APPENDIX 7/1

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ESTIMATING THE RELATIVE RISK OF HEART DISEASE FROM SMOKING TAKING INTO ACCOUNT THE CURING PROCESS OF THE TOBACCO

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EXECUTIVE SUMMARY

After an extensive literature search, a database of 204 Relative Risks (RRs) of Coronary Heart Disease (CHD) for ever smokers, current smokers or ex smokers was created. These RRs came from seven countries, Australia, Canada, Denmark, Germany, The Netherlands, The UK and USA with no values being available from an eighth country, Austria. In three of these countries, Australia, Canada and the UK, cigarettes are manufactured primarily using flue cured tobacco, the other four, Denmark, Germany, The Netherlands and USA, using primarily blended tobacco.

After initial analyses, values for a set of factors were created for each RR so that the RRs could be modelled according to study, sex and age. Initial detailed analyses of the very large THUN1 and THUN2 data sets[1] revealed a marked increase in risk in both smokers and non-smokers with age, a decrease in RR by age, the small effect that gender had on the RRs, and the significant heterogeneity left after even the best fit to the data.

Most analyses were done separately for ever smokers, current smokers and ex-smokers separately. The marked effect of age meant that estimated age group was included in all models of interest. For ever smokers, after allowing for age there was little deviance left to explain and this was mainly dominated by one study, DOERKE[2], which had very large and atypical estimates of RR.

In current smokers other factors with strong effects were Grouped Mid-year of Study (or Year of Follow-up for prospective trials) and country, with some minor effects seen on gender and type of CHD and the factor contrasting flue cured and blended cigarettes. In an analysis which first included age, grouped mid-year of study, gender and type of CHD, the effect of then adding country or flue cured versus blended cigarettes was examined. Country was significant with high values being seen for Australia and Germany, intermediate values for the UK, and low values for Canada, USA, Denmark and the Netherlands. Flue cured versus blended cigarettes was also significant, the estimate of 2.23 (2.04 to 2.44) for flue cured being greater than that of 1.96 (1.82 to 2.11) for blended cigarettes.

Ex smokers had much lower estimates for RRs than current smokers, but while large effects were still seen for age and for mid-year of study, after allowing for these there was no effect apparent for country or for flue cured versus blended cigarettes.

Thus the data seem to provide some evidence that the relative risk of CHD in current smokers versus non-smokers is higher in smokers of flue cured tobacco than in cigarettes manufactured from blended tobacco. However the effect was small and there was still large unexplained heterogeneity in even the best models fitted to the data.

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1. INTRODUCTION

In this report we describe the creation of a database from major studies reporting relative risks of heart disease due to smoking which were conducted in countries which smoke cigarettes of primarily blended or primarily flue-cured tobacco. The studies were identified from an extensive literature search. We also describe an analysis of the database to discover whether estimated relative risk of heart disease varies by type of tobacco processing.

2. METHODS

2.1 Countries of Interest

The following eight countries were considered to be of interest because:

- cigarettes smoked in the country are either primarily of flue-cured or primarily of blended tobacco
- there were thought to be a reasonable number of studies of smoking and heart disease available in the literature for the country, and
- smokers in the country mainly smoke manufactured cigarettes (though the Netherlands were an exception here).

Country	**Cigarette Type**
Australia	Flue-cured
Austria	Blended
Canada	Flue-cured
Denmark	Blended
Germany	Blended
Netherlands	Blended
UK	Flue-cured
USA	Blended

2.2 Identifying the relevant studies

We then performed an extensive literature search, using both MEDLINE and our in-house reference system, to find all the published studies in these eight countries which were concerned with the risk of heart disease and smoking. The studies identified are summarized in Text-Table 1. These papers were obtained and examined for relevant data. Studies that could not be used are marked as such in Text-Table 1 by:

- Use <ref> - studies that had data that were superseded by the referenced paper
- NRD – studies that had no relevant data (studies to which this was only apparent after closer examination are marked as NRD*)
- NSD – studies that had no separate data for the particular country of interest

Text Table 1
Studies identified as having data relating CHD to smoking in 8 countries of interest

Country	Reference	Study Title	Reference Key	Public-ation Year	Type 1=CaseC 2=Prosp 3=Cross-Sect 4=Autopsy	Studies Not Used
Canada	BEST	Canadian Veterans	[3]	1967	2	Use [4]
	DAGEN1	Quebec	[5]	1990	2	Use [6]
	DAGEN2	Quebec	[6]	1990	2	
	DAGEN3	Quebec	[7]	1996	2	Use [6]
	DEPART	Canadian Veterans	[4]	1966	2	
	HUY	Quebec	[8]	1977	1	NRD
	SEMENC	Nutrition Canada	[9]	1988	2	
	TATE	Manitoba	[10]	1998	2	
Australia	ALROOM	Hunter Region 84-85	[11]	1986	2	
	CHUN	Hunter Region 86-90	[12]	1993	2	
	KNUIMA	Busselton	[13]	1997	1	
	SIMONS	Dubbo	[14]	2003	1	
	SPENCE	Perth	[15]	1999	2	
Germany	CREME1	Goettingen (GRIPS)	[16]	1988	2	Use [17]
	CREME2	Goettingen (GRIPS)	[17]	1997	2	
	CULLEN	Munster	[18]	1998	2	
	DOERKE	Hamburg	[2]	1968	1	
	HEIDRI	MONICA Augsburg	[19]	2003	2	
	KEIL	MONICA Augsburg	[20]	1998	2	Use [19]
	LEWIS1	Transnational OC	[21]	1996	1	NSD
	LEWIS2	5 country OC	[22]	1997	1	NSD
Netherlands	BOER	Consultation Bureau	[23]	1999	2	
	BOSMA	NE Netherlands	[24]	2005	2	NRD
	HOUTER	Five towns	[25]	2003	2	
	MATROO	Four communities	[26]	1979	1	
	MENOTT	Zutphen (7 countries)	[27]	1996	2	NRD
	VANDER	Dutch Prospect (EPIC)	[28]	2005	2	NRD
	WEIJEN	Zutphen (7 countries)	[29]	1996	2	
UK	ALDER1	10 hospital regions	[30]	1985	1	
	BENSHL	Civil servants	[31]	1994	2	
	BRETT1	Industrial workers	[32]	1968	2	
	COOK	British Regional	[33]	1986	2	Use [34]
	CROFT	RCGP OC	[35]	1989	1	
	DOLL1	British Doctors	[36]	1976	2	Use [36]
	DOLL2	British Doctors	[37]	1994	2	
	DUNN	MICA	[38]	1999	1	

Text Table 1
Studies identified as having data relating CHD to smoking in 8 countries of interest

Country	Reference	Study Title	Reference Key	Public-ation Year	Type 1=CaseC 2=Prosp 3=Cross-Sect 4=Autopsy	Studies Not Used
UK	FARLEY	Oxford	[39]	1998	1	NRD
	HAWTHO	West central Scotland	[40]	1978	2	Use [41]
	HIGENB	Civil servants	[42]	1982	2	Use [31]
	HUMPHR	Northwick Park II	[43]	2001	2	
	LEWIS3	Transnational OC	[21]	1996	1	NSD
	LEWIS4	Transnational OC	[22]	1997	1	NSD
	PARISH	ISIS	[44]	1995	1	
	REID	Civil servants	[45]	1976	2	Use [31]
	SHAPER	British Regional	[46]	1985	2	Use [34]
	TANG	British Regional	[34]	1992	2	
	TUNSTA	Scottish heart health	[47]	1997	2	
	WATT	Renfrew and Paisley	[48]	1995	2	Use [41]
	WHITEL	Renfrew and Paisley	[41]	2005	2	
	WOODW1	Scottish heart health	[49]	1999	2	NRD
	WOODW2	Scottish heart health	[50]	2003	2	NRD
USA	ABBOTT	Honolulu	[51]	2002	2	NRD
	BAIN	Location unstated	[52]	1978	1	
	BEARD	Rochester	[53]	1989	1	
	BURNS	CPS I	[54]	1997	2	Use [1]
	BUSH	Washington County	[55]	1983	2	
	BUTLER	Tecumseh	[56]	1985	2	NRD*
	CARMEL	Western Collaborative	[57]	1991	2	
	DOYLE	Albany [+ Framingham]	[58]	1964	2	
	DYER	Chicago Gas	[59]	1975	2	
	FREUND	Framingham	[60]	1993	2	
	FRIED1	Kaiser-Permanente	[61]	1979	2	
	FRIED2	Kaiser-Permanente	[62]	1997	2	
	HAMMON	US Nine State	[63]	1958	2	
	HAMMO2	CPSI	[64]	1966	2	
	HRUBEC	Veterans	[65]	1997	2	
	JENKIN	Western Collaborative	[66]	1968	2	Use [57]
	KAHN	Veterans	[67]	1966	2	
	KANNEL	MRFIT	[68]	1986	2	
	KAWAC1	Nurses	[69]	1994	2	Use [70]
	KAWAC2	Nurses	[70]	1997	2	
	KEYS	Minneapolis St Paul	[71]	1971	2	
	KULLER	MRFIT	[72]	1991	2	Use [68]
	LACROI	Study of elderly	[73]	1991	2	
	MENOT1	Seven countries study	[74]	1995	2	
	MENOT2	US Railroad	[75]	2004	2	NRD
	NEATON	MRFIT	[76]	1992	2	Use [68]

Text Table 1
Studies identified as having data relating CHD to smoking in 8 countries of interest

Country	Reference	Study Title	Reference Key	Public-ation Year	Type 1=CaseC 2=Prosp 3=Cross-Sect 4=Autopsy	Studies Not Used
USA	NESS	Geriatrics practice	[77]	2000	3	
	PAGANI	Leisure World	[78]	1994	2	
	POOLIN	Alb,Fram,Chicx2,Tecum	[79]	1978	2	
	ROGOT	Veterans	[80]	1980	2	Use [67]
	ROSEN1	MI in young women	[81]	1985	1	
	ROSEN2	MI in young men	[82]	1985	1	
	ROSEN3	MI in women	[83]	1990	1	
	ROSEN4	Black Women's Health	[84]	1999	1	
	ROSEM1	Western Collaborative	[85]	1975	2	Use [57]
	ROSEM2	Western Collaborative	[86]	1976	2	Use [57]
	SLONE	MI in young women	[87]	1978	1	NRD
	SPAIN	Sudden death in women	[88]	1973	4	
	THUN1	CPS I	[1]	1997	2	
	THUN2	CPS II	[1]	1997	2	
	TYROLE	Evans county	[89]	1984	2	
	WEIR	Occupational groups	[90]	1970	2	
	WILLET	Nurses	[91]	1987	2	Use [70]
	YANO1	Honolulu	[92]	1984	2	
	YUSUF	NHANES	[93]	1998	2	
Austria	LEWIS5	Transnational OC	[21]	1996	1	NSD
	LEWIS6	Transnational OC	[22]	1997	1	NSD
	VUTUC1	Males	[94]	1978	1	NRD
	VUTUC2	Females	[95]	1979	1	NRD
Denmark	GODTFR	3 Copenhagen studies	[96]	2003	2	NRD
	GYNTEL	Copenhagen City Heart	[97]	1981	2	Use [98]
	HAGERU	Glostrup	[99]	1971	2	Use [98]
	HEIN1	Copenhagen Male	[100]	1992	2	Use [98]
	HEIN2	Copenhagen Male	[101]	1993	2	Use [98]
	HIPPE	3 Copenhagen studies	[102]	1999	2	Use [98]
	JENSEN	Copenhagen City Heart	[103]	1991	2	Use [98]
	NYBOE	Copenhagen City Heart	[104]	1991	2	Use [98]
	PRESC1	3 Copenhagen studies	[98]	1998	2	
	PRESC2	3 Copenhagen studies	[105]	1998	2	Use [98]
	PRESC3	Copenhagen City Heart	[106]	2002	2	Use [98]
	SCHNOH	Copenhagen City Heart	[107]	2002	2	Use [98]
	SCHNO2	Copenhagen City Heart	[108]	2003	2	Use [98]
	SCHROL	Glostrup	[109]	1977	2	Use [98]
	SUADIC	Copenhagen Male	[110]	1997	2	Use [98]
	SUADI2	Copenhagen Male	[111]	2000	2	Use [98]
	SUADI3	Copenhagen City Heart	[112]	2001	2	Use [98]

Text Table 1 Studies identified as having data relating CHD to smoking in 8 countries of interest						
Country	**Reference**	**Study Title**	**Reference Key**	**Public-ation Year**	**Type 1=CaseC 2=Prosp 3=Cross-Sect 4=Autopsy**	**Studies Not Used**
Denmark	VONEYB	MI under 41	[113]	2001	1	
	VONEY2	MI under 41(diff study)	[114]	2002	1	NRD

2.3 Extraction of data

The remaining papers were examined in depth to extract the following crucial data:

- type of study – case control or prospective
- year start and finish of gathering data for case control studies
- final year of follow-up for prospective studies
- sex of the participants
- relative risks (RR) for smoking together with their 95% confidence limits. These often had to be recalculated or estimated from the data available.

For each relative risk the following information was also extracted:

- sex
- age range
- the definition of the end-point; i.e. fatal or non-fatal, coronary heart disease(CHD) or myocardial infarction (MI). The principal end-point of interest was fatal CHD.
- the definition of smoking – e.g. all products or cigarettes only, current or ex-smokers
- the definition of the non-exposed group – such as never smokers or non-smokers
- whether it was adjusted for confounding variables

Death rates from CHD increase strongly with age, and there is good evidence that the relative risk from smoking decreases with age. It therefore seemed best to try to get relative risks for different age groupings wherever possible.

In Appendix 1, we go through each of the included papers from the list above, clarifying where the estimates of the relative risks came from.

3. RESULTS

3.1 Distribution of studies by study characteristics

Text-Table 2 gives the number of studies giving RRs for different types of CHD, split by study type and study sex, and separately for current and ever smokers (A) and for ex-smokers (B). Clearly, much of our information comes from prospective trials, and relates to fatal or fatal & non-fatal CHD. In the rest of this section we ignore the one cross-sectional study (with values for males and females), the one autopsy study and the one study with only information on total mortality. Note that a single study may contribute RRs separately for males and females and for ex smokers as well as current/ever smoking. However we have only entered RRs for either current or ever smoking, and only for one of the selected types of CHD. Note also that only one study, HAMMON, provided information on ex smokers only, the information for current smokers being taken from THUN1.

Text-Table 3 similarly gives the number of studies, but split by country. It is clear that the majority of studies are in the US, with quite a lot of information from the UK and just a few studies from other countries. There were no useful studies from Austria.

Text Table 2a
Number of studies with information on different types of CHD, by Study Type and Sex: Current and Ever Smokers

		Fatal CHD	Non-fatal CHD	Fatal & Non-fatal CHD	Total mortality	Total
	Study Type					
Sex						
	case-control					
combined		0	1	2	0	3
male		2	3	1	0	6
female		1	5	4	0	10
	prospective					
combined		2	0	1	0	3
male		24	0	13	1	38
female		14	0	4	0	18
	cross-sectional					
male		0	1	0	0	1
female		0	1	0	0	1
	autopsy					
female		1	0	0	0	1
	Total					
combined		2	1	3	0	6
male		26	4	14	1	45
female		16	6	8	0	30
Total		32	8	20	1	61

Text Table 2b
Number of studies with information on different types of CHD, by Study Type and Sex: Ex-Smokers

		Fatal CHD	Non-fatal CHD	Fatal & Non-fatal CHD	Total mortality	Total
	Study Type					
Sex						
	case-control					
male		0	2	0	0	2
female		0	4	0	0	4
	prospective					
combined		0	0	1	0	1
male		16	0	5	0	21
female		9	0	1	0	10
	Total					
combined		0	0	1	0	1
male		16	2	5	0	23
female		9	4	1	0	14
Total		18	5	6	0	29

Text Table 2c
Number of studies with information on different types of CHD, Total for All Smokers

		Fatal CHD	Non-fatal CHD	Fatal & Non-fatal CHD	Total mortality	Total
Total		33	8	20	1	62

Text Table 3
Number of studies with information on different types of CHD, by Country, Sex and Smoking

		Fatal CHD	Non-fatal CHD	Fatal & Non-fatal CHD	Total
Country	**Sex**				
	combined	Ever Smoker			
Australia		0	0	1	1
	combined	Current Smoker			
Denmark		0	1	0	1
Netherlands		0	0	1	1
USA		2	0	0	2
Australia		0	0	1	1
Total		2	1	2	5
	combined	Ex Smoker			
Australia		0	0	1	1
	male	Ever Smoker			
Netherlands		1	0	0	1
Germany		0	0	1	1
USA		3	0	0	3
UK		0	1	0	1
Australia		1	0	0	1
Total		5	1	1	7
	male	Current Smoker			
Denmark		1	0	0	1
Netherlands		2	0	0	2
Germany		0	0	3	3
USA		11	1	5	17
UK		5	1	2	8
Canada		2	0	1	3
Australia		0	0	2	2
Total		21	2	13	36
	male	Ex Smoker			
Denmark		1	0	0	1
Netherlands		1	0	0	1
USA		7	1	1	9

Text Table 3
Number of studies with information on different types of CHD, by Country, Sex and Smoking

		Fatal CHD	Non-fatal CHD	Fatal & Non-fatal CHD	Total
Country	**Sex**				
UK		5	1	2	8
Canada		3	0	0	3
Australia		0	0	2	2
Total		17	2	5	24
	female	Ever Smoker			
Netherlands		1	0	0	1
Germany		0	0	1	1
USA		0	0	1	1
UK		0	1	0	1
Australia		1	0	0	1
Total		2	1	2	5
	female	Current Smoker			
Denmark		1	0	0	1
Netherlands		1	0	0	1
Germany		0	0	1	1
USA		7	3	2	12
UK		2	1	2	5
Canada		2	0	0	2
Australia		0	0	1	1
Total		13	4	6	23
	female	Ex Smoker			
Denmark		1	0	0	1
USA		5	3	0	8
UK		2	1	0	3
Canada		1	0	0	1
Australia		0	0	1	1
Total		9	4	1	14

Text Table 4
RRs (and 95%CIs) for KANNEL and males in THUN1 and THUN2 by Age

Age		KANNEL			THUN1			THUN2		
Low	High	RR	RRL	RRH	RR	RRL	RRH	RR	RRL	RRH
35	39	1.79	1.43	2.25	3.78	1.11	12.86	3.25	0.82	12.88
40	44	1.76	1.53	2.01	4.47	2.59	7.71	6.28	2.25	17.51
45	49	1.74	1.57	1.92	3.79	2.99	4.80	5.47	3.58	8.36
50	54	1.68	1.55	1.83	3.00	2.63	3.44	3.78	3.03	4.71
55	59*	1.51	1.34	1.70	2.27	2.05	2.51	2.72	2.33	3.18
60	64				1.96	1.79	2.14	2.39	2.12	2.69
65	69				1.73	1.59	1.89	1.90	1.71	2.12
70	74				1.51	1.38	1.65	1.69	1.52	1.88
75	79				1.25	1.11	1.40	1.36	1.20	1.54
80	84				1.47	1.23	1.75	1.44	1.20	1.72
85	99				1.21	0.93	1.56	1.15	0.86	1.53

*: Highest age for KANNEL was 57

3.2 Initial model fitting work

Initial work fitting models to these data revealed some studies that seemed to have trouble with large residuals, in particular the RR estimates from the KANNEL study were all much lower than expected from the other studies. Text-Table 4 gives the results for males for KANNEL, THUN1 and THUN2.

These studies are all very large, have the end-points of fatal CHD and are based in the US. There is a clear major mismatch between the lower RRs in the KANNEL study and the higher RRs in the THUN1 and THUN2 studies. The THUN1 and THUN2 values are based on a man-years analysis, and hence the age the values are against should be in complete alignment – that is we are counting the number of man years in the particular age category and the number of deaths that occurred in that category. In contrast, the values from KANNEL come from a logistic regression, and the age values are those at the start of the study. Deaths were then based on those occurring in the next 6 years. This would suggest an offset in the range of 4 to 5 years but that is still not sufficient to align the results with those seen in THUN1 and THUN2. Going back to the KANNEL study, in Table XII there were details of number of deaths from CHD and the rates /1000 for two age groups (35-45 and 46-57) and 3 factors including smoking. This enabled new estimates of RR (95% CI) for smoking to be estimated: 2.52 (2.16 – 2.93) for age 35-45 and 2.08 (1.93 – 2.24) for age 46-57. These estimates are clearly higher than those estimated from the logistic regression and more in alignment with the THUN1 & 2 values, though still rather low. It was decided to use man-year estimates whenever available and to be careful with treating age coefficients when using logistic or Cox regression models with cohort data.

The large numbers involved in the THUN1 and THUN2 data sets (CPSI and CPSII respectively) leads one to look at the effect of age on risk for smokers and non-smokers and to compare the effects between the two studies. Figures 1a, 1b, 1c, 1d show the log absolute risk of CHD per 100,000 person years for non-smokers (on the left) and for smokers (on the right) by age for THUN1 males, THUN1 females, THUN2 males and THUN2 females respectively. It is clear that risk always increases with age in both non-smokers and smokers, and is always higher in smokers but that the difference in log risk between smokers and non-smokers decreases with age. Figure 2 presents the absolute risk of CHD by age and study separately for non-smokers (2a) and smokers (2b). Figures 3a and 3b similarly plot log risk. Except for the few starting off points at low ages there is a consistent curve for all groups,

just off linear with a slight curve down. Figure 4 shows the graph of log RR for these groups and once again, after the age of 45, there is a very consistent downwards trend until age 80 when there is evidence of levelling out.

Tables 1 and 2 present linear regressions on log risk separately for non-smokers and smokers. 86.5% and 81.1% of the deviance respectively can be accounted for simply by allowing for a linear age effect. Allowing further for sex and study, both of which were highly significant, the deviance explained increases to 96.7% and 95.8% respectively. The estimated effect of age is 0.128 (0.120 – 0.136) and 0.101 (0.093 – 0.108) respectively – that is the risk for smokers starts from a higher level (-1.767 vs –4.205 for non-smokers) but the risk does not go up so fast with age. Due to the small numbers of CHD deaths at low ages these analyses were repeated for age groups with average age >45. The results, given in Tables 3 and 4, were very similar, with 96.1% and 96.3% of the deviance being accounted for, with the effect of age estimated as 0.123 (0.113 – 0.132) and 0.092 (0.085 – 0.099) respectively. These effects are borne out in the analysis shown in Table 5 including the log risk for smokers and non-smokers together, where the difference in the slopes for age is shown clearly as highly significant ($P<0.001$) and the difference for starting level for smokers is estimated as 2.514 (s.e. 0.347, $P<0.001$).

Table 6 presents a simple regression on log RR for smokers vs non-smokers. This shows a massive effect for age, -0.027 (-0.032 – -0.022), no real effect for sex and a marginally significant effect between THUN2 and THUN1 of 0.205 (0.029 – 0.381). Table 7 re-analyses these data putting in weights proportional to 1/variance and using grouped age rather just a linear function of age. Once again there seems to be no effect for sex and a large effect for age but this time there is a very large effect due to differences between the studies, 0.213 (s.e. 0.026). The estimates for age are what one might expect by now, an increase up to the 45-49 age group, which had estimates for RR as 3.649 (3.093 – 4.304) then a steady decrease in log RR over the increasing age groups until some flattening out at ages >80. The final model had a deviance of 56.523 on 30 degrees of freedom which gives a significance for lack of fit of $P=0.002$. Thus we cannot even successfully fit weighted models to these two studies which are almost identical in types of people interviewed, definitions of smoking and causes of death and have relative risk calculated in identical ways. We have allowed for a fixed difference between the studies, particularly as there is good evidence that death rates from CHD have been declining over the later years of the 20th century. Interestingly the

estimate for the relative risk was positive, 0.213 (se 0.026) for THUN2 vs THUN1 suggesting that the relative risk has increased between the two studies, even though the overall death rates have decreased, presumably as the decline over time has been greater in non-smokers.

3.3 Conclusions from initial model fitting

Thus this preliminary work suggests the following points to take care of when modelling the whole set of data:

a) Sex does not seem to be a very important factor in the relative risks of CHD, though it is clearly important when considering risk on its own. In particular it is reasonable to include into the analysis studies where relative risks are only available for the sexes combined data.

b) Age is crucially important and how that is treated will greatly affect the analyses performed. For reasons mentioned above we will use man-years analysis data where possible and put in age as a grouped variable when feasible. The following two algorithms were used to decide on the age group appropriate for different RRs:

i) Simple mid-point of age range (Mid Age Parameter)
ii) Simple mid-point of age range for case-control studies and for estimates from man-years, but adding in the period of the study for other prospective studies

Note we take the minimum age to be 30 and the maximum to be 99.
Finally we group the values into 10 year and 5 year groupings.
Modelling included variables based upon both of these variables, using both grouped values and the actual value. When used as a simple parameter, estimates and standard errors were given rather than relative risks and confidence intervals.

c) There is a strong possibility that RR may change over time – the THUN1 and THUN2 results reflect differences in rates between 1959-1965 and 1982-1988. A factor allowing for this should be added into the analysis. However, we must be careful deciding the appropriate value for a particular study as case-control studies are based on current disease whereas prospective studies look to disease occurring from the study inception forwards. It was decided to take the mean age of start and end of study for case-control studies and two thirds of the distance between the start and the

final year of follow-up for prospective studies and then to group the result into periods: before 1960, 1960-69, 70-79, 80-89, >=1990.

d) Even the best model for weighted analyses will probably show significant deviation from fit. If the best models trying to fit the THUN1 and THUN2 studies show significant heterogeneity, we are unlikely to be able to fit the other studies that will be based on very different types of studies with their own definitions. This means we must be careful when basing inferences on small drops in deviance being compared to a chi-squared statistic.

