -        2.08 (  1.33-   3.25)
 *15        ZHANG   12        f   s   n   20     99   -       -       -       -        1.62 (  1.28-   2.05)
Partial Totals                                        0       0       0       0
*prospective study

  StN       Ref     NRR       SEX EXP MEA LO     HI        Ys       Ws       Qs       Ps

  2         LEE     12        m   4   l   5      12        0.57     1.80     0.03     0.4435
  2         LEE     14        f   4   l   5      12        0.89     3.88     0.77     0.0788
  Subtotal 2                                              0.57     5.68     0.80
  8         YOU     12        c   s   n   21     99        0.65     7.65     0.31     0.0736
  9         IRIBA1  8         m   t   h   40     99       -0.80     2.31     3.57     0.2251
  9         IRIBA1  16        f   t   h   40     99       -0.65     5.48     6.63     0.1257
  Subtotal 9                                             -2.34     7.79    10.21
 *12        IRIBA2  26        m   h   h   20     99        0.25    13.27     0.48     0.3536
 *12        IRIBA2  38        f   h   h   20     99        0.41    34.28     0.06     0.0176
  Subtotal 12                                            -0.23    47.55     0.54
 *13        WHINCU  7         m   c   c   3      14        0.77     3.92     0.41     0.1275
  14        MCGHEE  4         c   h   p   2      99        0.73    19.25     1.58     0.0013
 *15        ZHANG   12        f   s   n   20     99        0.48    69.27     0.09     0.0001


Relative risks


                        N       10
                        NS       7


                        Wt   161.10
                   Het Chi    13.94
                   Het  df        9
                   Het  P     N.S.
                 Fixed  RR     1.56
                        RRl    1.34
                        RRu    1.82
                        P      +++
                Random  RR     1.52
                        RRl    1.21
                        RRu    1.91
                        P      +++
                 Asymm  P     N.S.
```

Within each study, results are included (in the following order of preference) for:
1) EXP Exposure = total (t), home/work/travel/leisure (4), cotinine (c), spouse (s), household (h)
2) MEA Measure of dose = number of cigs (n), years (y), hours (h), persons (p), serum cotinine (c),
        semi-quantitative level (l)
3) The highest available dose level

```
                                    Table 35
            ETS and Stroke - Meta-Analysis of Total Exposure (or nearest equivalent), 27-JUN-05
                                    High dose
                              Overall - age-adjusted


Overall
                                                    Numbers
                                                    Numbers exposed Non-exposed
  StN      Ref    NRR      SEX EXP MEA LO     HI     Case     Cont     Case     Cont      RR      95.00%CI
  2        LEE    12       m   4   l   5      12     -        -        -        -         1.77 (  0.41-   7.61)
  2        LEE    14       f   4   l   5      12     -        -        -        -         2.44 (  0.90-   6.58)
  Subtotal 2                                                                             2.20 (  0.97-   5.01)
  8        YOU    12       c   s   n   21     99     -        -        -        -         1.91 (  0.94-   3.88)
  9        IRIBA1 8        m   t   h   40     99     -        -        -        -         0.45 (  0.10-   1.32)
  9        IRIBA1 16       f   t   h   40     99     -        -        -        -         0.52 (  0.21-   1.12)
  Subtotal 9                                                                             0.50 (  0.25-   1.01)
 *12       IRIBA2 2        m   h   h   20     99     -        -        -        -         1.45 (  0.86-   2.44)
 *12       IRIBA2 14       f   h   h   20     99     -        -        -        -         1.55 (  1.12-   2.15)
  Subtotal 12                                                                            1.52 (  1.15-   2.01)
 *13       WHINCU 3        m   c   c   3      14     -        -        -        -         1.25 (  0.54-   2.89)
  14       MCGHEE 4        c   h   p   2      99     -        -        -        -         2.08 (  1.33-   3.25)
 *15       ZHANG  28       f   s   n   20     99     -        -        -        -         1.62 (  1.30-   2.02)
Partial Totals                                      0        0        0        0
*prospective study

  StN      Ref    NRR      SEX EXP MEA LO     HI            Ys        Ws       Qs       Ps

  2        LEE    12       m   4   l   5      12            0.57      1.80     0.03     0.4435
  2        LEE    14       f   4   l   5      12            0.89      3.88     0.76     0.0788
  Subtotal 2                                               0.57      5.68     0.79
  8        YOU    12       c   s   n   21     99            0.65      7.65     0.30     0.0736
  9        IRIBA1 8        m   t   h   40     99           -0.80      2.31     3.59     0.2251
  9        IRIBA1 16       f   t   h   40     99           -0.65      5.48     6.66     0.1257
  Subtotal 9                                              -2.35      7.79    10.25
 *12       IRIBA2 2        m   h   h   20     99            0.37     14.13     0.08     0.1625
 *12       IRIBA2 14       f   h   h   20     99            0.44     36.13     0.00     0.0084
  Subtotal 12                                             -0.09     50.26     0.09
 *13       WHINCU 3        m   c   c   3      14            0.22      5.46     0.28     0.6021
  14       MCGHEE 4        c   h   p   2      99            0.73     19.25     1.55     0.0013
 *15       ZHANG  28       f   s   n   20     99            0.48     79.11     0.09     0.0000