3.4 Analyses of the complete database

Tables 8 and 9 give details of the 204 estimates of RR of CHD which are available for analysis, 16 for ever smoking, 137 for current smoking and 51 for ex-smoking. Table 10 presents the results of univariate analysis of these RRs by the main factors of interest. Taken on their own, the estimates of relative risk are summarised in Text-Table 5a for ever smoking, Text-Table 5b for current smoking and Text-Table 5c for ex smoking.

Text Table 5a Univariate Analyses of CHD RR, Smoking Type: Ever Smoking			
Factor	**Number of RRs**	**Original and Drop in Deviance**	**RR (95% CIs)**
		304.52	
Sex		69.97*	
Combined	1		1.41 (1.04 – 1.91)
Male	9		1.69 (1.64 – 1.74)
Female	6		3.49 (2.94 – 4.13)
Heart Disease Type		120.47***	
Fatal	8		1.69 (1.64 – 1.74)
Nonfatal	4		1.49 (1.25 – 1.77)
Both	4		5.57 (4.50 – 6.89)
Country		282.93***	
Netherlands	2		2.13 (1.21 – 3.76)
Germany	2		26.35 (19.10 – 36.36)
USA	5		1.69 (1.64 – 1.74)
UK	4		1.49 (1.25 – 1.77)
Australia	3		1.42 (1.13 – 1.78)
Grouped Mid-year Study or Final Follow-up		113.73***	
Pre 1960	2		1.69 (1.64 – 1.74)
60 – 69	4		5.44 (4.39 – 6.76)
70 – 79	7		1.61 (1.37 – 1.90)
80 – 89	2		1.44 (1.02 – 2.02)
1990+	1		1.41 (1.04 – 1.91)
Mid-age as Parameter	16	70.10***	-0.295 (0.0353)
Mid Age Group		289.30***	
30-39	2		26.35 (19.10 – 36.36)
40-49	7		1.69 (1.54 – 1.85)
50-59	4		1.70 (1.64 – 1.75)
60-69	2		1.16 (0.92 – 1.47)
70-79	1		1.41 (1.04 – 1.91)
Flue Cured v Blended		5.50*	
Flue cured	7		1.46 (1.27 – 1.68)
Blended	9		1.73 (1.68 – 1.79)

Text Table 5a Univariate Analyses of CHD RR, Smoking Type: Ever Smoking			
Factor	**Number of RRs**	**Original and Drop in Deviance**	**RR (95% CIs)**
Case-control v prospective		24.68***	
Case-control			2.35 (2.07 – 2.66)
Prospective			1.69 (1.64 – 1.74)
Estimated age parameter (linear)		128.36***	-0.0346 (0.0031)
Estimated age 5-year groups		291.17***	
30-34	2		26.35 (19.10 – 36.36)
40-44	2		2.04 (1.57 – 2.66)
45-49	1		5.11 (2.26 – 11.57)
55-59	1		1.60 (1.44 – 1.77)
60-64	5		1.69 (1.64 – 1.74)
70-74	3		1.52 (1.16 –1.99)
80-84	1		1.38 (0.94 – 2.03)
85-89	1		1.41 (1.04 – 1.91)

Key: *** p<0.001, ** p<0.01, * p<0.05, (*) p<0.1

Text Table 5b Univariate Analyses of CHD RR, Smoking Type: Current Smoking			
Factor	**Number of RRs**	**Original and Drop in Deviance**	**RR (95% CIs)**
		2059.29	
Sex		87.31***	
Combined	4		2.43 (2.01 – 2.95)
Male	80		1.79 (1.76 – 1.82)
Female	53		2.08 (2.02 – 2.14)
Heart Disease Type		255.01***	
Fatal	92		1.75 (1.72 – 1.78)
Nonfatal	12		2.67 (2.53 – 2.82)
Both	33		2.04 (1.97 – 2.11)
Country		439.57***	
Denmark	3		1.84 (1.70 – 1.99)
Netherlands	4		2.01 (1.63 – 2.49)
Germany	3		2.50 (1.99 – 3.15)
USA	9		1.77 (1.74 – 1.80)
UK	16		1.97 (1.89 – 2.05)
Canada	12		1.50 (1.40 – 1.61)
Australia	4		3.09 (2.93 – 3.26)
Grouped Mid-year Study or Final Follow-up		581.62***	
Pre 1960	22		1.50 (1.45 – 1.54)
60 – 69	37		1.71 (1.67 – 1.76)
70 – 79	23		1.96 (1.88 – 2.04)
80 – 89	46		2.28 (2.21 – 2.34)
1990+	9		2.62 (2.47 – 2.77)
Mid-age as Parameter (linear)	136	431.86***	-0.137 (0.0066)
Mid Age Group		530.10***	
30-39	10		4.11 (3.62 – 4.66)
40-49	40		2.06 (1.99 – 2.13)
50-59	40		2.05 (2.01 – 2.10)
60-69	19		1.73 (1.68 – 1.78)
70-79	14		1.43 (1.38 – 1.49)
80-89	10		1.37 (1.26 – 1.49)
90+	4		1.16 (1.02 – 1.34)
Flue Cured v Blended		130.58***	
Flue cured	32		2.16 (2.10 – 2.22)
Blended	105		1.77 (1.75 – 1.80)

Text Table 5b Univariate Analyses of CHD RR, Smoking Type: Current Smoking			
Factor	**Number of RRs**	**Original and Drop in Deviance**	**RR (95% CIs)**
Case-control v prospective		193.47***	
Case-control	18		2.60 (2.48 – 2.73)
Prospective	119		1.80 (1.78 – 1.83)
Estimated age parameter (linear)		939.94***	-0.0180 (0.0006)
Estimated age 5-year groups		1124.16***	
30-34	3		8.73 (6.74 – 11.32)
35-39	6		3.30 (2.85 – 3.83)
40-44	10		3.18 (2.98 – 3.39)
45-49	13		1.90 (1.80 – 2.02)
50-54	20		2.43 (2.35 – 2.51)
55-59	13		1.91 (1.83 – 1.99)
60-64	5		2.03 (1.91 – 2.14)
65-69	15		1.65 (1.59 – 1.70)
70-74	11		1.65 (1.59 –1.72)
75-79	13		1.44 (1.37 –1.52)
80-84	5		1.31 (1.19 – 1.43)
85-89	6		1.34 (1.25 – 1.43)
90-94	7		1.24 (1.11 – 1.39)
95+	10		1.07 (0.90 – 1.27)

Key: *** p<0.001, ** p<0.01, * p<0.05, (*) p<0.1

Text Table 5c Univariate Analyses of CHD RR, Smoking Type: Ex Smoking			
Factor	**Number of RRs**	**Original and Drop in Deviance**	**RR (95% CIs)**
		323.53	
Sex		5.08(*)	
Combined	1		1.79 (1.14 – 2.81)
Male	30		1.22 (1.20 – 1.24)
Female	20		1.28 (1.21 – 1.35)
Heart Disease Type		4.30	
Fatal	36		1.24 (1.21 – 1.26)
Nonfatal	8		1.16 (1.10 – 1.23)
Both	7		1.22 (1.14 – 1.30)
Country		8.84	
Denmark	2		1.36 (1.24 – 1.50)
Netherlands	1		0.99 (0.47 – 2.08)
Germany	0		
USA	26		1.23 (1.20 – 1.26)
UK	14		1.20 (1.15 – 1.25)
Canada	4		1.39 (1.16 – 1.67)
Australia	4		1.21 (1.13 – 1.30)
Grouped Mid-year Study or Final Follow-up		35.15***	
Pre 1960	6		1.24 (1.21 – 1.27)
60 – 69	7		0.97 (0.88 – 1.06)
70 – 79	10		1.34 (1.24 – 1.44)
80 – 89	21		1.24 (1.18 – 1.30)
1990+	7		1.16 (1.09 – 1.23)
Mid-age as Parameter (linear)	50	17.62***	-0.046 (0.0108)
Mid Age Group		30.43***	
30-39	2		1.17 (0.97 – 1.40)
40-49	16		1.40 (1.33 – 1.47)
50-59	16		1.24 (1.18 – 1.29)
60-69	10		1.20 (1.17 – 1.22)
70-79	1		0.99 (0.47 – 2.08)
80-89	6		1.22 (1.09 – 1.36)
90+	0		
Flue Cured v Blended		1.08	
Flue cured	22		1.21 (1.17 – 1.25)
Blended	29		1.23 (1.21 – 1.26)

Text Table 5c Univariate Analyses of CHD RR, Smoking Type: Ex Smoking			
Factor	**Number of RRs**	**Original and Drop in Deviance**	**RR (95% CIs)**
Case-control v prospective		4.11*	
Case-control			1.16 (1.10 – 1.23)
Prospective			1.23 (1.21 – 1.26)
Estimated age parameter (linear)		36.68***	-0.0038 (0.0006)
Estimated age 5-year groups		197.31***	
30-34	0		
35-39	2		1.17 (0.97 – 1.40)
40-44	3		1.59 (1.45 – 1.73)
45-49	3		1.74 (1.38 – 2.20)
50-54	5		1.21 (1.13 – 1.30)
55-59	5		1.61 (1.41 – 1.84)
60-64	4		1.53 (1.45 – 1.61)
65-69	8		0.89 (0.82 – 0.96)
70-74	4		1.16 (1.09 – 1.24)
75-79	8		1.23 (1.10 – 1.37)
80-84	1		0.86 (0.52 – 1.42)
85-89	4		1.19 (1.16 – 1.22)
90-94	2		1.21 (1.07 – 1.37)
95+	2		1.43 (1.11 – 1.83)

Key: *** p<0.001, ** p<0.01, * p<0.05, (*) p<0.1

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Various conclusions can be drawn from these tables:

a) Most of our factors have an effect on the RRs, but sometimes this is quite small. The largest effects are seen where forms of age are taken as the factor of interest, with in particular the age estimated in 5 year periods accounting for 95.6%, 54.6% and 61.8% of the deviance for ever smokers, current smokers and ex-smokers respectively. In contrast to this, gender only accounted for 23.0%, 4.2% and 1.6% of the deviance.

b) There was some initial evidence of a difference between flue cured and blended cigarettes in current smokers, with flue cured having a higher relative risk of 2.16 compared to the 1.77 of blended cigarettes. However, the estimate for ever smokers was lower for flue cured cigarettes at 1.46 than for blended cigarettes at 1.73. Ex smokers had very similar estimates, 1.21 and 1.23 for flue cured and blended respectively.

c) For ever smokers there were some very large estimates of RR for Germany and for young age groups. This was due to the DOERKE study, where the estimated RRs of 22.2 for males and 26.6 for females seem a long way away from all other estimates, even for young age groups.

d) Comparison between the different smoking types is complicated by the major effect of age, but comparing the estimates over the estimated 5 year age groups gives the impression that RRs for ex smokers are much lower, whereas those for ever and current are fairly similar.

Due to the very large effect of age it was decided to repeat this type of analysis after first forcing the factor for estimated 5 year age groups into the model. These results are given in Table 11.

For ever smokers there was very little deviance left to explain. Any model that could separate off the DOERKE study showed a significant decrease in deviance, but this probably did not mean very much. For current smokers there is still a lot of deviance to explain. Text Table 6a shows the results for the remaining non-age based factors. Note that as age is forced into the model we have to choose a level around which to base the RRs – in this case we have chosen the age range 60-64 as that is present for all smoking types. From the table we can see that a lot of the remaining deviance is accounted for by factors for country or mid-year

for study. Gender is still significant while there is still a small effect apparent for flue cured vs blended cigarettes.

Text Table 6b gives the results for ex smokers. There were still some sizeable reductions in the deviance for country and for Mid-Year Study, but nothing very much for the other factors, with nothing apparent at all for flue-cured vs blended cigarettes.

In Table 12 we show the results of a multivariate "top-down" regression analysis, with Estimated age group first being forced into the model, and then the most significant factors being introduced in turn. For ever smokers the results simply reflected which factor most easily identified the DOERKE study. For current smokers, first country is included, then Mid-Year study. Even after these there was still an effect visible for Type of CHD and finally gender was still significant. As flue cured and blended cigarettes are defined by country, there would be no more information on that factor once country was included in the model. In total we have accounted for 77.6% of the deviance in the model, though the final model still has a deviance of 460.6 on 109 degrees of freedom. This is a very significant lack of fit, but as we mentioned above, we could not even fit all the THUN1 and THUN2 data so this is really to be expected.

For ex smokers, after bringing in country there was then no significant effect of Mid-Year Study, though Type of CHD still accounted for a small but significant decrease in the deviance. For this final model we accounted for 72.7% of the original deviance, but once again we were left with a highly significant lack of fit with a deviance of 88.2 on 31 degrees of freedom.

To examine in particular the effect of country or flue cured and blended cigarettes we forced factors for estimated age group, gender, type of heart disease and grouped mid-year of study into the regression model and then separately introduced the extra factors of interest. The results are shown in Table 13. The results for ever smokers had no deviance left to explain and hence were of no real interest. For current smokers, there were still highly significant effects for country and for flue cured versus blended cigarettes as show in Text Table 7a. Note that we have chosen Males aged 60-64 with fatal CHD and whose study me-year or follow-up year was in 1970 – 79 as the reference point for the RRs of interest. It can be seen that the estimates for Germany at 2.53 and Australia at 2.83 were quite a lot higher

Text Table 6a Analyses of CHD RR, Smoking Type: Current Smoking After allowing for Age			
Factor	**Number of RRs**	**Original and Drop in Deviance**	**RR (95% CIs) for Age 60-64**
		935.13	
Sex		69.19***	
Combined	4		2.23 (1.82 – 2.72)
Male	80		1.94 (1.83 – 2.05)
Female	53		2.24 (2.13 – 2.35)
Heart Disease Type		14.00**	
Fatal	92		2.03 (1.92 – 2.15)
Nonfatal	12		2.29 (2.17 – 2.40)
Both	33		1.95 (1.88 - 2.02)
Country		224.67***	
Denmark	3		2.36 (2.12 – 2.64)
Netherlands	4		1.98 (1.60 – 2.43)
Germany	3		2.76 (2.20 – 3.45)
USA	9		2.05 (1.94 – 2.17)
UK	16		2.30 (2.24 – 2.37)
Canada	12		1.57 (1.50 – 1.65)
Australia	4		2.95 (2.83 – 3.07)
Grouped Mid-year Study or Final Follow-up		331.77***	
Pre 1960	22		1.61 (1.50 – 1.72)
60 – 69	37		1.85 (1.76 – 1.95)
70 – 79	23		2.01 (1.94 – 2.08)
80 – 89	46		2.45 (2.33 – 2.57)
1990+	9		2.13 (2.05 – 2.12)
Flue Cured v Blended		23.70***	
Flue cured	32		2.22 (2.07 – 2.37)
Blended	105		2.01 (1.90 – 2.12)
Case-control v prospective		0.19	
Case-control	18		2.06 (1.88 – 2.24)
Prospective	119		2.03 (1.91 – 2.14)

Key: *** p<0.001, ** p<0.01, * p<0.05, (*) p<0.1

Text Table 6b Analyses of CHD RR, Smoking Type: Ex Smoking After allowing for Age			
Factor	**Number of RRs**	**Original and Drop in Deviance**	**RR (95% CIs) For Age 60-64**
		126.22	
Sex		9.82**	
Combined	1		1.71 (1.01 – 2.91)
Male	30		1.53 (1.45 – 1.61)
Female	20		1.71 (1.59 – 1.83)
Heart Disease Type		8.46*	
Fatal	36		1.53 (1.45 – 1.62)
Nonfatal	8		1.23 (1.00 – 1.51)
Both	7		1.20 (1.00 - 1.45)
Country		29.79***	
Denmark	2		2.18 (1.88 – 2.53)
Netherlands	1		1.25 (0.59 – 2.64)
Germany	0		
USA	26		1.53 (1.45 – 1.61)
UK	14		1.58 (1.52 –1.64)
Canada	4		1.54 (1.24 – 1.92)
Australia	4		1.20 (0.92 – 1.57)
Grouped Mid-year Study or Final Follow-up		24.75***	
Pre 1960	6		1.53 (1.45 – 1.62)
60 – 69	7		1.20 (0.95 – 1.52)
70 – 79	10		1.63 (1.32 – 2.02)
80 – 89	21		1.45 (1.21 – 1.75)
1990+	7		1.37 (1.09 – 1.72)
Flue Cured v Blended		0.014	
Flue cured	22		1.52 (1.40 – 1.65)
Blended	29		1.53 (1.45 – 1.61)
Case-control v prospective		2.52	
Case-control	8		1.29 (1.03 – 1.60)
Prospective	43		1.53 (1.45 – 1.61)

Key: *** p<0.001, ** p<0.01, * p<0.05, (*) p<0.1

Text Table 7a Analysis of CHD RR by Country and Smoking Type: Current Smoking After allowing for Age, Sex, Heart Disease Type and Grouped Mid-Year			
Factor	**Number of RRs**	**Original and Drop in Deviance**	**RR (95% CIs) for Age 60-64, Male, Fatal CHD, Study 1970-79**
		557.07	
Country		96.50***	
Denmark	3		2.23 (2.00 – 2.48)
Netherlands	4		1.92 (1.50 – 2.45)
Germany	3		2.53 (1.98 – 3.23)
USA	95		1.99 (2.04 – 1.94)
UK	16		2.30 (2.20 – 2.40)
Canada	12		1.83 (1.66 – 2.02)
Australia	4		2.83 (2.51 – 3.19)
Flue Cured v Blended		25.39***	
Flue cured	32		2.23 (2.04 – 2.44)
Blended	105		1.96 (1.82 – 2.11)

Key: *** p<0.001, ** p<0.01, * p<0.05, (*) p<0.1

Text Table 7b Analysis of CHD by Country and Smoking Type: Ex Smoking After allowing for Age, Sex, Heart Disease Type and Grouped Mid-Year			
Factor	**Number of RRs**	**Original and Drop in Deviance**	**RR (95% CIs) for Age 60-64, Male, Fatal CHD, Study 1970-79**
		82.52	
Country		6.37	
Denmark	2		1.21 (0.74 – 1.99)
Netherlands	1		1.04 (0.51 – 2.13)
Germany	0		
USA	26		1.23 (0.94 – 1.61)
UK	14		1.29 (0.99 – 1.68)
Canada	4		0.96 (0.79 – 1.17)
Australia	4		0.96 (0.70 – 1.33)
Flue Cured v Blended		0.72	
Flue cured	32		1.54 (1.21 – 1.96)
Blended	104		1.49 (1.19 – 1.88)

than those for the UK at 2.30 with USA, Denmark, Netherlands and Canada down at around 1.8 to 2.0. When sorted into flue-cured or blended cigarettes we get an RR of 2.23 (2.04 to 2.44) for flue cured which is significantly greater than the 1.96 (1.82 to 2.11) for the blended cigarettes. Note that we still have significant heterogeneity in the final models, with 460.57 on 109 degrees of freedom when allowing for country and 531.68 on 114 degrees of freedom after allowing for flue cured versus blended cigarettes.

Text Table 7b shows the similar results for ex smokers. Here there is no effect either for country of flue cured versus blended cigarettes with values seen of 1.54 (1.21 – 1.96) for flue cured versus 1.49 (1.19 – 1.88) for blended cigarettes. Again there is still significant heterogeneity present with a deviance of 76.15 on 25 degrees of freedom after allowing for country and 81.80 on 29 degrees of freedom after allowing for flue cured versus blended cigarettes.

As the RRs for ever smokers and current smokers were not too different it seemed reasonable to try modelling them together. In Table 14 we give the results of a top down analysis on the combination of RRs for ever and current smokers, with estimated age group forced into the model at the start. An extra factor allowing for a difference between ever smokers and current smokers was available as one of the factors available for inclusion, but it did not appear in the results suggesting that these results could be analysed together. Due to the problems with the DOERKE study an extra variable allowing for this study was included, so effectively treating it as an outlier. The model brought in (at significance levels $p<0.05$) the factors gender, country, grouped mid-year, CHD type, prospective versus case-control and DOERKE study or not. The final model accounted for 79.7% of the original deviance of 2,385.82 but there was still evidence of significant heterogeneity as the final deviance was 485.09 on 123 degrees of freedom.

Finally in Table 15 we forced age, the DOERKE study variable, gender, CHD type, grouped mid-year and the prospective versus case control variable into the model and then added country or flue cured versus blended cigarettes. Country accounted for a drop in deviance of 76.45 on 6 degrees of freedom, with high RRs for Germany (2.44) and Australia (2.57), intermediate values for UK (2.21), Denmark (2.21) and Netherlands (2.14), and lower values for USA (1.95) and Canada (1.74). The factor for flue cured versus blended was still significant with a drop in deviance of 12.91 on 1 degree of freedom, and RRs of 2.23 (2.07 –

2.42) for flue cured and 2.04 (1.92 – 2.17) for blended cigarettes. This effect is less than we saw when the current smokers alone were considered. It is also worth noting that in the top down modelling country was brought in rather than flue cured vs blended and accounted for much more of the deviance. This would tend to suggest that the difference in the countries may well not be best explained by the differences in the blending process. However, this was the a priori hypothesis that we were testing which does give some added weight to the significance we found.

4. SUMMARY

After an extensive literature search, a database of 204 Relative Risks (RRs) of Coronary Heart Disease (CHD) for ever smokers, current smokers or ex smokers was created. These RRs came from seven countries, Australia, Canada, Denmark, Germany, The Netherlands, The UK and USA with no values being available from an eighth country, Austria. In three of these countries, Australia, Canada and the UK, cigarettes are manufactured primarily using flue cured tobacco, the other four, Denmark, Germany, The Netherlands and USA, using primarily blended tobacco.

After initial analyses, values for a set of factors were created for each RR so that the RRs could be modelled according to study, sex and age. Initial detailed analyses of the very large THUN1 and THUN2 data sets[1] revealed a marked increase in risk in both smokers and non-smokers with age, a decrease in RR by age, the small effect that gender had on the RRs, and the significant heterogeneity left after even the best fit to the data.

Most analyses were done separately for ever smokers, current smokers and ex-smokers separately. The marked effect of age meant that estimated age group was included in all models of interest. For ever smokers, after allowing for age there was little deviance left to explain and this was mainly dominated by one study, DOERKE[2], which had very large and atypical estimates of RR.

In current smokers other factors with strong effects were Grouped Mid-year of Study (or Year of Follow-up for prospective trials) and country, with some minor effects seen on gender and type of CHD and the factor contrasting flue cured and blended cigarettes. In an analysis which first included age, grouped mid-year of study, gender and type of CHD, the effect of then adding country or flue cured versus blended cigarettes was examined. Country was significant with high values being seen for Australia and Germany, intermediate values for the UK, and low values for Canada, USA , Denmark and the Netherlands. Flue cured versus blended cigarettes was also significant, the estimate of 2.23 (2.04 to 2.44) for flue cured being significantly greater than that of 1.96 (1.82 to 2.11) for blended cigarettes.

Ex smokers had much lower estimates for RRs than current smokers, but while large effects were still seen for age and mid-year of study, after allowing for these there was no effect apparent for country or for flue cured versus blended cigarettes.

Thus the data seem to provide some evidence that the relative risk of CHD in current smokers versus non-smokers is higher in smokers of flue cured tobacco than in cigarettes manufactured from blended tobacco. However the effect was small and there was still large unexplained heterogeneity in even the best models fitted to the data.

APPENDIX 1

Sources of relative risks

Canada

1. DAGEN2[6]

Adjusted relative risks (with 95% CIs) for coronary artery disease (CAD) are available in Table 4 (page 63) for ex-smokers and for current smokers of cigar and/or pipes and of 1-20 and >20 cigarettes per day versus never smokers. The relative risks for cigars and cigarette smoking were combined together using the Relative Risk estimation program (RREST) to give a relative risk for smoking (all products) of 2.961 (1.376 – 6.371).

2. DEPART[4]

From Table 8.1 on page 46 we can obtain the observed (O), expected (E) and mortality ratios (MR) of males for Coronary Heart Disease (CHD), (ICD 420.1):

Ex-smokers cigarettes only: O = 161, E = 110.17, MR = 1.46

Current cigarettes only: O=1380, E = 859.98, MR = 1.60

From Table A8.1 (page 122) we find that for Never smokers O = 248

Hence for current smokers we have:

Cigarettes	O	E	R = Ratio O/E	E' = E* R_{Total}
Current	1380	859.98	1.605	1263.60
Never	248	248.00	1	364.40
Total	1628	1107.98	1.469	1628

Now $Var \log RR \approx 1/E_C' + 1/E_N'$

= 0.0035356

Thus giving approximate 95% CIs of 1.43 to 1.80.

Similarly for ex-smokers we have:

Cigarettes	O	E	R = Ratio O/E	E' = E* R_{Total}
Ex-smokers	161	110.17	1.461	125.80
Never	248	248.00	1	283.20
Total	409	358.17	1.142	409

Giving approximate CIs of 1.18 to 1.80.

For females we only have data on ever smoking, given in Table 14.1 (page 82) and Table 14.3 (page 83). With only 46 observed deaths it was not thought suitable to calculate different risk estimates for different age ranges. The equivalent table for females (all ages), ever smoking then became:

Cigarettes	O	E	R = Ratio O/E	E' = E* R_{Total}
Ever	46	35.63	1.291	38.407
Never	97.41	97.41	1	105.003
Total	143.41	133.04	1.078	143.41

Giving approximate CIs of 0.89 to 1.87.

3. SEMENC[9]

From the methods section the total population at risk for males and females was available, together with the numbers reporting heart disease or stroke – cardiovascular disease (CVD). Table 2 gave relative risks of CVD mortality for Never, Ever, Ex smokers and current pipe/cigar and cigarette smokers <20 and >=20 cigs/day, males and females. The values for current smoking were put into the RREST program to get estimates of relative risk and CIs for current smoking of all products of 2.541 (1.658 – 3.896) for males and 1.367 (0.849 – 2.203) for females.

4. TATE[10]

This was a prospective study on a cohort of 3,983 WWII Royal Canadian Air Force male aircrew followed up from 1948 to 1993. Table 2 (page 418) gave age specific relative risk estimates (and CIs) for ischemic heart disease (fatal and non-fatal) for current versus

never smokers, adjusted for many factors using a Cox Proportional Hazard model. These different rates and CIs were entered into the database.

Australia

1. ALROOM[11]

Table 5 (page 250) gave numbers of cases and control for non-smokers, ex-smokers and current smokers. The data were for both sexes combined and the cases were of acute MI (AMI) fatal or non-fatal. The numbers were put into the CIA program to give estimates of RR of 1.79 (1.14 – 2.81) for ex-smokers and 2.24 (1.47 – 3.41) for current smokers.

2. CHUN[12]

Table 4 (page 511) gave age-adjusted relative risk (with CIs) for fatal or non-fatal MI or coronary death for men and women of 2.9 (2.7-3.1) and 3.5 (3.2 – 3.6) for current smokers and 1.2 (1.1 – 1.3) and 1.2 (1.1 – 1.4) for ex-smokers.

3. KNUIMA[13]

Table 3 gave coefficients and standard errors (SE) for men and women from a logistic regression including smoking, age, systolic blood pressure (SBP), cholesterol and body mass index (BMI). It was presumed that smoking was current versus non-smoking. The exponential of the coefficient for smoking was used as estimates of relative risk, with CIs taken as exp(coefficient +/- 1.96 SE). The estimates for smoking including BMI were used on the basis that we always choose the estimates with the most adjustment factors included, giving RRs of 1.43 (0.96 – 2.14) for men and 1.45 (0.76 – 2.75) for women.

4. SIMONS[14]

Table 4 (page 115) gave odds ratios (ORs) and CIs for 5 and 10 year incidence of CVD (fatal and non-fatal) in men and women combined, aged 60 years and over, from a multiple logistic regression model including, among other factors, smoking. It was decided to put the estimate for 10-year incidence, 1.41 (1.04 – 1.91), into the database.

5. SPENCE[15]

Table 3 (page 850) gave the odds ratios (with CIs) of AMI in men for current smokers, ex-smokers and lifelong non-smokers, but relative to current smokers. These

figures were entered into the RREST program to calculate estimates of RRs relative to the non-smokers of 1.250 (0.773 – 2.021) for ex-smokers and 2.500 (1.768 – 3.536) for current smokers.

Germany

1. CREME2[17]

Table 3 (page 228) gave the odds ratio coefficient and SE for smoking within a multivariate logistic regression analysis on risk of MI (fatal or non-fatal). Smoking here was defined as current smokers versus non-smokers at time of survey. RRs were estimated from the exponential of the coefficient; CIs from exponential of coefficients +/- 1.96 SE giving 2.47 (1.90 – 3.20).

2. CULLEN[18]

Odds ratios (taken as RRs) of CHD (fatal and non-fatal) with CIs were available in text on 1635, in section "*Effect of smoking on incidence of coronary heart disease"*. For females the data was age adjusted; 2.13 (0.97 – 4.66). For the males there were values for age <40 of 2.49 (0.85 – 7.27) and for age 40-65 of 2.3 (1.83 – 2.94). These 3 sets of RRs and CIs were put onto the database.

3. DOERKE[2]

Using the data at the end of the methods and in the text of the results on page 23, together with the numbers of cases and controls given in Text-figures 4 and 5 on pages 24 and 25 respectively, the numbers of cases of MI and/or coronary death and controls for males and figures for smokers and non-smokers were calculated. Males had 191 versus 2 cases and 327 versus 76 controls in smokers and non-smokers respectively; females had 31 versus 2 cases and 49 versus 84 controls in smokers and non-smokers respectively. These figures were then put into the CIA program to get the estimates of 22.2 (5.39 – 91.4) for males and 26.6 (6.09 – 11.6) for females.

4. HEIDRI[19]

In Table 3 (page 449) Hazard Rate Ratios and CIs were given for MI (fatal and non-fatal) in males for ex-smokers (1.4, 0.7 – 2.7) and for current smokers of 1-19 and 20+

cigarettes. The data for current smoking was combined using the RREST program giving estimates of 2.966 (1.597 – 5.510).

Netherlands

1. BOER[23]

In Table 3 for men and Table 4 for women (page 769) RRs (adjusted for age and other risk factors) for CHD mortality with CIs were given for current smoking in the presence or not of a family history of MI and categories of other risk factors. These data were first put through RREST to get RRs for those with a family history and separately those without family history of MI and then these RRs were meta-analysed using the RRCI program to give an overall estimate (fixed effects) of 2.416 (1.638 – 3.564) for males and 2.876 (1.379 – 5.995) for females for smoking by itself.

2. HOUTER[25]

In Table 1 (page 26) the numbers at risk and who died from CHD were given for males and females for groups defined by low cholesterol, low and high SBP and for those smoking and no smoking. In Table 2 (page 27) RRs and CIs were available. (Note there were some extra groups but these were only for smokers with high SBP and medium or high cholesterol and so had no proper comparison groups and could not be used.) The data was put into the RREST program to get estimates of RR for smoking for low SBP and high SBP and then combined by meta-analysis using the RLCI program to give estimates (fixed effects) of 2.438 (1.117 – 5.320) for men and 1.827 (0.799 – 4.177) for women for smoking on its own.

3. MATROO[26]

Table 2 (page 148) gave numbers of cases of acute coronary events (ACE, which includes AMI, and sudden death) and controls for different amounts of smoking for males and females combined. Table 3 (page 149) gave the RRs and SEs for these levels, which were converted by the RREST program into an estimate for cigarette smoking (males and females combined) of 1.80 (1.35 – 2.40).

4. WEIJEN[29]

In Table 4 (page 501) the numbers at risk and the numbers of deaths from CHD in elderly men was given for never, former and current smokers. The RRs in the original table referred to risk associated with WBC count, however the numbers were put into the CIA program to give RRs of 0.99 (0.47 – 2.08) for ex-smokers and 1.48 (0.70 – 3.14) for current smokers.

UK

1. ALDER1[30]

Table 3 (page 289) gave details of the relative risks of non-fatal ischaemic heart disease in relation to lifetime history of smoking, compared to cases who had never smoked. Separate results for IHD were given for ages 35-54 and 55 – 74. The results for males were split into various categories of smoking. These were combined using the RREST program to give estimates of 1.94 (1.31 – 2.89) for age 35-54 and 0.90 (0.59 – 1.37) for age 55 – 74 for every smoking of any product. For females only results for those who had only ever smoked manufactured cigarettes were given. The numbers of cases and controls was used to estimate the CIs, giving estimates of 2.13 (1.49 – 3.04) for age 35-54 and 1.30 (0.98 – 1.73) for age 55 – 74.

2. BENSHL[31]

In this analysis of the prospective Whitehall Study, in Table 2 (page 1237) age-adjusted mortality rates per 1000 person-years were given for fatal CHD in men for never smokers, ex-smokers and various forms of current smoking. In Table 1 (page 1236) the numbers of subjects in each of the smoking categories were given. Using the ratio of the rates to estimate the RR and the reciprocal of the numbers of cases to estimate the variance of the estimates, RRs of 1.19 (0.91 – 1.29) for ex-smokers and 1.60 (1.37 – 1.87) for current smoking of all products were calculated.

3. BRETT1[32]

In a study of the smoking habits of men employed in industry and mortality, Table VI (page 85) gave details on annual mortality from coronary thrombosis for non-smokers, ex-smokers and current smokers (split by cigarettes per day), given separately for men aged 40-54 and 55+. These values were used to estimate RRs for ex-smokers of 1.11 (0.56 – 2.22)

and 1.61 (0.91 – 2.87) and for current smokers (cigarettes) of 2.06 (1.17 – 3.63) and 1.83 (1.08 – 3.10) for those aged 40-54 and 55+ respectively.

4. CROFT[35]

In a case-control study concerned with oral contraception and AMI, Table II (Page 166) presented data on the RR for AMI for cigarette smokers of <15 and >=15 cigarettes a day compared to non-smokers. The RREST program was used to combine these to calculate an RR for women of 2.452 (1.656 – 3.631) for current smoking compared to non-smokers.

5. DOLL2[37]

In this paper on the mortality of male British doctors over 40 years, Table IV (page 904) gave results for annual mortality per 100,000 men for IHD, divided into never smokers, ex, current and other smokers. Numbers of deaths as well as rates were given for all vascular deaths, and this was used to estimate the number of deaths for IHD in the various categories and hence an estimate of relative risk. The number of deaths for all causes was used to estimate numbers in the population at risk and hence, together with the estimate of numbers of deaths, estimates of CIs could be derived, giving an estimate of 1.18 (1.10 – 1.28) for ex-smokers and 1.31 (1.22 – 1.42) for current-smokers.

6. DUNN[38]

In another paper on oral contraceptives and MI, Table 1 (page 1581) gave odds ratios for fatal and non-fatal MI in cases and controls for women who had smoked cigarettes in the past year split by number of cigarettes per day (1-9, 20-19, 20+). These values were put into RREST to obtain a RR estimate of 9.707 (7.289 – 12.927) for current cigarette smoking.

7. HUMPHR[43]

In a prospective study of apoliprotein E4 and CHD in male smokers, Table 3 (page 117) gave results from a Cox-proportional hazard model for risk of any CHD event in smokers and ex-smokers, divided by different APOE genotype. In the text below the table RRs of 1.34 (0.86 – 2.08) for ex-smokers and 1.94 (1.25 – 3.01) for current smokers was given. These values were entered into the database.

8. PARISH[44]

In a large case control study concerned with cigarette smoking tar yields and non-fatal MI, Table 3 (page 473) gave numbers of cases and controls for men and women aged 30-59 and 60-79, split by current smoking, former smoking and never smoking. These numbers were entered into the RoeLee database and the RoeLee %RR function used to calculate the estimates of RR with CIs.

9. TANG[34]

In a paper on the prospective British Regional Heart Study, the text on page 208 gave RRs and CIs for current cigarette smoker, pipe/cigar smokers and ex-smokers. The number of never smokers was given in Table 1 on page 206 and the total number followed up in the text on page 205. These figures were put into the RREST program to give estimates of current smoking of any product of 2.01 (1.50 – 2.69), with the estimate for ex-smokers of 1.15 (0.77 – 1.59) taken straight from the text.

10. TUNSTA[47]

From this paper on the Scottish heart health cohort study, estimates of age adjusted hazard ratios were available in Table 2 (page 724) for deaths from CHD for males and females for ex-smokers and current smokers. However, CIs were only given for the trend parameter over these classes (counting 0 as never, 1 as ex and 2 as current smoking). The percentage of people in each class was given, while the total numbers of people at risk were given in Table 1. Using the estimated numbers of deaths in the classes and the CIs over the trend parameter, an approximate CI was calculated for ex-smokers and current smokers separately, for both men and women.

11. WHITEL[41]

In a paper giving results from 25 years of follow-up in the Renfrew and Paisley Survey, Table 2 (page 1591) gave RRs and CIs for CHD mortality for ex-smokers and current smokers for men and women.

USA

1. BAIN[52]

In this paper describing a case-control study on married white males aged thirty to seventy, the text (page 1087) of the paper gives an adjusted RR of CHD mortality for current smokers versus non-current smoker of 1.6 (1.2 – 2.1).

2. BEARD[53]

Table 2 (page 1474) gives the odds ratio and CI for ever smoking versus never smoking females for definite CHD (MI and sudden unexplained death).

3. BUSH[55]

In this study of cardiovascular mortality in women, Table 3 (page 484) gave number of deaths from arteriosclerotic heart disease (total) for women aged 25-44, 45-64 and 65-74, separated by smoking habit; never, ex and current (1-9, 10-20, 21+ cigarettes per day). From Table 1 (page 483) the numbers at risk in each of these groups could be estimated from the overall numbers and the percentages. These numbers were entered into the database and the RoeLee %RR function used to calculate RRs and CIs.

4. BUTLER[56]

This study reported primarily on CHD in diabetics and non-diabetics in the Tecumseh study. In Table 3 (page 544) the results from a Cox proportional hazard model was presented for the nondiabetics and an estimate of the coefficient for number of cigarettes per day given. Using our usual assumptions that was transformed into an estimate of RR for smoking of 1.78, however no standard error was given and the probability was only given as $p<0.001$. This meant that no CIs could be calculated for the RR and hence this study could not be used in the analyses.

5. CARMEL[57]

In this report on 27-year mortality in the Western Collaborative group, Table 3 (page 1348) gave Cox regression coefficients (β) with Z values (β/SE) for CHD mortality in men, split by age ≤48 and >48. Included in the model was "Ever smoked" and hence we could obtain estimates for RR for ever smoking of 1.669 (1.066 – 2.602) for age ≤48 and 1.380 (0.937 – 2.032) for age >48.

6. DOYLE[58]

This report combined results form the Albany and Framingham studies to look at the relationship of cigarette smoking to CHD. Results for the Framingham study will be taken from another study[60] but from this study we can obtain some results for the Albany study. In Table 2 values are give for number of CHD deaths in never, former and current cigarette smokers. Ratios of observed to expected deaths are only given for Albany and Framingham combined and for never smokers and cigarette smokers. Using these ratios we can compute an approximate RR and then CIs from our usual formula of

$$\text{Var}(\log RR) = (1/A + 1/B - 1/N - 1/M)$$

where A and B are observed numbers of death and N and M are the numbers at risk in our comparison groups (here never smokers and cigarette smokers). In this case we obtained the value of 1.658 (1.019 – 2.698).

7. DYER[59]

This paper used Weibull and multiple logistic models to analyse data from the Chicago Peoples Gas Company Study. Unfortunately this paper just concerned total mortality. However, in Table 1 (page 567) the results were given for the model including smoking. Using the values given for the first Exponential Weibull model and an estimate of average number of cigarettes for smokers of 23.157, we could estimate an approximate RR for total mortality of 1.86 (1.47 – 2.35).

8. FREUND[60]

This was a report on 34 year follow-up on the Framingham study. Table 3 (page 420) gave odds ratios and CIs for current smoking versus never smoking, for men, women, age 45-64 and age 65+ separately. These values were entered into the database.

9. FRIED1[61]

This paper reported on an 11 year follow-up of members of the Kaiser-Permanente Medical Care Program. In Table 3 the results from a Multiple Logistic Risk Analysis were given. The model for mortality from CHD was run on white men and women pooled together, including, among other factors, sex, age and smoking. The risk estimate for

smoking was 3.6, but only the probability of <0.001 was given. Using half this probability as an estimate of the actual probability, it was then possible to estimate a SE and hence CIs for the RR of (1.68 – 7.72)

10. FRIED2[62]

This paper reported on a much larger study on members of the Kaiser-Permanente Medical Care Program. This was on 60,000 subjects entering the study between 1979 and 1986 and followed up to 1986. Table 3 (page 485) and Table 4 (page 487) give the numbers of deaths from CHD and the person-years at risk for never-smokers and current smokers, split by age (35-49, 50-64, 65-74, 75+) for females and males respectively. Table 7 and Table 8 gave similar data for never-smokers and ex-smokers. Putting these numbers in the RoeLee database the %RR function was used to estimate RRs and CIs for this data.

11. HAMMON[115]

This paper describes smoking and death rates from a follow-up of 187,783 men for 44 months. In Table 1 (page 1295) numbers and death rates are given for coronary artery disease, split by smoking (none, history of regular cigarette and other (pipes/cigars)) and age group (50-54, 55-59, 60-64, 65-69). The numbers of deaths and estimated man-years were entered into the RoeLee database and the %RR function used to calculate RRs and CIs. In Figure 8 (page 1305) observed and expected numbers of death were given for ex-smokers. This enabled us to estimate an RR of 1.77 (1.53 – 2.03).

12. HAMMO2[64]

This paper is an early report on the CPSI study, reporting on smoking in relation to the death rates of one million men and women. For active smoking we will use later papers by Thun, but for ex-smoking this paper provides some useful data. From the Appendix Table 2a (page 174,175) we can obtain the person-years for never-smokers; Appendix Table 10 (pages 190,191) gives the person years for ex-smokers; Appendix Table 14 (pages 198,199) gives the number of CHD Deaths in non-smokers; Appendix Table 16 (pages 200,201) gives the number of CHD Deaths in ex-smokers. These values were entered into RoeLee and the RR and CIs for ex-smokers calculated 1.49 (1.40 – 1.58).

13. HRUBEC[65]

This paper concerned ex-cigarette smoking and mortality in the U.S. Veterans Study, examining 26 years of follow-up. Table 1 (page 505) gives relative risks for deaths from CHD for ex-smokers, but only to 1 decimal place: 1.2 (1.2 – 1.2). Table 5 (page 511) gives number of deaths and SMRs for CHD for never smokers and ex-smokers. Using the ratio of the SMRs and an estimate of the variance from the reciprocal of the numbers of deaths, an estimate with more decimal places was calculated as 1.19 (1.16 – 1.22).

14. KAHN[67]

This paper reported on the Dorn study look at smoking and mortality in 8 ½ years follow-up among U.S. Veterans. Appendix Table A gave the person years of observation for never or only occasional smokers and the deaths from CHD (ICD 420) on pages 31,32 and for current cigarette smokers on pages 34,35 split by age groups 35-44, 45-54, 55-64 and 65-74. These values were entered into RoeLee and analysed to give RRs and CIs which were then included in the database.

15. KANNEL[68]

This paper reported on CHD mortality in the MRFIT study. In Table VIII (page 832) logistic regression coefficients and SEs were reported for cigarettes/day for different age groupings (35-39, 40-44, 45-49, 50-54, 55-57). Using the estimate of 23.157 cigarettes per day as the average cigarettes for smokers, we could then estimate RRs and CIs for current smokers for the different age groups and enter the estimates into the database.

16. KAWAC2[70]

This paper was concerned with the Nurses' Health Study, looking particularly at smoking and CHD in women. Fatal CHD was reported for ex-smokers in Table 11 (page 554) as 1.62 (1.09 – 2.40) in the most adjusted model, and for current smokers in Table 12 (page 555). The RR for current smokers was reported with never smokers as the numerator and therefore the value had to be inverted to get the RR as 4.35 (3.03 – 5.88).

17. KEYS[71]

This paper was reporting on CHD among 279 business and professional men followed up for 23 years. From Table 2 (page 203) one can compute the number at risk and the number of cases of Hard CHD (CHD deaths + MI) for never smokers, ex-smokers and

current smokers. These values were entered into RoeLee to estimate RRs and CIs and the results put into the database.

18. LACROI[73]

This paper was looking at smoking and mortality in older men and women. In Table 2 (page 1621) RRs and CIs were given for ex and current smokers, men and women. These values, 1.2 (0.8 – 2.0), 1.9 (1.2 – 3.0) for men and 0.5 (0.3 – 1.1), 1.5 (0.9 – 2.5) for females, were entered into the database.

19. MENOT1[74]

This paper used some of the data within the Seven Countries Study of Cardiovascular Diseases. In Table 3 on page 518 the results of a Cox proportional hazards model was given for coronary heart disease. Coefficients for cigarettes per day for the US railroad workers, together with the t-value were given, and these were used to estimate an RR for current smoking of 2.16 (1.75 – 2.67).

20. NESS[77]

This reported on a cross-sectional study of old persons in an academic hospital-based geriatrics practice. Table 1 gave total numbers of men with and without coronary artery disease and the numbers within current smokers, while Table 2 gave the numbers for women. These numbers were entered into RoeLee and RRs and CIs were calculated using the %RR function.

21. PAGANI[78]

This was another study of old persons, this time from residents of a California Retirement Community. Table 2 (page 993) gave age-adjusted RRs and CIs for CHD mortality for ex and current smokers in females, while Table 3 (page 994) gave the RRs and CIs for men. These values, 1.28 (1.06-1.55), 1.47 (1.10 – 1.95) for females and 1.16 (0.98 – 1.37) and 1.41 (1.03 – 1.93) for males, were entered into the database.

22. POOLIN[79]

This paper describes the result of a project to bring together the experience of several prospective studies to better estimate the effects of smoking. The main studies pooled together were the Albany study, Chicago Gas Company, Chicago Western Electric Company,

Framingham and Tecumseh. Values from some but not all have been already entered into the database. Tables 37A, B, C and D give the results of a multiple logistic regression on the pooled data for age groups 40–44, 45-49, 50-54 and 55-59 respectively, where the end point of interest was first major coronary event. Coefficients and SEs for smoking measured as packs per day were present. Converting our estimate of 23.157 cigs/day to 1.158 packs a day, we could then estimate RRs and CIs for each of these age groups. These values were entered into the database.

23. ROSEN1[81]

This paper reported a study on MI and cigarette smoking in young women. In Table 1 smoking was compared between cases who had a non-fatal MI and hospital controls for different age groups, 35-39, 40-44 and 45-49. The numbers were entered into the database and RRs and CIs computed using the %RR function.

24. ROSEN2[82]

This study was similar to the one above but concerned with younger men rather than younger women. From the text on page 1512, RRs and CIs for non-fatal MI from the multivariate model were given as 3.1 (2.6 – 3.8) for current smokers and 1.2 (1.0 – 1.5) for ex-smokers.

25. ROSEN3[83]

This was another case control study similar to the two above, this time examining the decline in the risk of MI among women who stop smoking. From the text on page 214, RRs and CIs for non-fatal MI from the age adjusted model were given as 3.6 (3.0 – 4.4) for current smokers and 1.2 (1.0 – 1.7) for ex-smokers. Note that CIs were not given for the multivariate model estimate.

26. ROSEN4[84]

This study looked at risk factors for CHD in African American Women. The cases were found from a questionnaire survey and were defined as self-reported CHD. The numbers of cases and controls were available from Table 3 for ex-smokers and current smokers. These values were entered into RoeLee, with the RR and CIs for ex-smokers also taken from Table 3, 2.0 (1.4 – 2.7), while those for current smokers were calculated using the RoeLee %RR function.

27. SPAIN[88]

This was a retrospective autopsy study of women who died suddenly and unexpectedly from CHD. Table 1 (page 1006) gave numbers of non-smokers and cigarette smokers for deaths not due to CHD and those due to sudden death from CHD. Putting these figures into RoeLee and using the %RR function estimate the RR value as 9.75 (3.08 – 30.86), which is much larger than any other estimate for US studies. This form of study may not be compatible with the others in this series.

28. THUN1 and THUN2[116]

This was a major report on the CPSI and CPSII million person studies. In Appendix 21 (page 373) age specific deaths and death rates from CHD were presented for men in CPSI and CPSII for never smokers and current smokers, while the figures for women were presented in Appendix 22 (page 374). Approximate man-years were calculated from these and the RRs and CIs calculated by analysing these in RoeLee, giving separate estimates for CPSI and CPSII for age ranges 35-39, 40-44, 45-49, 50-54, 55-59, 60-64, 56-69, 70-74, 75-79, 80-84 and 85+ which were entered into the database referenced by THUN1 and THUN2 respectively.

29. TYROLE[89]

This study looked at IHD risk factors and 20 year mortality in black males. In Table VI (page 745) results from a Cox proportional hazard model on risk of death from IHD were given which included coefficients and probabilities for current and past smoking. This then enabled estimates of RR of 0.91 (0.81 – 1.03) for ex-smokers and 4.08 (1.33 – 12.52) for current smokers to be calculated.