Relative risks


                    N        10
                    NS        7


                    Wt    175.19
              Het Chi    13.35
              Het  df        9
              Het  P      N.S.
            Fixed  RR     1.57
                  RRl     1.35
                  RRu     1.82
                   P      +++
           Random  RR     1.51
                  RRl     1.22
                  RRu     1.88
                   P      +++
            Asymm  P      N.S.




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Within each study, results are included (in the following order of preference) for:
1) EXP Exposure = total (t), home/work/travel/leisure (4), cotinine (c), spouse (s), household (h)
2) MEA Measure of dose = number of cigs (n), years (y), hours (h), persons (p), serum cotinine (c),
        semi-quantitative level (l)
3) The highest available dose level
```

Table 36
ETS and Stroke - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 27-JUN-05
Low dose
Overall - adjusted

Overall

StN	Ref	NRR	SEX	EXP	MEA	LO	HI	Numbers exposed Case	Cont	Numbers Non-exposed Case	Cont	RR	95.00%CI	
2	LEE	8	m	4	l	2	4	–	–	–	–	1.24 (	0.39-	3.99)
2	LEE	10	f	4	l	2	4	–	–	–	–	0.86 (	0.37-	1.99)
Subtotal 2												0.98 (	0.49-	1.93)
8	YOU	10	c	s	n	1	20	–	–	–	–	1.55 (	0.83-	2.88)
*12	IRIBA2	25	m	h	h	1	19	–	–	–	–	0.89 (	0.56-	1.42)
*12	IRIBA2	37	f	h	h	1	19	–	–	–	–	0.99 (	0.72-	1.35)
Subtotal 12												0.96 (	0.74-	1.24)
*13	WHINCU	5	m	c	c	1	1	–	–	–	–	1.34 (	0.53-	3.40)
14	MCGHEE	3	c	h	p	1	1	–	–	–	–	1.34 (	1.01-	1.79)
*15	ZHANG	8	f	s	n	1	9	–	–	–	–	1.28 (	0.92-	1.77)
Partial Totals								0	0	0	0			

*prospective study

StN	Ref	NRR	SEX	EXP	MEA	LO	HI	Ys	Ws	Qs	Ps
2	LEE	8	m	4	l	2	4	0.22	2.84	0.01	0.7169
2	LEE	10	f	4	l	2	4	-0.15	5.43	0.52	0.7253
Subtotal 2								-0.25	8.27	0.53	
8	YOU	10	c	s	n	1	20	0.44	9.93	0.78	0.1673
*12	IRIBA2	25	m	h	h	1	19	-0.12	17.75	1.34	0.6235
*12	IRIBA2	37	f	h	h	1	19	-0.01	38.89	1.10	0.9500
Subtotal 12								-0.44	56.63	2.43	
*13	WHINCU	5	m	c	c	1	1	0.29	4.45	0.08	0.5371
14	MCGHEE	3	c	h	p	1	1	0.29	46.92	0.85	0.0450
*15	ZHANG	8	f	s	n	1	9	0.25	35.89	0.28	0.1392

Relative risks


```
              N        8
              NS       6


              Wt   162.09
     Het Chi    4.96
     Het  df       7
     Het  P     N.S.
     Fixed  RR    1.17
           RRl    1.00
           RRu    1.37
             P      +
     Random  RR   1.17
           RRl    1.00
           RRu    1.37
             P      +
     Asymm  P    N.S.
```

Within each study, results are included (in the following order of preference) for:
1) EXP Exposure = spouse (s), household (h), home/work/travel/leisure (4), cotinine (c)
2) MEA Measure of dose = number of cigs (n), years (y), hours (h), persons (p), serum cotinine (c),
       semi-quantitative level (l)
3) The lowest available dose level. (No further selection was made on time of exposure)

```
                                             Table 37
            ETS and Stroke - Meta-Analysis of Spouse Exposure Current (or nearest equivalent), 27-JUN-05
                                             Low dose
                                      Overall - age-adjusted