30. WEIR[90]

This reported on smoking and mortality in a prospective study on men in labour unions. Table 5 (page 108) gave an estimate of RR for Arteriosclerotic HD (ICD 420, thus the same as CHD) by cigarette smoking (ever) of 1.60. From Table 4 (page 108) we obtain the total number of deaths from CHD as 1718. Using the given RR this gives an approximate number of deaths for non-smokers and ever smokers of 535 and 1183, and hence an approximate CI of (1.44 – 1.77).

31. YANO1[92]

This paper was a report of 10 year incidence of CHD in men in the Honolulu Heart Program. Table 3 (page 660) gave the coefficients and Z values from a multiple logistic regression on CHD risk including cigarette smoking. From these an estimate of 1.40 (1.19 – 1.64) for current smoking was calculated.

32. YUSUF[93]

This paper reported on the NHANESI prospective study examining CVD Risk. In Table 2 (page 4) RRs and CIs were reported for current smoking for men and women. These were added to the database.

Austria

There were no useable studies.

Denmark

1. PRESC1[98]

Table 3 (page 30) presents age-adjusted mortality rates and relative risks for deaths from ischaemic heart disease for never smokers, ex-smokers and current smokers of <15 cigs/day and >= 15 cigs/day. No CIs were given, but using values in the table, approximate expected numbers of deaths could be calculated, and hence estimates of the variance of log RR. These values were entered into an Excel spread sheet which gave estimates for ex-smokers of 1.4 (1.25 – 1.57) for males and 1.3 (1.11 – 1.52) for females, and for all current smokers 1.8 (1.63 – 1.99) for males and 1.89 (1.65 – 2.18) for females.

2. VONEYB[113]

In this study on men and women with acute MI before the age of 41, Table II (page 27) presents ORs and CIs for smoking for males and females combined. The values from the final model, allowing for cholesterol, gave an estimate for` smoking of 6.4 (1.7 – 24.1).

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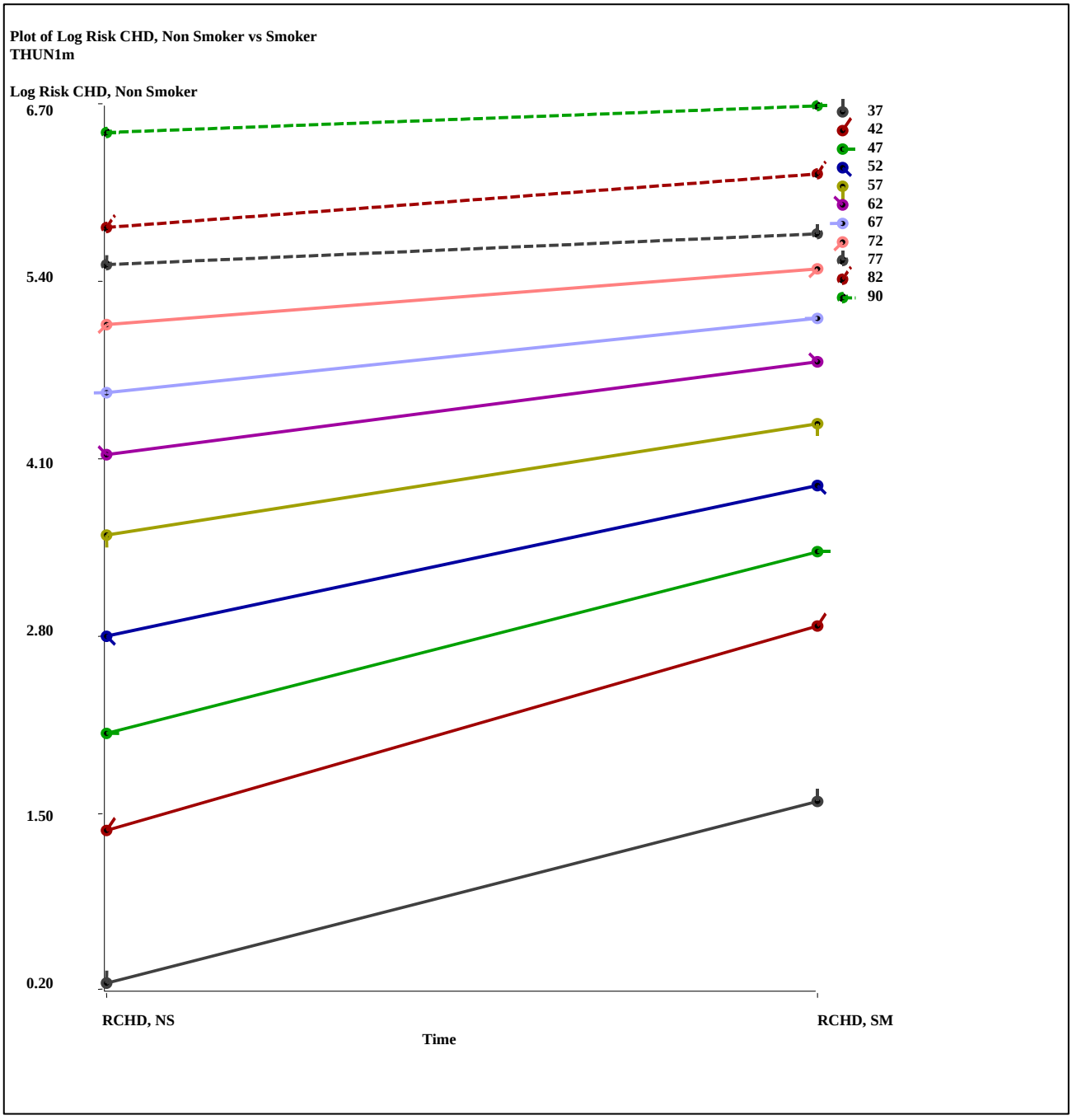
Figure 1a
IESHD - Analysis of CPSI and CPSII data as presented in THUN1997D
CHD: Fatal
Plots



Analysis run on 23-FEB-06

Figure 1b
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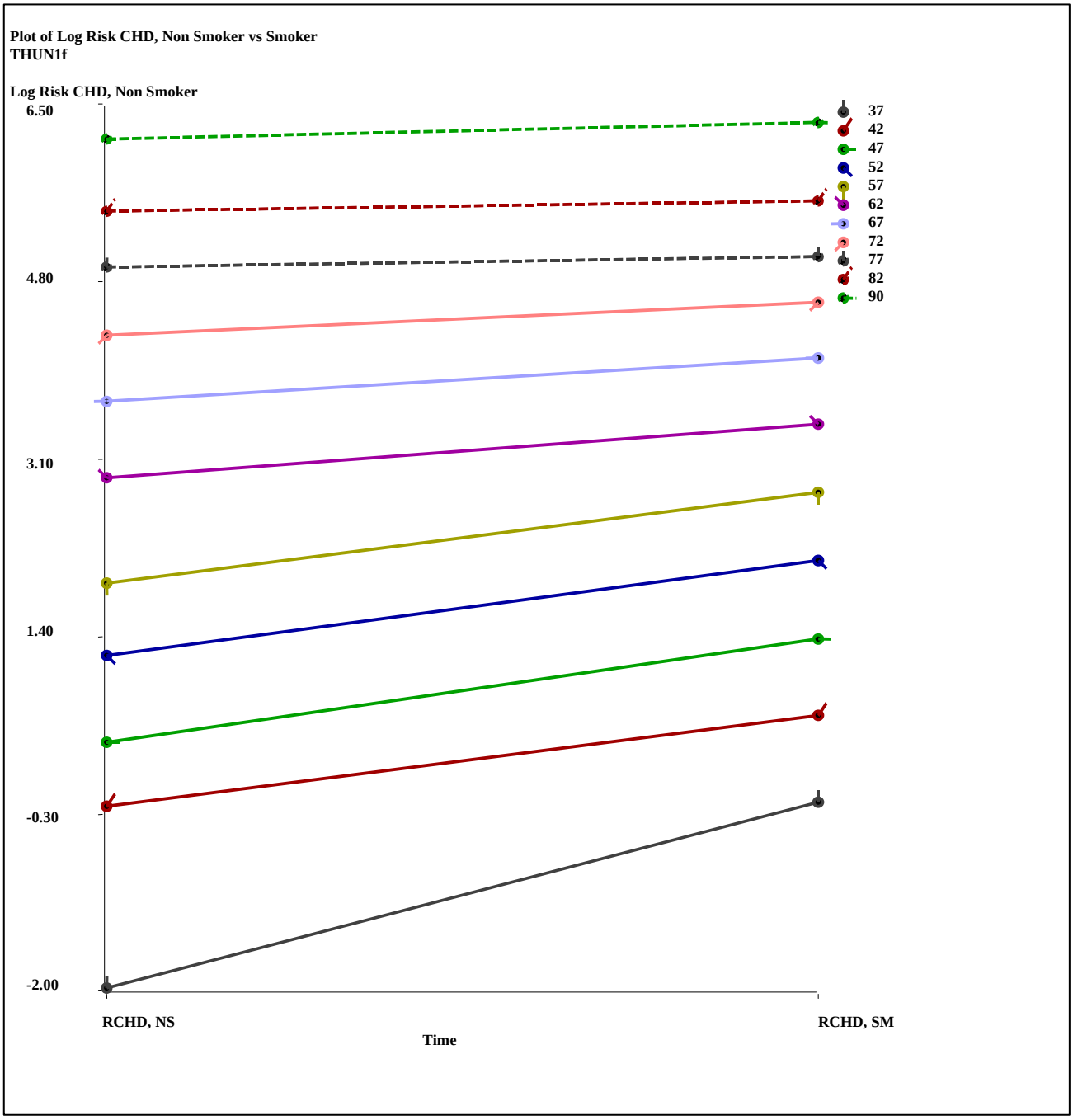

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Figure 1c
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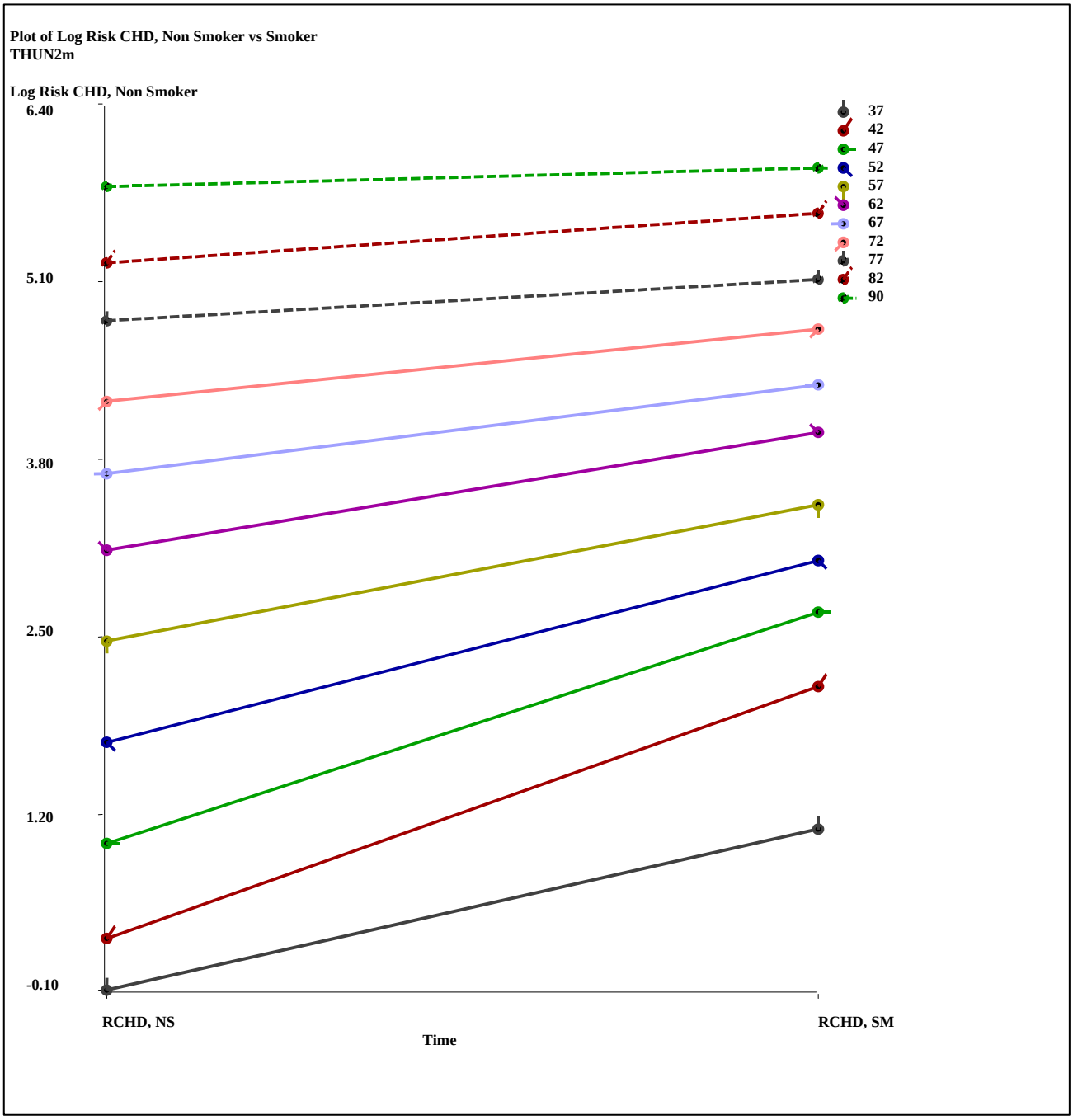

Analysis run on 23-FEB-06

Figure 1d
IESHD - Analysis of CPSI and CPSII data as presented in THUN1997D
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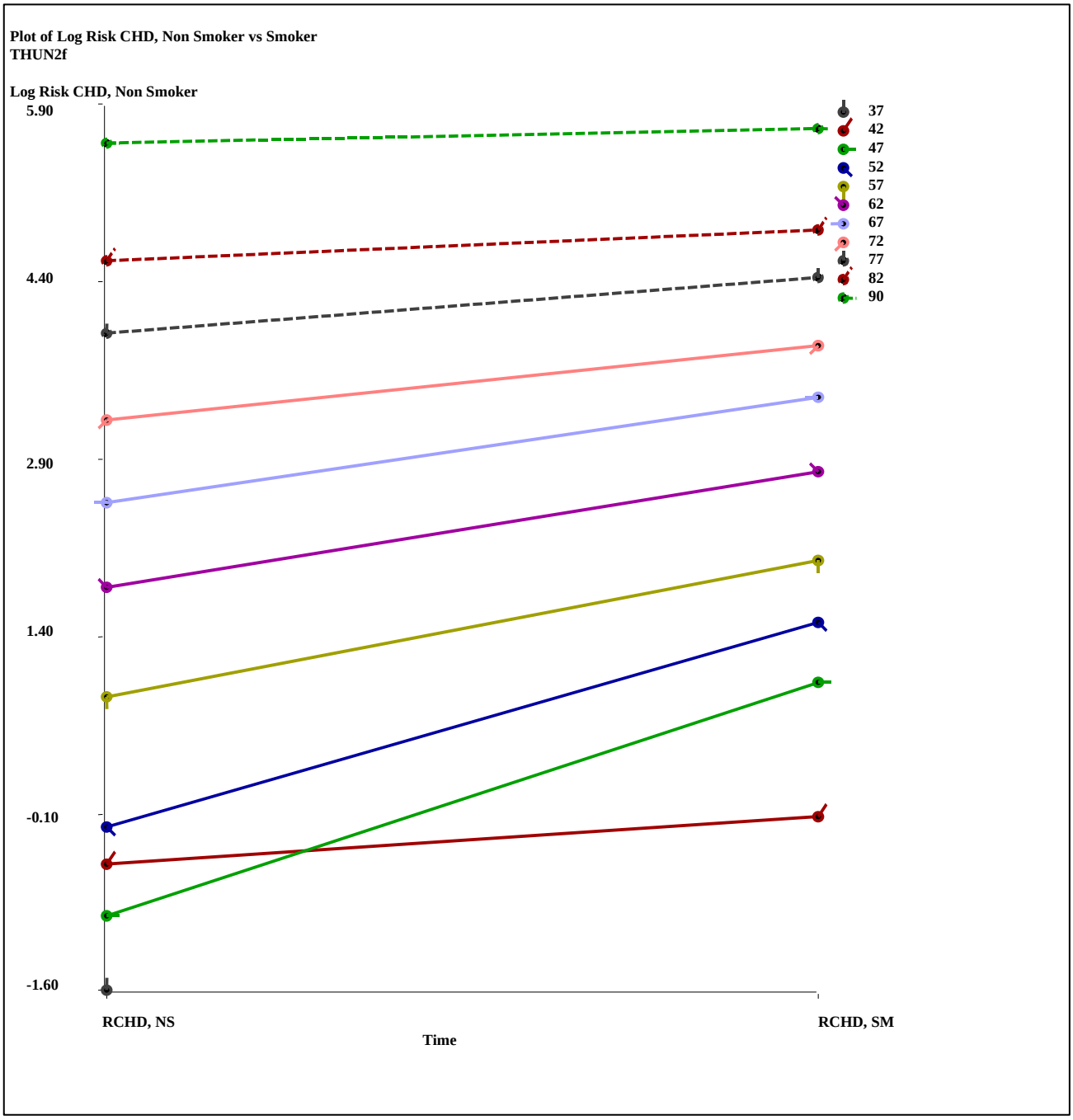
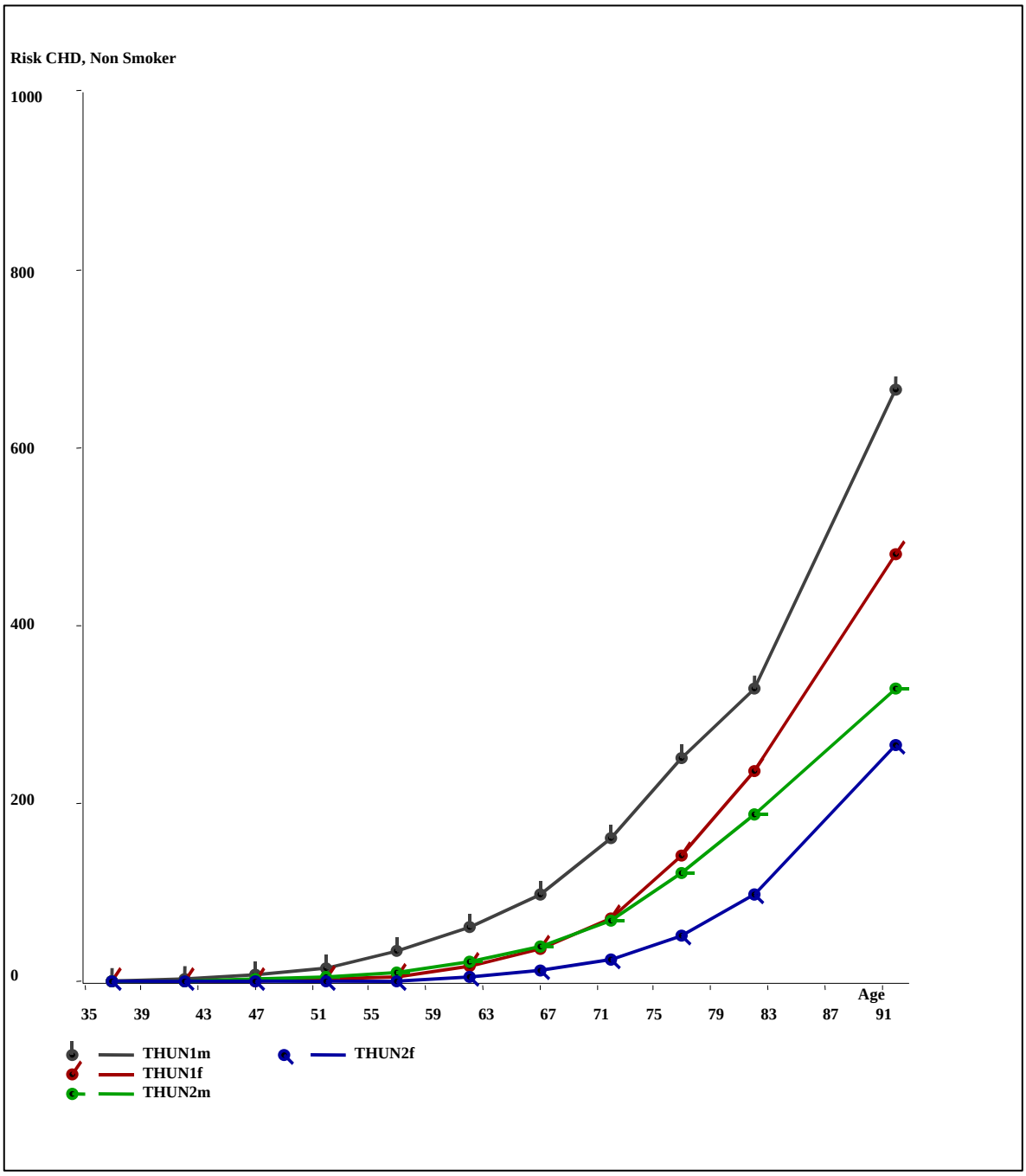


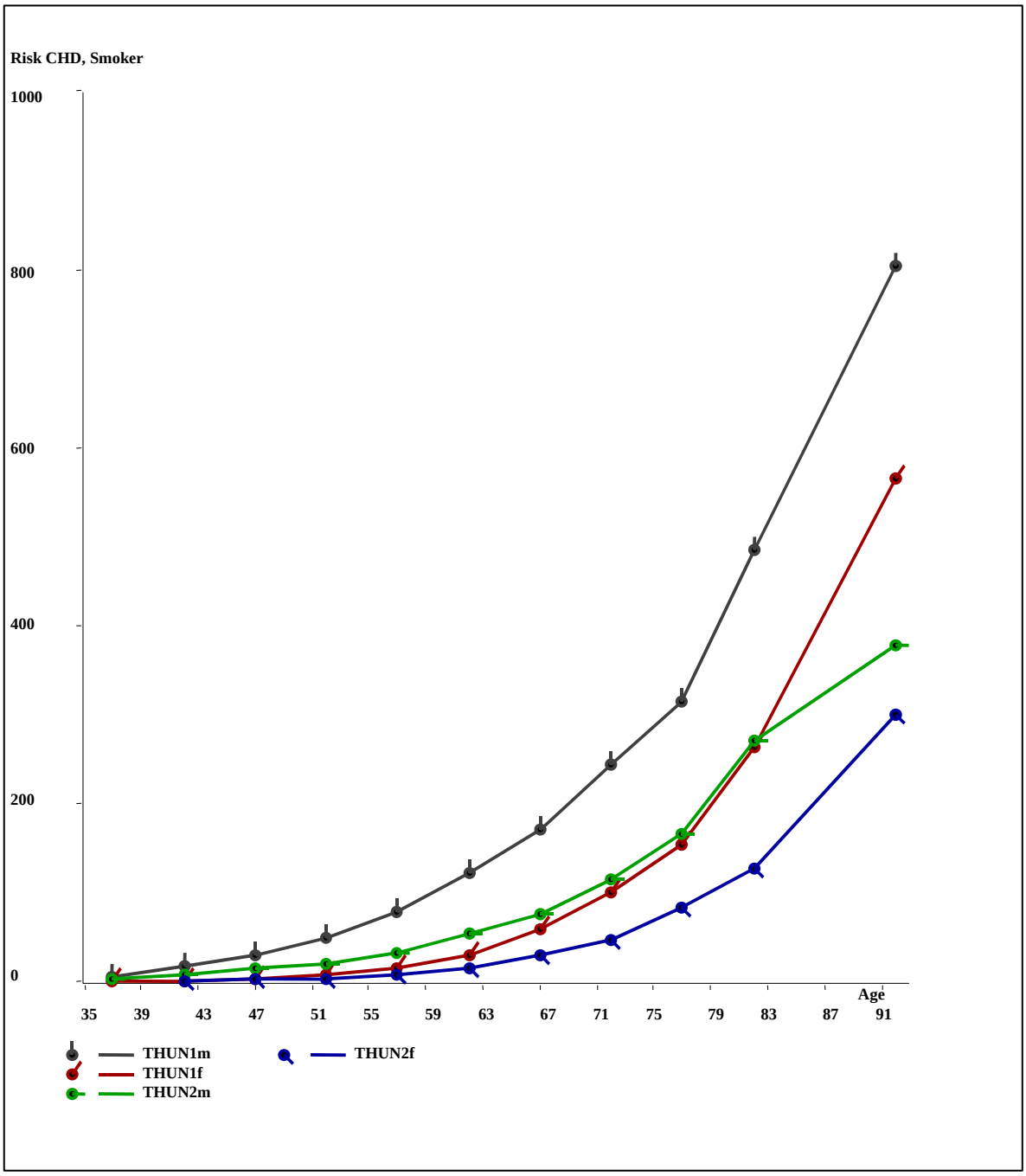
Analysis run on 23-FEB-06

Figure 2a
IESHD - Analysis of CPSI and CPSII data as presented in THUN1997D
CHD: Fatal
Plots



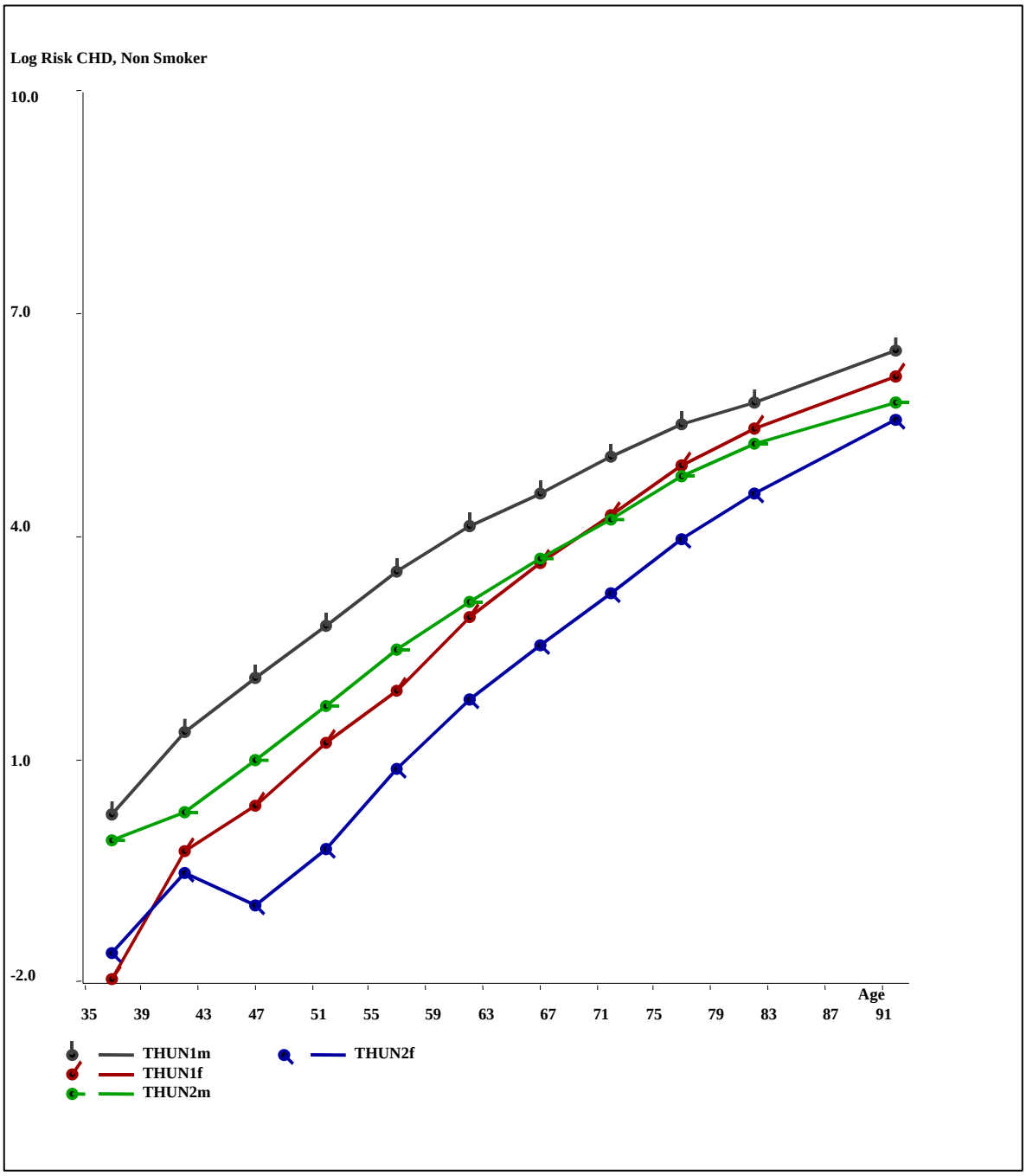
Analysis run on 24-FEB-06

Figure 2b
IESHD - Analysis of CPSI and CPSII data as presented in THUN1997D
CHD: Fatal
Plots



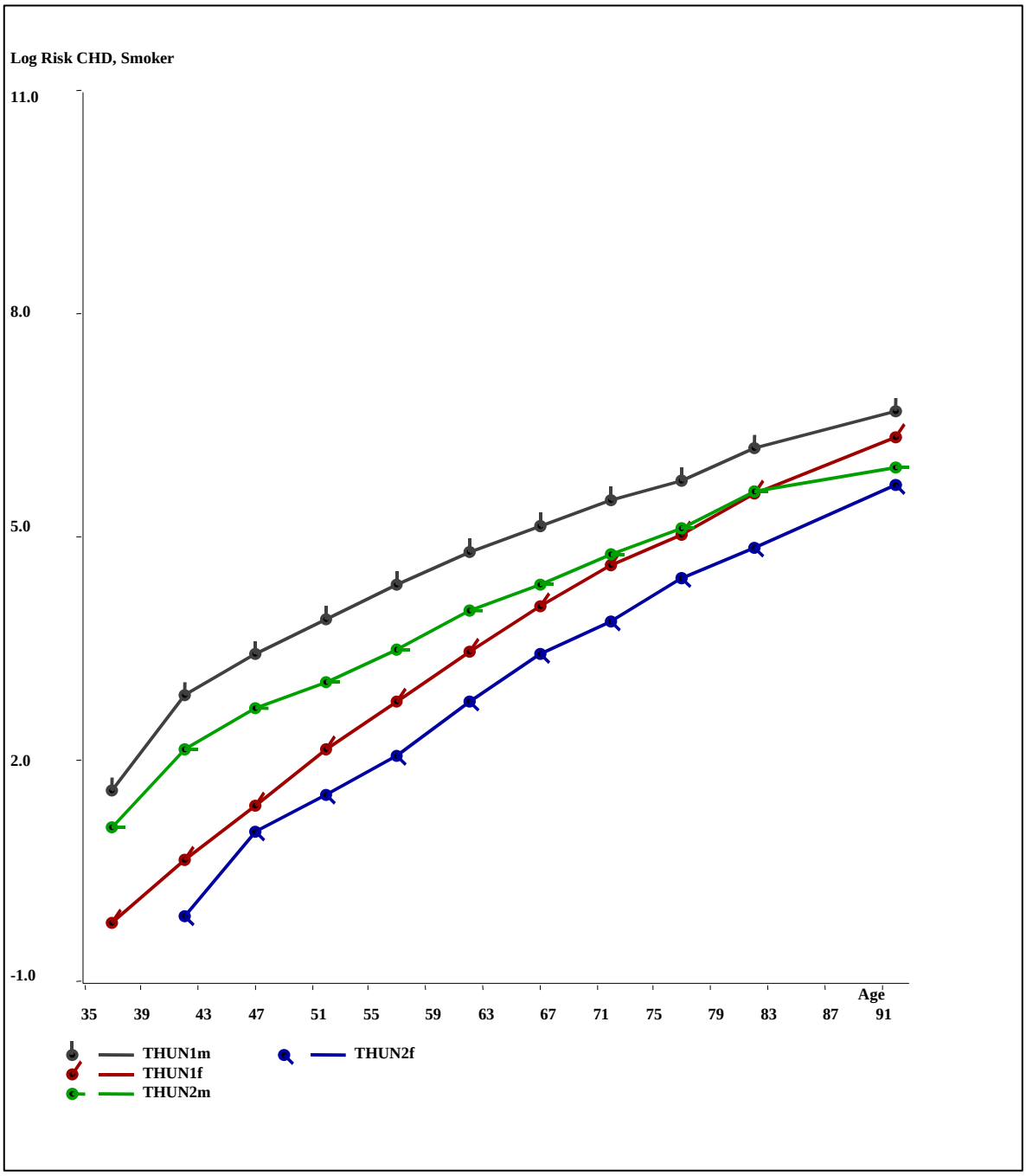
Analysis run on 24-FEB-06

Figure 3a
IESHD - Analysis of CPSI and CPSII data as presented in THUN1997D
CHD: Fatal
Plots



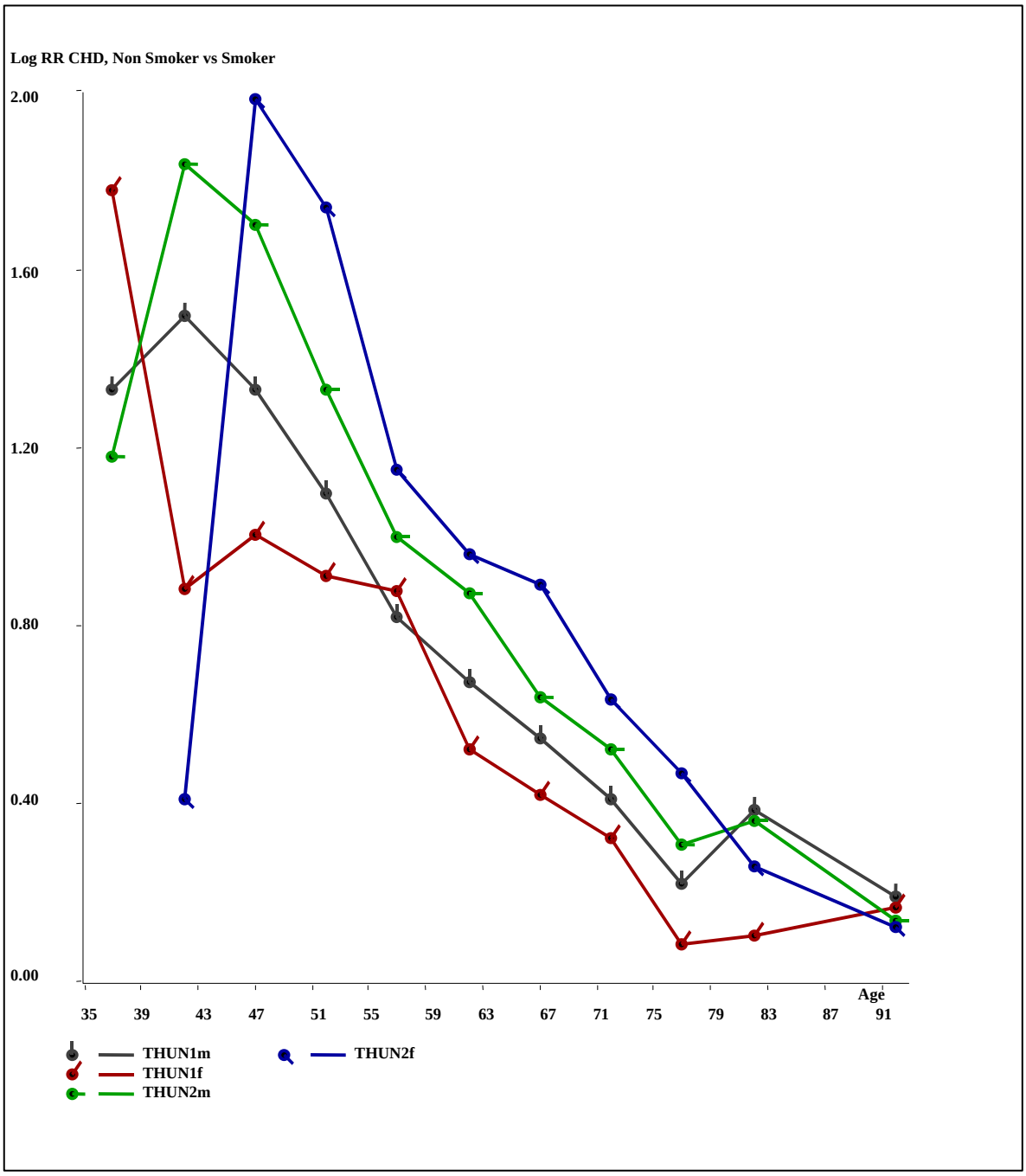
Analysis run on 24-FEB-06

Figure 3b
IESHD - Analysis of CPSI and CPSII data as presented in THUN1997D
CHD: Fatal
Plots



Analysis run on 24-FEB-06

Figure 4
IESHD - Analysis of CPSI and CPSII data as presented in THUN1997D
CHD: Fatal
Plots



Analysis run on 24-FEB-06

Table 1
IESHD - Analysis of CPSI and CPSII data as presented in THUN1997D
CHD: Fatal
Linear Regression

	Deviance	(DF)				
Log Risk CHD, Non Smoker						
Model 1	229.205	(43)				
	Estimate	S.E.	P			
Constant	2.774	0.348	+++			
	Deviance	(DF)	Drop Dev	P		
Model 2	30.931	(42)	198.274	***		
	Estimate	S.E.	P			
Constant	-5.224	0.504	---			
	Estimate	S.E.	P	95%CIl	95%CIu	
Age	0.128	0.008	+++	0.112	0.144	
	Deviance	(DF)	Drop Dev	P		
Model 3	15.627	(41)	15.304	***		
	Estimate	S.E.	P			
Constant	-4.634	0.375	---			
	Estimate	S.E.	P	95%CIl	95%CIu	
Age	0.128	0.006	+++	0.117	0.139	
: Sex (RR)						
male	22 Aliased					
female	22 -1.180	0.186	---	-1.555	-0.804	
	Deviance	(DF)	Drop Dev	P		
Model 4	7.525	(40)	8.102	***		
	Estimate	S.E.	P			
Constant	-4.205	0.271	---			
	Estimate	S.E.	P	95%CIl	95%CIu	
Age	0.128	0.004	+++	0.120	0.136	
: Sex (RR)						
male	22 Aliased					
female	22 -1.180	0.131	---	-1.444	-0.915	
Study						
THUN1	22 Aliased					
THUN2	22 -0.858	0.131	---	-1.123	-0.594	

Analysis run on 24-FEB-06

Table 2
IESHD - Analysis of CPSI and CPSII data as presented in THUN1997D
CHD: Fatal
Linear Regression

	Deviance	(DF)				
Log Risk						
CHD, Smoker						
Model 1	137.020	(42)				
	Estimate	S.E.	P			
Constant	3.669	0.275	+++			
	Deviance	(DF)	Drop Dev	P		
Model 2	25.949	(41)	111.071	***		
	Estimate	S.E.	P			
Constant	-2.547	0.485	---			
	Estimate	S.E.	P	95%CIl	95%CIu	
Age	0.099	0.007	+++	0.084	0.114	
	Deviance	(DF)	Drop Dev	P		
Model 3	10.284	(40)	15.665	***		
	Estimate	S.E.	P			
Constant	-2.043	0.316	---			
	Estimate	S.E.	P	95%CIl	95%CIu	
Age	0.100	0.005	+++	0.090	0.110	
: Sex (RR)						
male	22 Aliased					
female	21 -1.208	0.155	---	-1.521	-0.895	
	Deviance	(DF)	Drop Dev	P		
Model 4	5.789	(39)	4.495	***		
	Estimate	S.E.	P			
Constant	-1.767	0.245	---			
	Estimate	S.E.	P	95%CIl	95%CIu	
Age	0.101	0.004	+++	0.093	0.108	
: Sex (RR)						
male	22 Aliased					
female	21 -1.225	0.118	---	-1.463	-0.987	
Study						
THUN1	22 Aliased					
THUN2	21 -0.647	0.118	---	-0.885	-0.410	

Analysis run on 24-FEB-06

Table 3
IESHD - Analysis of CPSI and CPSII data as presented in THUN1997D
CHD: Fatal
Linear Regression

		Deviance	(DF)			
Log Risk CHD, Non Smoker						
Model 1		127.936	(35)			
		Estimate	S.E.	P		
Constant		3.460	0.319	+++		
		Deviance	(DF)	Drop Dev	P	
Model 2		24.395	(34)	103.541	***	
		Estimate	S.E.	P		
Constant		-4.822	0.704	---		
		Estimate	S.E.	P	95%CIl	95%CIu
Age		0.123	0.010	+++	0.102	0.143
		Deviance	(DF)	Drop Dev	P	
Model 3		13.528	(33)	10.867	***	
		Estimate	S.E.	P		
Constant		-4.273	0.543	---		
		Estimate	S.E.	P	95%CIl	95%CIu
Age		0.123	0.008	+++	0.107	0.138
: Sex (RR)						
male	18	Aliased				
female	18	-1.099	0.213	---	-1.533	-0.665
		Deviance	(DF)	Drop Dev	P	
Model 4		5.011	(32)	8.517	***	
		Estimate	S.E.	P		
Constant		-3.786	0.342	---		
		Estimate	S.E.	P	95%CIl	95%CIu
Age		0.123	0.005	+++	0.113	0.132
: Sex (RR)						
male	18	Aliased				
female	18	-1.099	0.132	---	-1.368	-0.830
Study						
THUN1	18	Aliased				
THUN2	18	-0.973	0.132	---	-1.241	-0.704

Table 4
IESHD - Analysis of CPSI and CPSII data as presented in THUN1997D
CHD: Fatal
Linear Regression

		Deviance	(DF)			
Log Risk						
CHD, Smoker						
Model 1		76.000	(35)			
		Estimate	S.E.	P		
Constant		4.160	0.246	+++		
		Deviance	(DF)	Drop Dev	P	
Model 2		17.915	(34)	58.085	***	
		Estimate	S.E.	P		
Constant		-2.044	0.603	--		
		Estimate	S.E.	P	95%CIl	95%CIu
Age		0.092	0.009	+++	0.074	0.110
		Deviance	(DF)	Drop Dev	P	
Model 3		7.134	(33)	10.781	***	
		Estimate	S.E.	P		
Constant		-1.496	0.394	---		
		Estimate	S.E.	P	95%CIl	95%CIu
Age		0.092	0.006	+++	0.080	0.103
: Sex (RR)						
male	18	Aliased				
female	18	-1.094	0.155	---	-1.410	-0.779
		Deviance	(DF)	Drop Dev	P	
Model 4		2.786	(32)	4.348	***	
		Estimate	S.E.	P		
Constant		-1.149	0.255	---		
		Estimate	S.E.	P	95%CIl	95%CIu
Age		0.092	0.004	+++	0.085	0.099
: Sex (RR)						
male	18	Aliased				
female	18	-1.094	0.098	---	-1.295	-0.894
Study						
THUN1	18	Aliased				
THUN2	18	-0.695	0.098	---	-0.895	-0.495

Analysis run on 24-FEB-06

Table 5
IESHD - Analysis of CPSI and CPSII data as presented in THUN1997D
CHD: Fatal
Linear Regression

		Deviance	(DF)				
Log Risk CHD, Non Smoker and Smoker							
Model 1		383.643	(86)				
		Estimate	S.E.	P			
Constant		3.216	0.226	+++			
		Deviance	(DF)	Drop Dev	P		
Model 2		76.873	(85)	306.770	***		
		Estimate	S.E.	P			
Constant		-3.949	0.402	---			
		Estimate	S.E.	P		95%CIl	95%CIu
Age		0.114	0.006	+++		0.102	0.127
		Deviance	(DF)	Drop Dev	P		
Model 3		44.932	(84)	31.941	***		
		Estimate	S.E.	P			
Constant		-3.391	0.318	---			
		Estimate	S.E.	P		95%CIl	95%CIu
Age		0.115	0.005	+++		0.105	0.124
Sex (RR)							
male	44	Aliased					
female	43	-1.212	0.157	---		-1.524	-0.900
		Deviance	(DF)	Drop Dev	P		
Model 4		31.973	(83)	12.959	***		
		Estimate	S.E.	P			
Constant		-3.032	0.277	---			
		Estimate	S.E.	P		95%CIl	95%CIu
Age		0.115	0.004	+++		0.107	0.123
Sex (RR)							
male	44	Aliased					
female	43	-1.221	0.133	---		-1.486	-0.957
Study							
THUN1	44	Aliased					
THUN2	43	-0.772	0.133	---		-1.037	-0.507
		Deviance	(DF)	Drop Dev	P		
Model 5		17.924	(82)	14.049	***		
		Estimate	S.E.	P			
Constant		-3.411	0.214	---			
		Estimate	S.E.	P		95%CIl	95%CIu
Age		0.115	0.003	+++		0.109	0.121
Sex (RR)							
male	44	Aliased					
female	43	-1.212	0.100	---		-1.411	-1.012

Analysis run on 24-FEB-06

Table 5
IESHD - Analysis of CPSI and CPSII data as presented in THUN1997D
CHD: Fatal
Linear Regression

		Estimate	S.E.	P		95%CIl	95%CIu
Study							
THUN1	44	Aliased					
THUN2	43	-0.762	0.100	---		-0.962	-0.563
NS v Smoker							
NS	44	Aliased					
Smoker	43	0.804	0.100	+++		0.605	1.004
		Deviance	(DF)	Drop Dev	P		
Model 6		13.567	(81)	4.356	***		
		Estimate	S.E.	P			
Constant		-4.245	0.248	---			
		Estimate					
Age		Aliased					
		Estimate	S.E.	P		95%CIl	95%CIu
Sex (RR)							
male	44	Aliased					
female	43	-1.203	0.088	---		-1.378	-1.028
Study							
THUN1	44	Aliased					
THUN2	43	-0.754	0.088	---		-0.929	-0.579
NS v Smoker							
NS	44	Aliased					
Smoker	43	2.514	0.347	+++		1.824	3.203
M3. M13							
M3(1).M13	44	0.128	0.004	+++		0.121	0.135
M3(2).M13	43	0.101	0.004	+++		0.093	0.108

Analysis run on 24-FEB-06

Table 6
IESHD - Analysis of CPSI and CPSII data as presented in THUN1997D
CHD: Fatal
Linear Regression

		Deviance	(DF)				
Log Relative risk							
Model 1		11.913	(42)				
		Estimate	S.E.	P			
Constant		0.793	0.081	+++			
		Deviance	(DF)	Drop Dev	P		
Model 2		3.654	(41)	8.259	***		
		Estimate	S.E.	P			
Constant		2.488	0.182	+++			
		Estimate	S.E.	P		95%CIl	95%CIu
Age		-0.027	0.003	---		-0.033	-0.021
		Deviance	(DF)	Drop Dev	P		
Model 3		3.620	(40)	0.034	N.S.		
		Estimate	S.E.	P			
Constant		2.512	0.187	+++			
		Estimate	S.E.	P		95%CIl	95%CIu
Age		-0.027	0.003	---		-0.033	-0.021
: Sex (RR)							
male	22	Aliased					
female	21	-0.056	0.092	N.S.		-0.242	0.130
		Deviance	(DF)	Drop Dev	P		
Model 4		3.170	(39)	0.451	*		
		Estimate	S.E.	P			
Constant		2.424	0.181	+++			
		Estimate	S.E.	P		95%CIl	95%CIu
Age		-0.027	0.003	---		-0.032	-0.022
: Sex (RR)							
male	22	Aliased					
female	21	-0.051	0.087	N.S.		-0.227	0.125
Study							
THUN1	22	Aliased					
THUN2	21	0.205	0.087	+		0.029	0.381

Analysis run on 24-FEB-06

Table 7
IESHD - Analysis of CPSI and CPSII data as presented in THUN1997D
CHD: Fatal
Linear Regression

WEIGHTED on Weight

		Deviance	(DF)				
Log Relative risk							
Model 1		601.035	(42)				
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.615	0.012	+++	1.849	1.804	1.894
		Deviance	(DF)	Drop Dev	P		
Model 2		151.404	(41)	449.632	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		2.442	0.087	+++	11.498	9.694	13.638
Age		-0.027	0.001	---	11.190	13.273	9.435
		Deviance	(DF)	Drop Dev	P		
Model 3		151.402	(40)	0.002	N.S.		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		2.442	0.087	+++	11.496	9.690	13.639
Age		-0.027	0.001	---	11.188	13.273	9.431
: Sex (RR)							
male	22	Aliased					
female	21	0.001	0.026	N.S.	11.509	13.546	9.778
		Deviance	(DF)	Drop Dev	P		
Model 4		86.563	(39)	64.839	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		2.485	0.087	+++	11.999	10.111	14.240
Age		-0.029	0.001	---	11.656	13.833	9.822
: Sex (RR)							
male	22	Aliased					
female	21	-0.013	0.026	N.S.	11.848	13.949	10.063
Study							
THUN1	22	Aliased					
THUN2	21	0.207	0.026	+++	14.766	17.390	12.537
		Deviance	(DF)	Drop Dev	P		
Model 5		56.523	(30)	30.040	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		1.298	0.416	++	3.662	1.619	8.282
		Estimate					
Age		Aliased					
		Estimate	S.E.	P	RR	95%CIl	95%CIu
: Sex (RR)							
male	22	Aliased					
female	21	-0.017	0.026	N.S.	3.600	8.130	1.594
Study							
THUN1	22	Aliased					
THUN2	21	0.213	0.026	+++	4.529	10.228	2.006