Overall

                                                    Numbers
                                                    Numbers exposed Non-exposed
  StN      Ref      NRR      SEX EXP MEA LO     HI   Case    Cont    Case    Cont      RR      95.00%CI
  2        LEE      8        m   4   l   2      4    -       -       -       -       1.24 ( 0.39-  3.99)
  2        LEE      10       f   4   l   2      4    -       -       -       -       0.86 ( 0.37-  1.99)
  Subtotal 2                                                                        0.98 ( 0.49-  1.93)
  8        YOU      10       c   s   n   1      20   -       -       -       -       1.55 ( 0.83-  2.88)
  *12      IRIBA2   1        m   h   h   1      19   -       -       -       -       0.96 ( 0.61-  1.51)
  *12      IRIBA2   13       f   h   h   1      19   -       -       -       -       1.05 ( 0.77-  1.42)
  Subtotal 12                                                                       1.02 ( 0.79-  1.32)
  *13      WHINCU   1        m   c   c   1      1    -       -       -       -       1.01 ( 0.43-  2.35)
  14       MCGHEE   3        c   h   p   1      1    -       -       -       -       1.34 ( 1.01-  1.79)
  *15      ZHANG    26       f   s   n   1      9    -       -       -       -       1.30 ( 0.95-  1.79)
Partial Totals                                      0       0       0       0
*prospective study

  StN      Ref      NRR      SEX EXP MEA LO     HI        Ys      Ws      Qs      Ps

  2        LEE      8        m   4   l   2      4         0.22    2.84    0.00    0.7169
  2        LEE      10       f   4   l   2      4        -0.15    5.43    0.57    0.7253
  Subtotal 2                                            -0.28    8.27    0.58
  8        YOU      10       c   s   n   1      20        0.44    9.93    0.70    0.1673
  *12      IRIBA2   1        m   h   h   1      19       -0.04   18.70    0.86    0.8599
  *12      IRIBA2   13       f   h   h   1      19        0.05   41.02    0.64    0.7547
  Subtotal 12                                           -0.34   59.73    1.50
  *13      WHINCU   1        m   c   c   1      1         0.01    5.33    0.14    0.9817
  14       MCGHEE   3        c   h   p   1      1         0.29   46.92    0.67    0.0450
  *15      ZHANG    26       f   s   n   1      9         0.26   38.29    0.30    0.1045


Relative risks


                          N       8
                          NS      6


                          Wt  168.46
                   Het Chi    3.88
                   Het  df       7
                   Het  P     N.S.
                   Fixed  RR   1.19
                          RRl  1.02
                          RRu  1.38
                          P       +
                   Random  RR   1.19
                          RRl  1.02
                          RRu  1.38
                          P       +
                   Asymm  P    N.S.




--------------------------------------------------------------------------------
Within each study, results are included (in the following order of preference) for:
1) EXP Exposure = spouse (s), household (h), home/work/travel/leisure (4), cotinine (c)
2) MEA Measure of dose = number of cigs (n), years (y), hours (h), persons (p), serum cotinine (c),
        semi-quantitative level (l)
3) The lowest available dose level.  (No further selection was made on time of exposure)
```

```
                                            Table 38
              ETS and Stroke - Meta-Analysis of Total Exposure (or nearest equivalent), 27-JUN-05
                                            Low dose
                                      Overall - adjusted


Overall
                                                    Numbers
                                                    Numbers exposed Non-exposed
   StN      Ref     NRR       SEX EXP MEA LO      HI   Case   Cont   Case   Cont      RR      95.00%CI
   2        LEE     8         m   4   l   2       4    -      -      -      -        1.24 (  0.39-  3.99)
   2        LEE     10        f   4   l   2       4    -      -      -      -        0.86 (  0.37-  1.99)
   Subtotal 2                                                                       0.98 (  0.49-  1.93)
   8        YOU     10        c   s   n   1       20   -      -      -      -        1.55 (  0.83-  2.88)
  *12       IRIBA2  25        m   h   h   1       19   -      -      -      -        0.89 (  0.56-  1.42)
  *12       IRIBA2  37        f   h   h   1       19   -      -      -      -        0.99 (  0.72-  1.35)
   Subtotal 12                                                                      0.96 (  0.74-  1.24)
  *13       WHINCU  5         m   c   c   1       1    -      -      -      -        1.34 (  0.53-  3.40)
   14       MCGHEE  3         c   h   p   1       1    -      -      -      -        1.34 (  1.01-  1.79)
  *15       ZHANG   8         f   s   n   1       9    -      -      -      -        1.28 (  0.92-  1.77)
Partial Totals                                        0      0      0      0
*prospective study

   StN      Ref     NRR       SEX EXP MEA LO      HI       Ys      Ws      Qs       Ps