Analysis run on 24-FEB-06

Table 7
IESHD - Analysis of CPSI and CPSII data as presented in THUN1997D
CHD: Fatal
Linear Regression

WEIGHTED on Weight

Age		Estimate	S.E.	P	RR	95%CIl	95%CIu
37	3	Aliased					
42	4	-0.131	0.454	N.S.	3.213	2.257	4.574
47	4	-0.004	0.425	N.S.	3.649	3.093	4.304
52	4	-0.212	0.419	N.S.	2.963	2.699	3.253
57	4	-0.456	0.418	N.S.	2.320	2.168	2.484
62	4	-0.643	0.417	N.S.	1.926	1.822	2.035
67	4	-0.778	0.417	(-)	1.682	1.598	1.770
72	4	-0.920	0.417	-	1.460	1.385	1.539
77	4	-1.119	0.418	-	1.197	1.121	1.278
82	4	-1.098	0.419	-	1.222	1.108	1.347
90	4	-1.255	0.422	--	1.044	0.910	1.197

Table 8
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Field List

Ref	Study title	SEX	RAGELO	RAGEHI	CHD Type	Study Type	Smk Exposure Def	Unexposed Def	PERIOD	Smk Status	How RR Derived
SIMONS	Dubbo	c	60	99	Both#	Case-Cont	Ever, All	Never, All	10	Ever	
HOUTER	Five towns	m	30	54	Fatal	Prosp	Ever, All	Non, All	20	Ever	
DOERKE	Hamburg	m	19	44	Both#	Case-Cont	Ever, All	Never, All		Ever	
CARMEL	Western Collabo	m	39	48	Fatal	Prosp	Ever, Cigs	Never, Cigs	27	Ever	c
CARMEL	Western Collabo	m	49	59	Fatal	Prosp	Ever, Cigs	Never, Cigs	27	Ever	c
HAMMON	US Nine State	m	50	69	Fatal#	Prosp	Ever, Cigs	Never, All	3	Ever	a
WEIR	Occupational gr	m	35	64	Fatal	Prosp	Ever, Cigs	Never, Cigs	8	Ever	a
ALDER1	10 hospital reg	m	35	54	Nonfatal	Case-Cont	Ever, All	Never, All		Ever	
ALDER1	10 hospital reg	m	55	74	Nonfatal	Case-Cont	Ever, All	Never, All		Ever	
KNUIMA	Busselton	m	40	74	Fatal	Case-Cont	Ever, All	Never, All	16	Ever	
VONEYB	MI under 41	c	20	40	Nonfatal	Case-Cont	Current, All	Never, All		Current	
HOUTER	Five towns	f	30	54	Fatal	Prosp	Ever, All	Non, All	20	Ever	
DOERKE	Hamburg	f	19	44	Both#	Case-Cont	Ever, All	Never, All		Ever	
BEARD	Rochester	f	40	59	Both	Case-Cont	Ever, Cigs	Never, Cigs		Ever	
ALDER1	10 hospital reg	f	35	54	Nonfatal	Case-Cont	Ever, Cigs	Never, All		Ever	
ALDER1	10 hospital reg	f	55	74	Nonfatal	Case-Cont	Ever, Cigs	Never, All		Ever	
KNUIMA	Busselton	f	40	74	Fatal	Case-Cont	Ever, All	Never, All	16	Ever	c
MATROO	Four communitie	c	35	69	Both#	Case-Cont	Current, Cigs	Non, Cigs		Current	
FRIED1	Kaiser-Permanen	c	35	54	Fatal	Prosp	Current, Cigs	Never, Cigs	11	Current	c
ALROOM	Hunter Region 8	c	25	69	Both	Prosp	Current, All	Never, All		Current	
PRESC1	3 Copenhagen st	m	20	99	Fatal	Prosp	Current, All	Never, All	12	Current	
BOER	Consultation Bu	m	30	54	Fatal	Prosp	Current, All	Non, All	12	Current	
WEIJEN	Zutphen (7 coun	m	64	84	Fatal	Prosp	Current, All	Never, All	5	Current	
CREME2	Goettingen (GRI	m	40	59	Both#	Prosp	Current, All	Non, All	10	Current	
HEIDRI	MONICA Augsburg	m	45	64	Both#	Prosp	Current, Cigs	Never, Cigs	13	Current	
BAIN	Location unstat	m	30	70	Fatal	Case-Cont	Current, Cigs	Non, Cigs		Current	
BAIN	Location unstat	m	30	70	Fatal	Case-Cont	Current, Cigs	Non, Cigs		Current	
BAIN	Location unstat	m	30	70	Fatal	Case-Cont	Current, Cigs	Non, Cigs		Current	
DOYLE	Alb [+ Fram (Ye	m	40	49	Both	Prosp	Current, Cigs	Never, Cigs	8	Current	
FREUND	Framingham	m	45	64	Both	Prosp	Current, Cigs	Never, Cigs	34	Current	
FREUND	Framingham	m	65	84	Both	Prosp	Current, Cigs	Never, Cigs	34	Current	
FRIED2	Kaiser-Permanen	m	35	49	Fatal	Prosp	Current, Cigs	Never, Cigs	8	Current	
FRIED2	Kaiser-Permanen	m	50	64	Fatal	Prosp	Current, Cigs	Never, Cigs	8	Current	
FRIED2	Kaiser-Permanen	m	65	74	Fatal	Prosp	Current, Cigs	Never, Cigs	8	Current	
FRIED2	Kaiser-Permanen	m	75	99	Fatal	Prosp	Current, Cigs	Never, Cigs	8	Current	
FRIED2	Kaiser-Permanen	m	35	99	Fatal	Prosp	Current, Cigs	Never, Cigs	8	Current	
KAHN	Veterans	m	35	44	Fatal	Prosp	Current, Cigs	Never, All	8	Current	e
KAHN	Veterans	m	45	54	Fatal	Prosp	Current, Cigs	Never, All	8	Current	e
KAHN	Veterans	m	55	64	Fatal	Prosp	Current, Cigs	Never, All	8	Current	e
KAHN	Veterans	m	65	74	Fatal	Prosp	Current, Cigs	Never, All	8	Current	e

Analysis run on 27-FEB-06

Table 8
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Field List

Ref	Study title	SEX	RAGELO	RAGEHI	CHD Type	Study Type	Smk Exposure Def	Unexposed Def	PERIOD	Smk Status	How RR Derived
KAHN	Veterans	m	75	84	Fatal	Prosp	Current, Cigs	Never, All	8	Current	e
KANNEL	MRFIT	m	35	45	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
KANNEL	MRFIT	m	46	57	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
KEYS	Minneapolis St	m	47	57	Both#	Prosp	Current, Cigs	Never, Cigs	23	Current	2
LACROI	Study of elderl	m	65	99	Fatal	Prosp	Current, Cigs	Never, Cigs	5	Current	
MENOT1	Seven countries	m	40	59	Fatal	Prosp	Current, Cigs	Never, Cigs	25	Current	c
PAGANI	Leisure World	m	65	99	Fatal	Prosp	Current, Cigs	Never, Cigs	10	Current	
POOLIN	Alb,Fram,Chicx2	m	40	44	Both	Prosp	Current, Cigs	Non, Cigs		Current	c
POOLIN	Alb,Fram,Chicx2	m	45	49	Both	Prosp	Current, Cigs	Non, Cigs		Current	c
POOLIN	Alb,Fram,Chicx2	m	50	54	Both	Prosp	Current, Cigs	Non, Cigs		Current	c
POOLIN	Alb,Fram,Chicx2	m	55	59	Both	Prosp	Current, Cigs	Non, Cigs		Current	c
POOLIN	Alb,Fram,Chicx2	m	40	59	Both	Prosp	Current, Cigs	Non, Cigs		Current	c
ROSEN2	MI in young men	m	20	54	Nonfatal#	Case-Cont	Current, Cigs	Never, Cigs		Current	
THUN1	CPS I	m	35	39	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN1	CPS I	m	40	44	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN1	CPS I	m	45	49	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN1	CPS I	m	50	54	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN1	CPS I	m	55	59	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN1	CPS I	m	60	64	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN1	CPS I	m	65	69	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN1	CPS I	m	70	74	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN1	CPS I	m	75	79	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN1	CPS I	m	80	84	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN1	CPS I	m	85	99	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN2	CPS II	m	35	39	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN2	CPS II	m	40	44	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN2	CPS II	m	45	49	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN2	CPS II	m	50	54	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN2	CPS II	m	55	59	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN2	CPS II	m	60	64	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN2	CPS II	m	65	69	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN2	CPS II	m	70	74	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN2	CPS II	m	75	79	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN2	CPS II	m	80	84	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN2	CPS II	m	85	99	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
TYROLE	Evans county	m	40	64	Fatal	Prosp	Current, Cigs	Never, Cigs	20	Current	c
YANO1	Honolulu	m	45	68	Fatal	Prosp	Current, Cigs	Never, Cigs	10	Current	c
YUSUF	NHANES	m	25	75	Both	Prosp	Current, Cigs	Non, Cigs	21	Current	
BENSHL	Civil servants	m	40	69	Fatal	Prosp	Current, All	Never, All	18	Current	

Analysis run on 27-FEB-06

Table 8
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Field List

Ref	Study title	SEX	RAGELO	RAGEHI	CHD Type	Study Type	Smk Exposure Def	Unexposed Def	PERIOD	Smk Status	How RR Derived	
BRETT1	Industrial work	m	40	54	Fatal#	Prosp	Current, Cigs	Never, Cigs	3	Current		
BRETT1	Industrial work	m	55	70	Fatal#	Prosp	Current, Cigs	Never, Cigs	3	Current		
DOLL2	British Doctors	m	25#	70	Fatal	Prosp	Current, All	Never, All	40	Current		
HUMPHR	Northwick Park	m	50	61	Both#	Prosp	Current, All	Never, All	6	Current		
PARISH	ISIS	m	30	59	Nonfatal	Case-Cont	Current, Cigs	Never, Cigs		Current		2
PARISH	ISIS	m	60	79	Nonfatal	Case-Cont	Current, Cigs	Never, Cigs		Current		2
TANG	British Regiona	m	40	59	Both	Prosp	Current, All	Never, All	9	Current		
TUNSTA	Scottish heart	m	40	59	Fatal	Prosp	Current, Cigs	Never, Cigs	7	Current		
WHITEL	Renfrew and Pai	m	45	64	Fatal	Prosp	Current, All	Never, All	25	Current		
DAGEN2	Quebec	m	30	64	Fatal	Prosp	Current, All	Never, All	12	Current		
SEMENC	Nutrition Canad	m	35	79	Fatal	Prosp	Current, All	Never, All	12	Current		
TATE	Manitoba	m	40	44	Both	Prosp	Current, All	Never, All	5#	Current		
TATE	Manitoba	m	45	49	Both	Prosp	Current, All	Never, All	5#	Current		
TATE	Manitoba	m	50	54	Both	Prosp	Current, All	Never, All	5#	Current		
TATE	Manitoba	m	55	59	Both	Prosp	Current, All	Never, All	5#	Current		
TATE	Manitoba	m	60	64	Both	Prosp	Current, All	Never, All	5#	Current		
TATE	Manitoba	m	65	69	Both	Prosp	Current, All	Never, All	5#	Current		
TATE	Manitoba	m	70	74	Both	Prosp	Current, All	Never, All	5#	Current		
TATE	Manitoba	m	75	79	Both	Prosp	Current, All	Never, All	5#	Current		
CHUN	Hunter Region 8	m	35	69	Both#	Prosp	Current, All	Never, All		Current		
SPENCE	Perth	m	27	64	Both#	Prosp	Current, All	Never, All		Current		
PRESC1	3 Copenhagen st	f	20	99	Fatal	Prosp	Current, All	Never, All	12	Current		
BOER	Consultation Bu	f	30	54	Fatal	Prosp	Current, All	Non, All	12	Current		
CULLEN	Munster	f	18	65	Both#	Prosp	Current, Cigs	Non, Cigs	8	Current		
BUSH	Washington Coun	f	25	44	Fatal#	Prosp	Current, Cigs	Never, Cigs	12	Current		
BUSH	Washington Coun	f	45	64	Fatal#	Prosp	Current, Cigs	Nev+Occ,Cigs	12	Current		
BUSH	Washington Coun	f	65	74	Fatal#	Prosp	Current, Cigs	Never, Cigs	12	Current		
FREUND	Framingham	f	45	64	Both	Prosp	Current, Cigs	Never, Cigs	34	Current		
FREUND	Framingham	f	65	84	Both	Prosp	Current, Cigs	Never, Cigs	34	Current		
FRIED2	Kaiser-Permanen	f	35	49	Fatal	Prosp	Current, Cigs	Never, Cigs	8	Current		
FRIED2	Kaiser-Permanen	f	50	64	Fatal	Prosp	Current, Cigs	Never, Cigs	8	Current		
FRIED2	Kaiser-Permanen	f	65	74	Fatal	Prosp	Current, Cigs	Never, Cigs	8	Current		
FRIED2	Kaiser-Permanen	f	75	99	Fatal	Prosp	Current, Cigs	Never, Cigs	8	Current		
FRIED2	Kaiser-Permanen	f	35	99	Fatal	Prosp	Current, Cigs	Never, Cigs	8	Current		
KAWAC2	Nurses	f	30	55	Fatal	Prosp	Current, Cigs	Never, Cigs	12	Current		4
LACROI	Study of elderl	f	65	99	Fatal	Prosp	Current, Cigs	Never, Cigs	5	Current		
PAGANI	Leisure World	f	65	99	Fatal	Prosp	Current, Cigs	Never, Cigs	10	Current		
ROSEN1	MI in young wom	f	25	39	Nonfatal#	Case-Cont	Current, Cigs	Never, Cigs		Current		c
ROSEN1	MI in young wom	f	40	44	Nonfatal#	Case-Cont	Current, Cigs	Never, Cigs		Current		c

Analysis run on 27-FEB-06

Table 8
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Field List

Ref	Study title	SEX	RAGELO	RAGEHI	CHD Type	Study Type	Smk Exposure Def	Unexposed Def	PERIOD	Smk Status	How RR Derived
ROSEN1	MI in young wom	f	45	49	Nonfatal#	Case-Cont	Current, Cigs	Never, Cigs		Current	c
ROSEN1	MI in young wom	f	25	49	Nonfatal#	Case-Cont	Current, Cigs	Never, Cigs		Current	c
ROSEN3	MI in women	f	25	64	Nonfatal#	Case-Cont	Current, Cigs	Never, Cigs		Current	
ROSEN4	Black Women's H	f	21	69	Nonfatal#	Case-Cont	Current, Cigs	Never, Cigs		Current	c
THUN1	CPS I	f	35	39	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN1	CPS I	f	40	44	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN1	CPS I	f	45	49	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN1	CPS I	f	50	54	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN1	CPS I	f	55	59	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN1	CPS I	f	60	64	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN1	CPS I	f	65	69	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN1	CPS I	f	70	74	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN1	CPS I	f	75	79	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN1	CPS I	f	80	84	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN1	CPS I	f	85	99	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN2	CPS II	f	40	44	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN2	CPS II	f	45	49	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN2	CPS II	f	50	54	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN2	CPS II	f	55	59	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN2	CPS II	f	60	64	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN2	CPS II	f	65	69	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN2	CPS II	f	70	74	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN2	CPS II	f	75	79	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN2	CPS II	f	80	84	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
THUN2	CPS II	f	85	99	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	e
YUSUF	NHANES	f	25	75	Both	Prosp	Current, Cigs	Non, Cigs	21	Current	c
CROFT	RCGP OC	f	20	99	Both#	Case-Cont	Current, All	Non, All		Current	
DUNN	MICA	f	16	44	Both#	Case-Cont	Current, All	Non, All		Current	
PARISH	ISIS	f	30	59	Nonfatal	Case-Cont	Current, Cigs	Never, Cigs		Current	2
PARISH	ISIS	f	60	79	Nonfatal	Case-Cont	Current, Cigs	Never, Cigs		Current	2
TUNSTA	Scottish heart	f	40	59	Fatal	Prosp	Current, Cigs	Never, Cigs	7	Current	
WHITEL	Renfrew and Pai	f	45	64	Fatal	Prosp	Current, All	Never, All	25	Current	
DEPART	Canadian Vetera	f	30	64	Fatal	Prosp	Current, Cigs	Never, Cigs	6	Current	
SEMENC	Nutrition Canad	f	35	79	Fatal	Prosp	Current, All	Never, All	12	Current	
CHUN	Hunter Region 8	f	35	69	Both#	Prosp	Current, All	Never, All		Current	
ALROOM	Hunter Region 8	c	25	69	Both	Prosp	Ex, All	Never, All		Ex	
PRESC1	3 Copenhagen st	m	20	99	Fatal	Prosp	Ex, All	Never, All	12	Ex	
WEIJEN	Zutphen (7 coun	m	64	84	Fatal	Prosp	Ex, All	Never, All	5	Ex	
FRIED2	Kaiser-Permanen	m	35	49	Fatal	Prosp	Ex, Cigs	Never, Cigs	8	Ex	

Analysis run on 27-FEB-06

Table 8
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Field List

Ref	Study title	SEX	RAGELO	RAGEHI	CHD Type	Study Type	Smk Exposure Def	Unexposed Def	PERIOD	Smk Status	How RR Derived
FRIED2	Kaiser-Permanen	m	50	64	Fatal	Prosp	Ex, Cigs	Never, Cigs	8	Ex	
FRIED2	Kaiser-Permanen	m	65	74	Fatal	Prosp	Ex, Cigs	Never, Cigs	8	Ex	
FRIED2	Kaiser-Permanen	m	75	99	Fatal	Prosp	Ex, Cigs	Never, Cigs	8	Ex	
FRIED2	Kaiser-Permanen	m	35	99	Fatal	Prosp	Ex, Cigs	Never, Cigs	8	Ex	
HAMMO2	CPS I (Ex-smok)	m	30	99	Fatal		Ex, Cigs	Never, Cigs	4	Ex	e
HAMMON	US Nine State	m	50	69	Fatal#	Prosp	Ex, Cigs	Never, All	3	Ex	2
HRUBEC	Veterans	m	25	99	Fatal	Prosp	Ex, Cigs	Never, All	26	Ex	
KEYS	Minneapolis St	m	47	57	Both#	Prosp	Ex, Cigs	Never, Cigs	23	Ex	2
LACROI	Study of elderl	m	65	99	Fatal	Prosp	Ex, Cigs	Never, Cigs	5	Ex	
PAGANI	Leisure World	m	65	99	Fatal	Prosp	Ex, Cigs	Never, Cigs	10	Ex	
ROSEN2	MI in young men	m	20	54	Nonfatal#	Case-Cont	Ex, Cigs	Never, Cigs		Ex	
TYROLE	Evans county	m	40	64	Fatal	Prosp	Ex, Cigs	Never, Cigs	20	Ex	c
BENSHL	Civil servants	m	40	69	Fatal	Prosp	Ex, Cigs	Never, Cigs	18	Ex	
BRETT1	Industrial work	m	40	54	Fatal#	Prosp	Ex, Cigs	Never, Cigs	3	Ex	
BRETT1	Industrial work	m	55	70	Fatal#	Prosp	Ex, Cigs	Never, Cigs	3	Ex	
DOLL2	British Doctors	m	25#	70	Fatal	Prosp	Ex, All	Never, All	40	Ex	
HUMPHR	Northwick Park	m	50	61	Both#	Prosp	Ex, All	Never, All	6	Ex	
PARISH	ISIS	m	30	59	Nonfatal	Case-Cont	Ex, Cigs	Never, Cigs		Ex	2
PARISH	ISIS	m	60	79	Nonfatal	Case-Cont	Ex, Cigs	Never, Cigs		Ex	2
TANG	British Regiona	m	40	59	Both	Prosp	Ex, All	Never, All	9	Ex	
TUNSTA	Scottish heart	m	40	59	Fatal	Prosp	Ex, Cigs	Never, Cigs	7	Ex	
WHITEL	Renfrew and Pai	m	45	64	Fatal	Prosp	Ex, All	Never, All	25	Ex	
DAGEN2	Quebec	m	30	64	Fatal	Prosp	Ex, All	Never, All	12	Ex	
DEPART	Canadian Vetera	m	35	64	Fatal	Prosp	Ex, Cigs	Never, Cigs	6	Ex	
SEMENC	Nutrition Canad	m	35	79	Fatal	Prosp	Ex, All	Never, All	12	Ex	
CHUN	Hunter Region 8	m	35	69	Both#	Prosp	Ex, All	Never, All		Ex	
SPENCE	Perth	m	27	64	Both#	Prosp	Ex, All	Never, All		Ex	
PRESC1	3 Copenhagen st	f	20	99	Fatal	Prosp	Ex, All	Never, All	12	Ex	
BUSH	Washington Coun	f	25	74	Fatal#	Prosp	Ex, Cigs	Never, Cigs	12	Ex	
BUSH	Washington Coun	f	45	64	Fatal#	Prosp	Ex, Cigs	Never, Cigs	12	Ex	
BUSH	Washington Coun	f	65	74	Fatal#	Prosp	Ex, Cigs	Never, Cigs	12	Ex	
FRIED2	Kaiser-Permanen	f	50	64	Fatal	Prosp	Ex, Cigs	Never, Cigs	8	Ex	
FRIED2	Kaiser-Permanen	f	65	74	Fatal	Prosp	Ex, Cigs	Never, Cigs	8	Ex	
FRIED2	Kaiser-Permanen	f	75	99	Fatal	Prosp	Ex, Cigs	Never, Cigs	8	Ex	
FRIED2	Kaiser-Permanen	f	35	99	Fatal	Prosp	Ex, Cigs	Never, Cigs	8	Ex	
KAWAC2	Nurses	f	30	55	Fatal	Prosp	Ex, Cigs	Never, Cigs	12	Ex	
LACROI	Study of elderl	f	65	99	Fatal	Prosp	Ex, Cigs	Never, Cigs	5	Ex	
PAGANI	Leisure World	f	65	99	Fatal	Prosp	Ex, Cigs	Never, Cigs	10	Ex	
ROSEN1	MI in young wom	f	25	49	Nonfatal#	Case-Cont	Ex, Cigs	Never, Cigs		Ex	c

Analysis run on 27-FEB-06

Table 8
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Field List

Ref	Study title	SEX	RAGELO	RAGEHI	CHD Type	Study Type	Smk Exposure Def	Unexposed Def	PERIOD	Smk Status	How RR Derived	
ROSEN3	MI in women	f	25	64	Nonfatal#	Case-Cont	Ex, Cigs	Never, Cigs		Ex		
ROSEN4	Black Women's H	f	21	69	Nonfatal#	Case-Cont	Ex, Cigs	Never, Cigs		Ex		
PARISH	ISIS	f	30	59	Nonfatal	Case-Cont	Ex, Cigs	Never, Cigs		Ex		2
PARISH	ISIS	f	60	79	Nonfatal	Case-Cont	Ex, Cigs	Never, Cigs		Ex		2
TUNSTA	Scottish heart	f	40	59	Fatal	Prosp	Ex, Cigs	Never, Cigs	7	Ex		
WHITEL	Renfrew and Pai	f	45	64	Fatal	Prosp	Ex, All	Never, All	25	Ex		
SEMENC	Nutrition Canad	f	35	79	Fatal	Prosp	Ex, All	Never, All	12	Ex		
CHUN	Hunter Region 8	f	35	69	Both#	Prosp	Ex, All	Never, All		Ex		

Table 8
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Field List

Comments on values in listings

SIMONS	CHD Type	Cardiovascular
DOERKE	CHD Type	CHD deaths + MI
HAMMON	CHD Type	Coronary artery disease
DOERKE	CHD Type	CHD deaths + MI
MATROO	CHD Type	CHD deaths + MI
CREME2	CHD Type	CHD deaths + MI
HEIDRI	CHD Type	CHD deaths + MI
KEYS	CHD Type	CHD deaths + MI
ROSEN2	CHD Type	first non-fatal MI
BRETT1	CHD Type	Coronary thrombosis
BRETT1	CHD Type	Coronary thrombosis
DOLL2	RAGELO	Doctors
HUMPHR	CHD Type	CHD fatal, MI (+silent), Coronary artery surgery
TATE	PERIOD	45 years in 5 year periods
TATE	PERIOD	45 years in 5 year periods
TATE	PERIOD	45 years in 5 year periods
TATE	PERIOD	45 years in 5 year periods
TATE	PERIOD	45 years in 5 year periods
TATE	PERIOD	45 years in 5 year periods
TATE	PERIOD	45 years in 5 year periods
TATE	PERIOD	45 years in 5 year periods
CHUN	CHD Type	CHD deaths + MI
SPENCE	CHD Type	CHD deaths + MI
CULLEN	CHD Type	CHD deaths + MI
BUSH	CHD Type	Arteriosclerotic heart disease
BUSH	CHD Type	Arteriosclerotic heart disease
BUSH	CHD Type	Arteriosclerotic heart disease
ROSEN1	CHD Type	first non-fatal MI
ROSEN1	CHD Type	first non-fatal MI
ROSEN1	CHD Type	first non-fatal MI
ROSEN1	CHD Type	first non-fatal MI
ROSEN3	CHD Type	first non-fatal MI
ROSEN4	CHD Type	Self reported heart attack
CROFT	CHD Type	CHD deaths + MI
DUNN	CHD Type	CHD deaths + MI
CHUN	CHD Type	CHD deaths + MI
HAMMON	CHD Type	Coronary artery disease
KEYS	CHD Type	CHD deaths + MI
ROSEN2	CHD Type	first non-fatal MI

Table 8
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Field List

Comments on values in listings

BRETT1	CHD Type	Coronary thrombosis
BRETT1	CHD Type	Coronary thrombosis
DOLL2	RAGELO	Doctors
HUMPHR	CHD Type	CHD fatal, MI (+silent), Coronary artery surgery
CHUN	CHD Type	CHD deaths + MI
SPENCE	CHD Type	CHD deaths + MI
BUSH	CHD Type	Arteriosclerotic heart disease
BUSH	CHD Type	Arteriosclerotic heart disease
BUSH	CHD Type	Arteriosclerotic heart disease
ROSEN1	CHD Type	first non-fatal MI
ROSEN3	CHD Type	first non-fatal MI
ROSEN4	CHD Type	Self reported heart attack
CHUN	CHD Type	CHD deaths + MI

Table 9
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Field List

Ref	Study title	SEX	CHD Type	Country	FlueC/Blended	RR	RRL	RRU	WT	MidYr/YFUP	Age	Est 5Y Age
SIMONS	Dubbo[14]	c	Both#	Australia	Flue cured	1.41	1.04	1.91	41.58	80-89	70-79	85-89
HOUTER	Five towns[25]	m	Fatal	Netherlands	Blended	2.44	1.12	5.32	6.33	1990+	40-49	60-64
DOERKE	Hamburg[2]	m	Both#	Germany	Blended	22.20	5.39	91.40	1.92	60-69	30-39	30-34
CARMEL	Western Collabo[57]	m	Fatal	USA	Blended	1.67	1.07	2.61	19.33	80-89	40-49	70-74
CARMEL	Western Collabo[57]	m	Fatal	USA	Blended	1.38	0.94	2.03	25.92	80-89	50-59	80-84
HAMMON	US Nine State[63]	m	Fatal#	USA	Blended	1.70	1.65	1.76	3689.22	Pre 1960	50-59	60-64
WEIR	Occupational gr[90]	m	Fatal	USA	Blended	1.60	1.44	1.77	360.93	60-69	40-49	55-59
ALDER1	10 hospital reg[30]	m	Nonfatal	UK	Flue cured	1.94	1.31	2.89	24.55	70-79	40-49	40-44
ALDER1	10 hospital reg[30]	m	Nonfatal	UK	Flue cured	0.90	0.59	1.37	21.65	70-79	60-69	60-64
KNUIMA	Busselton[13]	m	Fatal	Australia	Flue cured	1.43	0.96	2.14	23.91	70-79	50-59	70-74
HOUTER	Five towns[25]	f	Fatal	Netherlands	Blended	1.83	0.80	4.18	5.62	1990+	40-49	60-64
DOERKE	Hamburg[2]	f	Both#	Germany	Blended	26.60	6.09	11.80	35.12	60-69	30-39	30-34
BEARD	Rochester[53]	f	Both	USA	Blended	5.11	2.26	11.58	5.76	70-79	40-49	45-49
ALDER1	10 hospital reg[30]	f	Nonfatal	UK	Flue cured	2.13	1.49	3.04	30.22	70-79	40-49	40-44
ALDER1	10 hospital reg[30]	f	Nonfatal	UK	Flue cured	1.30	0.98	1.73	47.58	70-79	60-69	60-64
KNUIMA	Busselton[13]	f	Fatal	Australia	Flue cured	1.45	0.76	2.75	9.29	70-79	50-59	70-74
VONEYB	MI under 41[113]	c	Nonfatal	Denmark	Blended	6.40	1.70	24.10	2.19	1990+	30-39	30-34
MATROO	Four communitie[26]	c	Both#	Netherlands	Blended	1.80	1.35	2.40	46.42	70-79	50-59	50-54
FRIED1	Kaiser-Permanen[61]	c	Fatal	USA	Blended	3.60	2.58	5.01	34.89	70-79	40-49	55-59
ALROOM	Hunter Region 8[11]	c	Both	Australia	Flue cured	2.24	1.47	3.41	21.70	80-89	40-49	45-49
PRESC1	3 Copenhagen st[98]	m	Fatal	Denmark	Blended	1.80	1.63	1.99	385.88	1990+	50-59	70-74
BOER	Consultation Bu[23]	m	Fatal	Netherlands	Blended	2.42	1.64	3.56	25.58	1990+	40-49	50-54
WEIJEN	Zutphen (7 coun[29]	m	Fatal	Netherlands	Blended	1.48	0.70	3.14	6.82	1990+	70-79	75-79
CREME2	Goettingen (GRI[17]	m	Both#	Germany	Blended	2.47	1.90	3.20	56.55	1990+	40-49	55-59
HEIDRI	MONICA Augsburg[19]	m	Both#	Germany	Blended	2.97	1.60	5.51	10.05	1990+	50-59	65-69
BAIN	Location unstat[52]	m	Fatal	USA	Blended	1.60	1.20	1.90	72.77	70-79	50-59	50-54
BAIN	Location unstat[52]	m	Fatal	USA	Blended	1.10	0.70	1.60	22.49	70-79	50-59	50-54
BAIN	Location unstat[52]	m	Fatal	USA	Blended	1.10	1.80	3.80	27.52	70-79	50-59	50-54
DOYLE	Alb [+ Fram (Ye[58]	m	Both	USA	Blended	1.66	1.02	2.70	16.22	60-69	40-49	50-54
FREUND	Framingham[60]	m	Both	USA	Blended	1.60	1.30	2.00	82.80	80-89	50-59	85-89
FREUND	Framingham[60]	m	Both	USA	Blended	1.00	0.80	1.40	49.07	80-89	70-79	95+
FRIED2	Kaiser-Permanen[62]	m	Fatal	USA	Blended	1.98	0.75	5.18	4.11	80-89	40-49	50-54
FRIED2	Kaiser-Permanen[62]	m	Fatal	USA	Blended	2.67	1.83	3.91	26.66	80-89	50-59	65-69
FRIED2	Kaiser-Permanen[62]	m	Fatal	USA	Blended	1.58	1.10	2.28	28.93	80-89	60-69	75-79
FRIED2	Kaiser-Permanen[62]	m	Fatal	USA	Blended	0.85	0.52	1.41	15.44	80-89	80-89	95+
FRIED2	Kaiser-Permanen[62]	m	Fatal	USA	Blended	1.66	1.34	2.06	83.09	80-89	60-69	75-79
KAHN	Veterans[67]	m	Fatal	USA	Blended	4.74	2.37	9.47	8.01	60-69	30-39	35-39
KAHN	Veterans[67]	m	Fatal	USA	Blended	5.20	2.94	9.20	11.81	60-69	40-49	45-49
KAHN	Veterans[67]	m	Fatal	USA	Blended	1.61	1.52	1.70	1226.80	60-69	50-59	55-59
KAHN	Veterans[67]	m	Fatal	USA	Blended	1.53	1.45	1.61	1402.56	60-69	60-69	65-69

Analysis run on 27-FEB-06

Table 9
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Field List

Ref	Study title	SEX	CHD Type	Country	FlueC/Blended	RR	RRL	RRU	WT	MidYr/YFUP	Age	Est 5Y Age
KAHN	Veterans[67]	m	Fatal	USA	Blended	1.13	0.95	1.34	129.88	60-69	70-79	75-79
KANNEL	MRFIT[68]	m	Fatal	USA	Blended	2.52	2.16	2.93	165.30	80-89	40-49	40-44
KANNEL	MRFIT[68]	m	Fatal	USA	Blended	2.08	1.93	2.24	692.56	80-89	50-59	50-54
KEYS	Minneapolis St[71]	m	Both#	USA	Blended	1.16	0.62	2.17	9.79	70-79	50-59	75-79
LACROI	Study of elderl[73]	m	Fatal	USA	Blended	1.90	1.20	3.00	18.30	80-89	80-89	85-89
MENOT1	Seven countries[74]	m	Fatal	USA	Blended	2.16	1.75	2.67	86.10	80-89	40-49	70-74
PAGANI	Leisure World[78]	m	Fatal	USA	Blended	1.41	1.03	1.93	38.97	1990+	80-89	90-94
POOLIN	Alb,Fram,Chicx2[79]	m	Both	USA	Blended	1.94	1.59	2.36	98.52	70-79	40-49	40-44
POOLIN	Alb,Fram,Chicx2[79]	m	Both	USA	Blended	1.65	1.42	1.93	163.19	70-79	40-49	45-49
POOLIN	Alb,Fram,Chicx2[79]	m	Both	USA	Blended	1.37	1.18	1.59	172.78	70-79	50-59	50-54
POOLIN	Alb,Fram,Chicx2[79]	m	Both	USA	Blended	1.40	1.11	1.76	72.32	70-79	50-59	55-59
POOLIN	Alb,Fram,Chicx2[79]	m	Both	USA	Blended	1.56	1.43	1.70	513.70	70-79	40-49	45-49
ROSEN2	MI in young men[82]	m	Nonfatal#	USA	Blended	3.10	2.60	3.80	106.70	80-89	30-39	35-39
THUN1	CPS I[116]	m	Fatal	USA	Blended	3.78	1.11	12.86	2.56	60-69	30-39	35-39
THUN1	CPS I[116]	m	Fatal	USA	Blended	4.47	2.59	7.71	12.91	60-69	40-49	40-44
THUN1	CPS I[116]	m	Fatal	USA	Blended	3.79	2.99	4.80	68.58	60-69	40-49	45-49
THUN1	CPS I[116]	m	Fatal	USA	Blended	3.00	2.63	3.44	213.17	60-69	50-59	50-54
THUN1	CPS I[116]	m	Fatal	USA	Blended	2.27	2.05	2.51	374.94	60-69	50-59	55-59
THUN1	CPS I[116]	m	Fatal	USA	Blended	1.96	1.79	2.14	481.79	60-69	60-69	60-64
THUN1	CPS I[116]	m	Fatal	USA	Blended	1.73	1.59	1.89	514.36	60-69	60-69	65-69
THUN1	CPS I[116]	m	Fatal	USA	Blended	1.51	1.38	1.65	481.24	60-69	70-79	70-74
THUN1	CPS I[116]	m	Fatal	USA	Blended	1.25	1.11	1.40	285.22	60-69	70-79	75-79
THUN1	CPS I[116]	m	Fatal	USA	Blended	1.47	1.23	1.75	123.60	60-69	80-89	80-84
THUN1	CPS I[116]	m	Fatal	USA	Blended	1.21	0.93	1.56	57.43	60-69	90+	90-94
THUN2	CPS II[116]	m	Fatal	USA	Blended	3.25	0.82	12.88	2.03	80-89	30-39	35-39
THUN2	CPS II[116]	m	Fatal	USA	Blended	6.28	2.25	17.51	3.65	80-89	40-49	40-44
THUN2	CPS II[116]	m	Fatal	USA	Blended	5.47	3.58	8.36	21.36	80-89	40-49	45-49
THUN2	CPS II[116]	m	Fatal	USA	Blended	3.78	3.03	4.71	78.97	80-89	50-59	50-54
THUN2	CPS II[116]	m	Fatal	USA	Blended	2.72	2.33	3.18	158.86	80-89	50-59	55-59
THUN2	CPS II[116]	m	Fatal	USA	Blended	2.39	2.12	2.69	271.00	80-89	60-69	60-64
THUN2	CPS II[116]	m	Fatal	USA	Blended	1.90	1.71	2.12	332.67	80-89	60-69	65-69
THUN2	CPS II[116]	m	Fatal	USA	Blended	1.69	1.52	1.88	340.10	80-89	70-79	70-74
THUN2	CPS II[116]	m	Fatal	USA	Blended	1.36	1.20	1.54	246.93	80-89	70-79	75-79
THUN2	CPS II[116]	m	Fatal	USA	Blended	1.44	1.20	1.72	118.57	80-89	80-89	80-84
THUN2	CPS II[116]	m	Fatal	USA	Blended	1.15	0.86	1.53	46.30	80-89	90+	90-94
TYROLE	Evans county[89]	m	Fatal	USA	Blended	4.08	1.33	12.52	3.06	80-89	50-59	70-74
YANO1	Honolulu[92]	m	Fatal	USA	Blended	1.40	1.19	1.64	149.37	70-79	50-59	65-69
YUSUF	NHANES[93]	m	Both	USA	Blended	1.40	1.20	1.60	185.67	1990+	50-59	70-74
BENSHL	Civil servants[31]	m	Fatal	UK	Flue cured	1.60	1.37	1.87	158.74	80-89	50-59	70-74

Analysis run on 27-FEB-06

Table 9
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Field List

Ref	Study title	SEX	CHD Type	Country	FlueC/Blended	RR	RRL	RRU	WT	MidYr/YFUP	Age	Est 5Y Age
BRETT1	Industrial work[32]	m	Fatal#	UK	Flue cured	2.06	1.17	3.63	11.99	60-69	40-49	50-54
BRETT1	Industrial work[32]	m	Fatal#	UK	Flue cured	1.83	1.08	3.10	13.82	60-69	60-69	65-69
DOLL2	British Doctors[37]	m	Fatal	UK	Flue cured	1.31	1.22	1.42	666.80	1990+	40-49	85-89
HUMPHR	Northwick Park[43]	m	Both#	UK	Flue cured	1.94	1.25	3.01	19.90	1990+	50-59	60-64
PARISH	ISIS[44]	m	Nonfatal	UK	Flue cured	3.36	3.03	3.71	377.12	1990+	40-49	40-44
PARISH	ISIS[44]	m	Nonfatal	UK	Flue cured	1.16	1.01	1.33	207.73	1990+	60-69	65-69
TANG	British Regiona[34]	m	Both	UK	Flue cured	2.01	1.50	2.70	44.48	80-89	40-49	55-59
TUNSTA	Scottish heart[47]	m	Fatal	UK	Flue cured	1.73	0.92	3.25	9.65	1990+	40-49	55-59
WHITEL	Renfrew and Pai[41]	m	Fatal	UK	Flue cured	1.94	1.64	2.29	137.87	1990+	50-59	75-79
DAGEN2	Quebec [6]	m	Fatal	Canada	Flue cured	2.96	1.38	6.37	6.57	80-89	40-49	55-59
SEMENC	Nutrition Canad [9]	m	Fatal	Canada	Flue cured	2.54	1.66	3.90	21.06	80-89	50-59	65-69
TATE	Manitoba[10]	m	Both	Canada	Flue cured	1.61	1.29	2.01	78.13	1990+	40-49	45-49
TATE	Manitoba[10]	m	Both	Canada	Flue cured	1.51	1.22	1.87	84.24	1990+	40-49	50-54
TATE	Manitoba[10]	m	Both	Canada	Flue cured	1.49	1.20	1.86	80.01	1990+	50-59	55-59
TATE	Manitoba[10]	m	Both	Canada	Flue cured	1.45	1.15	1.82	72.91	1990+	50-59	60-64
TATE	Manitoba[10]	m	Both	Canada	Flue cured	1.24	0.96	1.60	58.89	1990+	60-69	65-69
TATE	Manitoba[10]	m	Both	Canada	Flue cured	1.11	0.80	1.55	35.13	1990+	60-69	70-74
TATE	Manitoba[10]	m	Both	Canada	Flue cured	0.87	0.56	1.37	19.20	1990+	70-79	75-79
TATE	Manitoba[10]	m	Both	Canada	Flue cured	0.71	0.33	1.55	6.42	1990+	70-79	80-84
CHUN	Hunter Region 8[12]	m	Both#	Australia	Flue cured	2.90	2.70	3.10	805.13	80-89	50-59	50-54
SPENCE	Perth[15]	m	Both#	Australia	Flue cured	2.50	1.77	3.54	31.98	1990+	40-49	45-49
PRESC1	3 Copenhagen st[98]	f	Fatal	Denmark	Blended	1.89	1.65	2.18	198.05	1990+	50-59	70-74
BOER	Consultation Bu[23]	f	Fatal	Netherlands	Blended	2.88	1.38	6.00	7.11	1990+	40-49	50-54
CULLEN	Munster[18]	f	Both#	Germany	Blended	2.13	0.97	4.66	6.24	1990+	40-49	45-49
BUSH	Washington Coun[55]	f	Fatal#	USA	Blended	2.12	1.05	4.27	7.79	70-79	30-39	45-49
BUSH	Washington Coun[55]	f	Fatal#	USA	Blended	1.44	1.18	1.76	93.15	70-79	50-59	65-69
BUSH	Washington Coun[55]	f	Fatal#	USA	Blended	0.99	0.73	1.34	42.39	70-79	60-69	80-84
FREUND	Framingham[60]	f	Both	USA	Blended	1.20	1.00	1.60	69.56	80-89	50-59	85-89
FREUND	Framingham[60]	f	Both	USA	Blended	1.20	0.90	1.60	46.42	80-89	70-79	95+
FRIED2	Kaiser-Permanen[62]	f	Fatal	USA	Blended	2.75	0.61	12.36	1.70	80-89	40-49	50-54
FRIED2	Kaiser-Permanen[62]	f	Fatal	USA	Blended	2.35	1.34	4.13	12.13	80-89	50-59	65-69
FRIED2	Kaiser-Permanen[62]	f	Fatal	USA	Blended	1.94	1.21	3.12	17.13	80-89	60-69	75-79
FRIED2	Kaiser-Permanen[62]	f	Fatal	USA	Blended	1.18	0.70	2.00	13.94	80-89	80-89	95+
FRIED2	Kaiser-Permanen[62]	f	Fatal	USA	Blended	1.74	1.32	2.31	49.07	80-89	60-69	75-79
KAWAC2	Nurses[70]	f	Fatal	USA	Blended	4.35	3.03	5.88	34.96	80-89	40-49	50-54
LACROI	Study of elderl[73]	f	Fatal	USA	Blended	1.50	0.90	3.10	10.05	80-89	80-89	85-89
PAGANI	Leisure World[78]	f	Fatal	USA	Blended	1.47	1.10	1.95	46.88	1990+	80-89	90-94
ROSEN1	MI in young wom[81]	f	Nonfatal#	USA	Blended	5.13	2.57	10.24	8.06	70-79	30-39	30-34
ROSEN1	MI in young wom[81]	f	Nonfatal#	USA	Blended	3.55	2.10	6.02	13.80	70-79	40-49	40-44

Analysis run on 27-FEB-06

Table 9
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Field List

Ref	Study title	SEX	CHD Type	Country	FlueC/Blended	RR	RRL	RRU	WT	MidYr/YFUP	Age	Est 5Y Age
ROSEN1	MI in young wom[81]	f	Nonfatal#	USA	Blended	3.13	2.20	4.46	30.96	70-79	40-49	45-49
ROSEN1	MI in young wom[81]	f	Nonfatal#	USA	Blended	3.48	2.66	4.55	53.51	70-79	30-39	35-39
ROSEN3	MI in women[83]	f	Nonfatal#	USA	Blended	3.60	3.00	4.40	104.76	80-89	40-49	40-44
ROSEN4	Black Women's H[84]	f	Nonfatal#	USA	Blended	1.91	1.37	2.66	35.43	1990+	40-49	45-49
THUN1	CPS I[116]	f	Fatal	USA	Blended	5.93	0.98	35.93	1.18	60-69	30-39	35-39
THUN1	CPS I[116]	f	Fatal	USA	Blended	2.42	1.34	4.36	11.04	60-69	40-49	40-44
THUN1	CPS I[116]	f	Fatal	USA	Blended	2.73	2.01	3.72	40.55	60-69	40-49	45-49
THUN1	CPS I[116]	f	Fatal	USA	Blended	2.49	2.06	3.01	106.85	60-69	50-59	50-54
THUN1	CPS I[116]	f	Fatal	USA	Blended	2.41	2.07	2.81	164.50	60-69	50-59	55-59
THUN1	CPS I[116]	f	Fatal	USA	Blended	1.69	1.48	1.92	226.82	60-69	60-69	60-64
THUN1	CPS I[116]	f	Fatal	USA	Blended	1.52	1.34	1.72	246.54	60-69	60-69	65-69
THUN1	CPS I[116]	f	Fatal	USA	Blended	1.38	1.20	1.59	194.04	60-69	70-79	70-74
THUN1	CPS I[116]	f	Fatal	USA	Blended	1.09	0.91	1.30	120.79	60-69	70-79	75-79
THUN1	CPS I[116]	f	Fatal	USA	Blended	1.11	0.86	1.43	59.43	60-69	80-89	80-84
THUN1	CPS I[116]	f	Fatal	USA	Blended	1.18	0.84	1.66	33.12	60-69	90+	90-94
THUN2	CPS II[116]	f	Fatal	USA	Blended	1.51	0.50	4.55	3.15	80-89	40-49	40-44
THUN2	CPS II[116]	f	Fatal	USA	Blended	7.26	3.76	14.04	8.85	80-89	40-49	45-49
THUN2	CPS II[116]	f	Fatal	USA	Blended	5.69	3.86	8.37	25.65	80-89	50-59	50-54
THUN2	CPS II[116]	f	Fatal	USA	Blended	3.16	2.49	4.00	68.39	80-89	50-59	55-59
THUN2	CPS II[116]	f	Fatal	USA	Blended	2.62	2.23	3.09	144.44	80-89	60-69	60-64
THUN2	CPS II[116]	f	Fatal	USA	Blended	2.44	2.13	2.80	205.43	80-89	60-69	65-69
THUN2	CPS II[116]	f	Fatal	USA	Blended	1.89	1.65	2.15	219.33	80-89	70-79	70-74
THUN2	CPS II[116]	f	Fatal	USA	Blended	1.60	1.38	1.84	185.67	80-89	70-79	75-79
THUN2	CPS II[116]	f	Fatal	USA	Blended	1.30	1.06	1.59	93.47	80-89	80-89	80-84
THUN2	CPS II[116]	f	Fatal	USA	Blended	1.13	0.89	1.44	66.37	80-89	90+	90-94
YUSUF	NHANES[93]	f	Both	USA	Blended	1.70	1.40	2.00	120.79	1990+	50-59	70-74
CROFT	RCGP OC[35]	f	Both#	UK	Flue cured	2.45	1.66	3.63	25.10	60-69	50-59	55-59
DUNN	MICA[38]	f	Both#	UK	Flue cured	9.71	7.29	12.93	46.79	1990+	30-39	30-34
PARISH	ISIS[44]	f	Nonfatal	UK	Flue cured	4.41	3.77	5.18	151.88	1990+	40-49	40-44
PARISH	ISIS[44]	f	Nonfatal	UK	Flue cured	2.15	1.90	2.43	250.43	1990+	60-69	65-69
TUNSTA	Scottish heart[47]	f	Fatal	UK	Flue cured	3.24	2.11	4.97	20.94	1990+	40-49	55-59
WHITEL	Renfrew and Pai[41]	f	Fatal	UK	Flue cured	1.81	1.57	2.09	187.75	1990+	50-59	75-79
DEPART	Canadian Vetera [4]	f	Fatal	Canada	Flue cured	1.61	1.43	1.80	290.20	60-69	40-49	50-54
SEMENC	Nutrition Canad [9]	f	Fatal	Canada	Flue cured	1.37	0.85	2.20	16.99	80-89	50-59	65-69
CHUN	Hunter Region 8[12]	f	Both#	Australia	Flue cured	3.50	3.20	3.80	520.32	80-89	50-59	50-54
ALROOM	Hunter Region 8[11]	c	Both	Australia	Flue cured	1.79	1.14	2.81	18.88	80-89	40-49	45-49
PRESC1	3 Copenhagen st[98]	m	Fatal	Denmark	Blended	1.40	1.25	1.57	295.77	1990+	50-59	70-74
WEIJEN	Zutphen (7 coun[29]	m	Fatal	Netherlands	Blended	0.99	0.47	2.08	6.95	1990+	70-79	75-79
FRIED2	Kaiser-Permanen[62]	m	Fatal	USA	Blended	1.85	0.61	5.58	3.14	80-89	40-49	50-54