   2        LEE     8         m   4   l   2       4       0.22    2.84    0.01     0.7169
   2        LEE     10        f   4   l   2       4      -0.15    5.43    0.52     0.7253
   Subtotal 2                                            -0.25    8.27    0.53
   8        YOU     10        c   s   n   1       20      0.44    9.93    0.78     0.1673
  *12       IRIBA2  25        m   h   h   1       19     -0.12   17.75    1.34     0.6235
  *12       IRIBA2  37        f   h   h   1       19     -0.01   38.89    1.10     0.9500
   Subtotal 12                                           -0.44   56.63    2.43
  *13       WHINCU  5         m   c   c   1       1       0.29    4.45    0.08     0.5371
   14       MCGHEE  3         c   h   p   1       1       0.29   46.92    0.85     0.0450
  *15       ZHANG   8         f   s   n   1       9       0.25   35.89    0.28     0.1392


Relative risks


                          N       8
                          NS      6


                          Wt  162.09
                    Het Chi    4.96
                    Het  df       7
                    Het  P     N.S.
                    Fixed  RR  1.17
                           RRl 1.00
                           RRu 1.37
                            P    +
                    Random  RR 1.17
                            RRl 1.00
                            RRu 1.37
                             P    +
                    Asymm  P   N.S.










--------------------------------------------------------------------------------
Within each study, results are included (in the following order of preference) for:
1) EXP Exposure = total (t), home/work/travel/leisure (4), cotinine (c), spouse (s), household (h)
2) MEA Measure of dose = number of cigs (n), years (y), hours (h), persons (p), serum cotinine (c),
       semi-quantitative level (l)
3) The lowest available dose level
```

```
                                   Table 39
             ETS and Stroke - Meta-Analysis of Total Exposure (or nearest equivalent), 27-JUN-05
                                   Low dose
                              Overall - age-adjusted


Overall
                                                        Numbers
                                                        Numbers exposed Non-exposed
    StN       Ref     NRR      SEX EXP MEA LO       HI   Case    Cont    Case    Cont     RR        95.00%CI
    2         LEE     8        m   4   l   2        4    -       -       -       -       1.24 ( 0.39-  3.99)
    2         LEE     10       f   4   l   2        4    -       -       -       -       0.86 ( 0.37-  1.99)
    Subtotal 2                                                                          0.98 ( 0.49-  1.93)
    8         YOU     10       c   s   n   1        20   -       -       -       -       1.55 ( 0.83-  2.88)
    *12       IRIBA2  1        m   h   h   1        19   -       -       -       -       0.96 ( 0.61-  1.51)
    *12       IRIBA2  13       f   h   h   1        19   -       -       -       -       1.05 ( 0.77-  1.42)
    Subtotal 12                                                                         1.02 ( 0.79-  1.32)
    *13       WHINCU  1        m   c   c   1        1    -       -       -       -       1.01 ( 0.43-  2.35)
    14        MCGHEE  3        c   h   p   1        1    -       -       -       -       1.34 ( 1.01-  1.79)
    *15       ZHANG   26       f   s   n   1        9    -       -       -       -       1.30 ( 0.95-  1.79)
    Partial Totals                                       0       0       0       0
    *prospective study

    StN       Ref     NRR      SEX EXP MEA LO       HI       Ys      Ws      Qs       Ps

    2         LEE     8        m   4   l   2        4      0.22    2.84    0.00     0.7169
    2         LEE     10       f   4   l   2        4     -0.15    5.43    0.57     0.7253
    Subtotal 2                                            -0.28    8.27    0.58
    8         YOU     10       c   s   n   1        20     0.44    9.93    0.70     0.1673
    *12       IRIBA2  1        m   h   h   1        19    -0.04   18.70    0.86     0.8599
    *12       IRIBA2  13       f   h   h   1        19     0.05   41.02    0.64     0.7547
    Subtotal 12                                           -0.34   59.73    1.50
    *13       WHINCU  1        m   c   c   1        1      0.01    5.33    0.14     0.9817
    14        MCGHEE  3        c   h   p   1        1      0.29   46.92    0.67     0.0450
    *15       ZHANG   26       f   s   n   1        9      0.26   38.29    0.30     0.1045


    Relative risks


                          N        8
                          NS       6


                          Wt  168.46
                  Het Chi    3.88
                  Het  df       7
                  Het  P     N.S.
                  Fixed  RR    1.19
                         RRl   1.02
                         RRu   1.38
                          P      +
                  Random  RR   1.19
                          RRl   1.02
                          RRu   1.38
                           P      +
                  Asymm  P    N.S.
```

Within each study, results are included (in the following order of preference) for:
1) EXP Exposure = total (t), home/work/travel/leisure (4), cotinine (c), spouse (s), household (h)
2) MEA Measure of dose = number of cigs (n), years (y), hours (h), persons (p), serum cotinine (c),
        semi-quantitative level (l)
3) The lowest available dose level