Analysis run on 27-FEB-06

Table 9
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Field List

Ref	Study title	SEX	CHD Type	Country	FlueC/Blended	RR	RRL	RRU	WT	MidYr/YFUP	Age	Est 5Y Age
FRIED2	Kaiser-Permanen[62]	m	Fatal	USA	Blended	1.50	0.96	2.33	19.54	80-89	50-59	65-69
FRIED2	Kaiser-Permanen[62]	m	Fatal	USA	Blended	0.75	0.50	1.13	23.11	80-89	60-69	75-79
FRIED2	Kaiser-Permanen[62]	m	Fatal	USA	Blended	1.29	0.94	1.78	37.69	80-89	80-89	95+
FRIED2	Kaiser-Permanen[62]	m	Fatal	USA	Blended	1.15	0.93	1.43	83.01	80-89	60-69	75-79
HAMMO2	CPS I (Ex-smok)[64]	m	Fatal	USA	Blended	1.49	1.40	1.58	1050.37	60-69	60-69	60-64
HAMMON	US Nine State[63]	m	Fatal#	USA	Blended	1.77	1.53	2.03	192.18	Pre 1960	50-59	60-64
HRUBEC	Veterans[65]	m	Fatal	USA	Blended	1.19	1.16	1.22	6041.98	80-89	60-69	85-89
KEYS	Minneapolis St[71]	m	Both#	USA	Blended	2.10	1.01	4.39	7.12	70-79	50-59	75-79
LACROI	Study of elderl[73]	m	Fatal	USA	Blended	1.20	0.80	2.00	18.30	80-89	80-89	85-89
PAGANI	Leisure World[78]	m	Fatal	USA	Blended	1.16	0.98	1.37	136.91	1990+	80-89	90-94
ROSEN2	MI in young men[82]	m	Nonfatal#	USA	Blended	1.20	1.00	1.50	93.47	80-89	30-39	35-39
TYROLE	Evans county[89]	m	Fatal	USA	Blended	0.91	0.81	1.03	266.16	80-89	50-59	70-74
BENSHL	Civil servants[31]	m	Fatal	UK	Flue cured	1.09	0.91	1.29	126.19	80-89	50-59	70-74
BRETT1	Industrial work[32]	m	Fatal#	UK	Flue cured	1.11	0.56	2.22	8.10	60-69	40-49	50-54
BRETT1	Industrial work[32]	m	Fatal#	UK	Flue cured	1.61	0.91	2.87	11.65	60-69	60-69	65-69
DOLL2	British Doctors[37]	m	Fatal	UK	Flue cured	1.18	1.10	1.28	669.05	1990+	40-49	85-89
HUMPHR	Northwick Park[43]	m	Both#	UK	Flue cured	1.34	0.86	2.08	19.70	1990+	50-59	60-64
PARISH	ISIS[44]	m	Nonfatal	UK	Flue cured	1.66	1.49	1.84	340.27	1990+	40-49	40-44
PARISH	ISIS[44]	m	Nonfatal	UK	Flue cured	0.71	0.64	0.79	331.24	1990+	60-69	65-69
TANG	British Regiona[34]	m	Both	UK	Flue cured	1.15	0.77	1.59	29.23	80-89	40-49	55-59
TUNSTA	Scottish heart[47]	m	Fatal	UK	Flue cured	1.54	1.16	2.04	48.22	1990+	40-49	55-59
WHITEL	Renfrew and Pai[41]	m	Fatal	UK	Flue cured	1.40	1.16	1.68	112.02	1990+	50-59	75-79
DAGEN2	Quebec [6]	m	Fatal	Canada	Flue cured	0.90	0.40	2.40	4.79	80-89	40-49	55-59
DEPART	Canadian Vetera [4]	m	Fatal	Canada	Flue cured	1.46	1.18	1.80	86.18	60-69	40-49	55-59
SEMENC	Nutrition Canad [9]	m	Fatal	Canada	Flue cured	1.19	0.75	1.91	17.59	80-89	50-59	65-69
CHUN	Hunter Region 8[12]	m	Both#	Australia	Flue cured	1.20	1.10	1.30	550.63	80-89	50-59	50-54
SPENCE	Perth[15]	m	Both#	Australia	Flue cured	1.25	0.77	2.02	16.52	1990+	40-49	45-49
PRESC1	3 Copenhagen st[98]	f	Fatal	Denmark	Blended	1.30	1.11	1.52	155.50	1990+	50-59	70-74
BUSH	Washington Coun[55]	f	Fatal#	USA	Blended	1.61	0.52	4.99	3.01	70-79	40-49	60-64
BUSH	Washington Coun[55]	f	Fatal#	USA	Blended	0.66	0.41	1.07	17.16	70-79	50-59	65-69
BUSH	Washington Coun[55]	f	Fatal#	USA	Blended	0.86	0.52	1.42	15.03	70-79	60-69	80-84
FRIED2	Kaiser-Permanen[62]	f	Fatal	USA	Blended	0.43	0.13	1.47	2.61	80-89	50-59	65-69
FRIED2	Kaiser-Permanen[62]	f	Fatal	USA	Blended	1.20	0.68	2.13	11.79	80-89	60-69	75-79
FRIED2	Kaiser-Permanen[62]	f	Fatal	USA	Blended	1.67	1.13	2.49	24.62	80-89	80-89	95+
FRIED2	Kaiser-Permanen[62]	f	Fatal	USA	Blended	1.29	0.95	1.77	39.68	80-89	60-69	75-79
KAWAC2	Nurses[70]	f	Fatal	USA	Blended	1.62	1.09	2.40	24.67	80-89	40-49	50-54
LACROI	Study of elderl[73]	f	Fatal	USA	Blended	0.50	0.30	1.10	9.10	80-89	80-89	85-89
PAGANI	Leisure World[78]	f	Fatal	USA	Blended	1.28	1.06	1.55	106.42	1990+	80-89	90-94
ROSEN1	MI in young wom[81]	f	Nonfatal#	USA	Blended	1.03	0.67	1.57	20.94	70-79	30-39	35-39

Analysis run on 27-FEB-06

Table 9
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Field List

Ref	Study title	SEX	CHD Type	Country	FlueC/Blended	RR	RRL	RRU	WT	MidYr/YFUP	Age	Est 5Y Age
ROSEN3	MI in women[83]	f	Nonfatal#	USA	Blended	1.20	1.00	1.70	54.57	80-89	40-49	40-44
ROSEN4	Black Women's H[84]	f	Nonfatal#	USA	Blended	2.00	1.40	2.70	35.62	1990+	40-49	45-49
PARISH	ISIS[44]	f	Nonfatal	UK	Flue cured	1.59	1.29	1.97	85.61	1990+	40-49	40-44
PARISH	ISIS[44]	f	Nonfatal	UK	Flue cured	1.13	0.99	1.28	238.52	1990+	60-69	65-69
TUNSTA	Scottish heart[47]	f	Fatal	UK	Flue cured	2.50	1.91	3.27	53.15	1990+	40-49	55-59
WHITEL	Renfrew and Pai[41]	f	Fatal	UK	Flue cured	1.18	0.90	1.54	53.26	1990+	50-59	75-79
SEMENC	Nutrition Canad [9]	f	Fatal	Canada	Flue cured	1.54	0.77	3.09	7.96	80-89	50-59	65-69
CHUN	Hunter Region 8[12]	f	Both#	Australia	Flue cured	1.20	1.10	1.40	264.21	80-89	50-59	50-54

Table 9
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Field List

Comments on values in listings

SIMONS	CHD Type	Cardiovascular
DOERKE	CHD Type	CHD deaths + MI
HAMMON	CHD Type	Coronary artery disease
DOERKE	CHD Type	CHD deaths + MI
MATROO	CHD Type	CHD deaths + MI
CREME2	CHD Type	CHD deaths + MI
HEIDRI	CHD Type	CHD deaths + MI
KEYS	CHD Type	CHD deaths + MI
ROSEN2	CHD Type	first non-fatal MI
BRETT1	CHD Type	Coronary thrombosis
BRETT1	CHD Type	Coronary thrombosis
HUMPHR	CHD Type	CHD fatal, MI (+silent), Coronary artery surgery
CHUN	CHD Type	CHD deaths + MI
SPENCE	CHD Type	CHD deaths + MI
CULLEN	CHD Type	CHD deaths + MI
BUSH	CHD Type	Arteriosclerotic heart disease
BUSH	CHD Type	Arteriosclerotic heart disease
BUSH	CHD Type	Arteriosclerotic heart disease
ROSEN1	CHD Type	first non-fatal MI
ROSEN1	CHD Type	first non-fatal MI
ROSEN1	CHD Type	first non-fatal MI
ROSEN1	CHD Type	first non-fatal MI
ROSEN3	CHD Type	first non-fatal MI
ROSEN4	CHD Type	Self reported heart attack
CROFT	CHD Type	CHD deaths + MI
DUNN	CHD Type	CHD deaths + MI
CHUN	CHD Type	CHD deaths + MI
HAMMON	CHD Type	Coronary artery disease
KEYS	CHD Type	CHD deaths + MI
ROSEN2	CHD Type	first non-fatal MI
BRETT1	CHD Type	Coronary thrombosis
BRETT1	CHD Type	Coronary thrombosis
HUMPHR	CHD Type	CHD fatal, MI (+silent), Coronary artery surgery
CHUN	CHD Type	CHD deaths + MI
SPENCE	CHD Type	CHD deaths + MI
BUSH	CHD Type	Arteriosclerotic heart disease
BUSH	CHD Type	Arteriosclerotic heart disease
BUSH	CHD Type	Arteriosclerotic heart disease
ROSEN1	CHD Type	first non-fatal MI

Table 9
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Field List

Comments on values in listings

ROSEN3	CHD Type	first non-fatal MI
ROSEN4	CHD Type	Self reported heart attack
CHUN	CHD Type	CHD deaths + MI

Table 10
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
One Way Analysis of Variance

	Smoking Status 1 Ever Smo	2 Current	3 Ex Smoke	Total
Relative risk				
combined N	1	4	1	6
Mean	1.4100	3.5100	1.7900	2.8733
CIl				
CIu				
St.Err	X	1.0367	X	0.7710
P		N.S.	N.S.	N.S.
male N	9	80	30	119
Mean	3.9178	2.1122	1.2912	2.0418
CIl		-3.2178	-4.1531	
CIu		-0.3934	-1.1000	
St.Err	2.2895	0.1238	0.0572	0.1936
P		-	---	**
female N	6	53	20	79
Mean	6.4033	2.5744	1.2895	2.5399
CIl		-6.3378	-7.8250	
CIu		-1.3201	-2.4027	
St.Err	4.0798	0.2302	0.1095	0.3537
P		--	---	**

Linear Regression
Examining the effect of individual factors

Log Relative risk
WEIGHTED on Weight

		Deviance	(DF)				
Ever Smoker							
Model 1		304.5169	(15)				
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.5428	0.0152	+++	1.7209	1.6705	1.7728
		Deviance	(DF)	Drop Dev	P		
Model 2		234.5430	(13)	69.9739	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.3436	0.1551	+	1.4100	1.0405	1.9108
: Sex (RR)							
combined	1	Aliased					
male	9	0.1786	0.1558	N.S.	1.6858	1.6354	1.7377
female	6	0.9051	0.1776	+++	3.4857	2.9420	4.1298
		Deviance	(DF)	Drop Dev	P		
Model 2		184.0503	(13)	120.4667	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.5233	0.0155	+++	1.6875	1.6369	1.7397
: CHD type							
Fatal	8	Aliased					
Nonfatal	4	-0.1255	0.0911	N.S.	1.4885	1.2482	1.7749
Both	4	1.1934	0.1100	+++	5.5660	4.4966	6.8898
		Deviance	(DF)	Drop Dev	P		
Model 2		21.5910	(11)	282.9259	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.7567	0.2893	+	2.1312	1.2089	3.7572

Table 10
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Examining the effect of individual factors

Log Relative risk
WEIGHTED on Weight

		Estimate	S.E.	P	RR	95%CIl	95%CIu
Country							
Denmark	0	Aliased					
Netherlands	2	Aliased					
Germany	2	2.5149	0.3327	+++	26.3521	19.0965	36.3645
Austria	0	Aliased					
USA	5	-0.2313	0.2897	N.S.	1.6912	1.6402	1.7438
UK	4	-0.3589	0.3029	N.S.	1.4885	1.2482	1.7749
Canada	0	Aliased					
Australia	3	-0.4051	0.3115	N.S.	1.4213	1.1331	1.7828
		Deviance	(DF)	Drop Dev	P		
Model 2		190.7871	(11)	113.7299	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.5252	0.0157	+++	1.6908	1.6396	1.7437
Grouped Mid-Year Study or Final Follow-up							
Pre 1960	2	Aliased					
60-69	4	1.1693	0.1114	+++	5.4438	4.3860	6.7567
70-79	7	-0.0471	0.0855	N.S.	1.6130	1.3682	1.9017
80-89	2	-0.1637	0.1743	N.S.	1.4356	1.0217	2.0172
1990+	1	-0.1816	0.1559	N.S.	1.4100	1.0405	1.9108
		Deviance	(DF)	Drop Dev	P		
Model 2		234.4187	(14)	70.0983	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		1.9936	0.1739	+++	7.3418	5.2209	10.3243
Mid Age		-0.2952	0.0353	---	5.4649	7.6308	3.9138
Parameter							
		Deviance	(DF)	Drop Dev	P		
Model 2		15.2215	(11)	289.2954	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		3.2715	0.1643	+++	26.3521	19.0965	36.3645
Mid Age Group							
30-39	2	Aliased					
40-49	7	-2.7478	0.1709	---	1.6883	1.5397	1.8512
50-59	4	-2.7439	0.1651	---	1.6950	1.6416	1.7501
60-69	2	-3.1242	0.2036	---	1.1588	0.9156	1.4666
70-79	1	-2.9280	0.2259	---	1.4100	1.0405	1.9108
80-89	0	Aliased					
90+	0	Aliased					
		Deviance	(DF)	Drop Dev	P		
Model 2		299.0192	(14)	5.4977	*		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.3804	0.0709	+++	1.4628	1.2730	1.6810
Flue Cured v Blended							
Flue cured	7	Aliased					
Blended	9	0.1702	0.0726	+	1.7343	1.6823	1.7879
		Deviance	(DF)	Drop Dev	P		
Model 2		279.8358	(14)	24.6812	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.8535	0.0643	+++	2.3478	2.0696	2.6633
Prospective							
CaseCont	10	Aliased					
Prosp	6	-0.3289	0.0662	---	1.6897	1.6388	1.7422
		Deviance	(DF)	Drop Dev	P		
Model 2		176.1545	(14)	128.3624	***		

Table 10
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Examining the effect of individual factors

Log Relative risk
WEIGHTED on Weight

		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		2.6937	0.1904	+++	14.7861	10.1799	21.4764
Est Age		-0.0346	0.0031	---	14.2827	20.7442	9.8338
Parameter							
		Deviance	(DF)	Drop Dev	P		
Model 2		17.7331	(10)	286.7839	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		3.2715	0.1643	+++	26.3521	19.0965	36.3645
Est Age Group							
30-39	2	Aliased					
40-49	3	-2.4701	0.2086	---	2.2288	1.7324	2.8674
50-59	1	-2.8015	0.1725	---	1.6000	1.4432	1.7739
60-69	5	-2.7472	0.1651	---	1.6893	1.6362	1.7441
70-79	3	-2.8543	0.2146	---	1.5177	1.1581	1.9890
80-89	2	-2.9362	0.2045	---	1.3984	1.1016	1.7751
90+	0	Aliased					
		Deviance	(DF)	Drop Dev	P		
Model 2		13.3464	(8)	291.1706	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		3.2715	0.1643	+++	26.3521	19.0965	36.3645
Est 5-Yr Age Group							
30-34	2	Aliased					
35-39	0	Aliased					
40-44	2	-2.5573	0.2127	---	2.0426	1.5674	2.6620
45-49	1	-1.6403	0.4480	--	5.1100	2.2575	11.5668
50-54	0	Aliased					
55-59	1	-2.8015	0.1725	---	1.6000	1.4432	1.7739
60-64	5	-2.7472	0.1651	---	1.6893	1.6362	1.7441
65-69	0	Aliased					
70-74	3	-2.8543	0.2146	---	1.5177	1.1581	1.9890
75-79	0	Aliased					
80-84	1	-2.9495	0.2561	---	1.3800	0.9391	2.0280
85-89	1	-2.9280	0.2259	---	1.4100	1.0405	1.9108
90-94	0	Aliased					
95+	0	Aliased					
		Deviance	(DF)				
Current Smoker							
Model 1		2059.2916	(136)				
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.6220	0.0074	+++	1.8627	1.8358	1.8899
		Deviance	(DF)	Drop Dev	P		
Model 2		1971.9855	(134)	87.3060	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.8892	0.0975	+++	2.4331	2.0098	2.9454
: Sex (RR)							
combined	4	Aliased					
male	80	-0.3083	0.0979	--	1.7875	1.7575	1.8181
female	53	-0.1576	0.0986	N.S.	2.0784	2.0202	2.1383
		Deviance	(DF)	Drop Dev	P		
Model 2		1804.2844	(134)	255.0071	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.5602	0.0087	+++	1.7510	1.7213	1.7811
: CHD type							
Fatal	92	Aliased					
Nonfatal	12	0.4222	0.0286	+++	2.6707	2.5316	2.8174
Both	33	0.1525	0.0187	+++	2.0395	1.9746	2.1065

Table 10
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Examining the effect of individual factors

Log Relative risk
WEIGHTED on Weight

		Deviance	(DF)	Drop Dev	P			
Model 2		1619.7214	(130)	439.5702	***			
		Estimate	S.E.	P	RR	95%CIl	95%CIu	
Constant		0.6090	0.0413	+++	1.8386	1.6956	1.9936	
Country								
Denmark	3	Aliased						
Netherlands	4	0.0903	0.1155	N.S.	2.0123	1.6288	2.4860	
Germany	3	0.3080	0.1242	+	2.5017	1.9884	3.1476	
Austria	0	Aliased						
USA	95	-0.0397	0.0422	N.S.	1.7671	1.7370	1.7978	
UK	16	0.0695	0.0462	N.S.	1.9709	1.8925	2.0526	
Canada	12	-0.2028	0.0548	---	1.5011	1.3988	1.6110	
Australia	4	0.5192	0.0493	+++	3.0899	2.9311	3.2574	
		Deviance	(DF)	Drop Dev	P			
Model 2		1477.6698	(132)	581.6218	***			
		Estimate	S.E.	P	RR	95%CIl	95%CIu	
Constant		0.4028	0.0149	+++	1.4960	1.4531	1.5403	
Grouped Mid-Year Study or Final Follow-up								
Pre 1960	22	Aliased						
60-69	37	0.1344	0.0202	+++	1.7112	1.6661	1.7575	
70-79	23	0.2699	0.0249	+++	1.9595	1.8843	2.0378	
80-89	46	0.4204	0.0208	+++	2.2779	2.2136	2.3442	
1990+	9	0.5585	0.0333	+++	2.6152	2.4667	2.7727	
		Deviance	(DF)	Drop Dev	P			
Model 2		1627.4338	(135)	431.8578	***			
		Estimate	S.E.	P	RR	95%CIl	95%CIu	
Constant		1.3664	0.0366	+++	3.9212	3.6499	4.2126	
Mid Age		-0.1371	0.0066	---	3.4189	3.6687	3.1861	
Parameter								
		Deviance	(DF)	Drop Dev	P			
Model 2		1529.1940	(130)	530.0975	***			
		Estimate	S.E.	P	RR	95%CIl	95%CIu	
Constant		1.4123	0.0647	+++	4.1055	3.6165	4.6607	
Mid Age Group								
30-39	10	Aliased						
40-49	40	-0.6904	0.0670	---	2.0583	1.9901	2.1290	
50-59	40	-0.6922	0.0658	---	2.0548	2.0070	2.1038	
60-69	19	-0.8623	0.0664	---	1.7334	1.6841	1.7841	
70-79	14	-1.0527	0.0679	---	1.4328	1.3758	1.4921	
80-89	10	-1.0992	0.0777	---	1.3676	1.2569	1.4882	
90+	4	-1.2597	0.0954	---	1.1649	1.0152	1.3365	
		Deviance	(DF)	Drop Dev	P			
Model 2		1928.9127	(135)	130.3788	***			
		Estimate	S.E.	P	RR	95%CIl	95%CIu	
Constant		0.7702	0.0149	+++	2.1601	2.0978	2.2243	
Flue Cured v Blended								
Flue cured	32	Aliased						
Blended	105	-0.1965	0.0172	---	1.7748	1.7454	1.8047	
		Deviance	(DF)	Drop Dev	P			
Model 2		1865.8224	(135)	193.4691	***			
		Estimate	S.E.	P	RR	95%CIl	95%CIu	
Constant		0.9560	0.0251	+++	2.6013	2.4762	2.7326	
Prospective								
CaseCont	18	Aliased						
Prosp	119	-0.3658	0.0263	---	1.8044	1.7772	1.8320	

Table 10
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Examining the effect of individual factors

Log Relative risk
WEIGHTED on Weight

		Deviance	(DF)	Drop Dev	P		
Model 2		1119.3505	(135)	939.9410	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		1.7701	0.0382	+++	5.8714	5.4481	6.3275
Est Age		-0.0180	0.0006	---	5.7668	6.2147	5.3511
Parameter							
		Deviance	(DF)	Drop Dev	P		
Model 2		1242.7906	(130)	816.5009	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		1.4347	0.0658	+++	4.1982	3.6903	4.7760
Est Age Group							
30-39	9	Aliased					
40-49	24	-0.5482	0.0695	---	2.4266	2.3221	2.5358
50-59	35	-0.6477	0.0671	---	2.1967	2.1399	2.2550
60-69	22	-0.8829	0.0674	---	1.7364	1.6879	1.7863
70-79	26	-0.9856	0.0677	---	1.5668	1.5185	1.6166
80-89	11	-1.1509	0.0714	---	1.3281	1.2576	1.4025
90+	10	-1.2638	0.0821	---	1.1863	1.0774	1.3063
		Deviance	(DF)	Drop Dev	P		
Model 2		935.1304	(123)	1124.1611	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		2.1671	0.1324	+++	8.7326	6.7366	11.3199
Est 5-Yr Age Group							
30-34	3	Aliased					
35-39	6	-0.9725	0.1526	---	3.3020	2.8461	3.8310
40-44	10	-1.0113	0.1364	---	3.1766	2.9801	3.3860
45-49	14	-1.5245	0.1360	---	1.9014	1.7893	2.0205
50-54	21	-1.2795	0.1336	---	2.4292	2.3472	2.5140
55-59	14	-1.5200	0.1340	---	1.9098	1.8341	1.9887
60-64	6	-1.4613	0.1355	---	2.0253	1.9146	2.1423
65-69	16	-1.6678	0.1335	---	1.6475	1.5942	1.7025
70-74	12	-1.6657	0.1340	---	1.6509	1.5863	1.7182
75-79	14	-1.8016	0.1349	---	1.4412	1.3703	1.5158
80-84	6	-1.8991	0.1407	---	1.3073	1.1911	1.4347
85-89	5	-1.8751	0.1368	---	1.3391	1.2519	1.4324
90-94	6	-1.9510	0.1449	---	1.2412	1.1061	1.3929
95+	4	-2.1009	0.1598	---	1.0684	0.8965	1.2732
		Deviance	(DF)				
Ex Smoker							
Model 1		323.5283	(50)				
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.2043	0.0092	+++	1.2267	1.2048	1.2489
		Deviance	(DF)	Drop Dev	P		
Model 2		318.4503	(48)	5.0780	(*)		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.5822	0.2301	+	1.7900	1.1401	2.8103
: Sex (RR)							
combined	1	Aliased					
male	30	-0.3833	0.2303	N.S.	1.2201	1.1971	1.2435
female	20	-0.3368	0.2319	N.S.	1.2782	1.2085	1.3519
		Deviance	(DF)	Drop Dev	P		
Model 2		319.2279	(48)	4.3004	N.S.		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.2118	0.0101	+++	1.2359	1.2117	1.2606

Table 10
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Examining the effect of individual factors

Log Relative risk
WEIGHTED on Weight

		Estimate	S.E.	P	RR	95%CIl	95%CIu
: CHD type							
Fatal	36	Aliased					
Nonfatal	8	-0.0630	0.0306	-	1.1604	1.0966	1.2280
Both	7	-0.0150	0.0347	N.S.	1.2175	1.1408	1.2994
		Deviance	(DF)	Drop Dev	P		
Model 2		314.6898	(45)	8.8386	N.S.		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.3109	0.0471	+++	1.3647	1.2444	1.4966
Country							
Denmark	2	Aliased					
Netherlands	1	-0.3210	0.3823	N.S.	0.9900	0.4706	2.0826
Germany	0	Aliased					
Austria	0	Aliased					
USA	26	-0.1062	0.0483	-	1.2271	1.2011	1.2538
UK	14	-0.1321	0.0518	-	1.1958	1.1461	1.2478
Canada	4	0.0204	0.1039	N.S.	1.3928	1.1616	1.6702
Australia	4	-0.1189	0.0582	-	1.2117	1.1329	1.2959
		Deviance	(DF)	Drop Dev	P		
Model 2		288.3768	(46)	35.1515	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.2148	0.0111	+++	1.2396	1.2128	1.2670
Grouped Mid-Year Study or Final Follow-up							
Pre 1960	6	Aliased					
60-69	7	-0.2499	0.0486	---	0.9655	0.8800	1.0592
70-79	10	0.0753	0.0389	(+)	1.3365	1.2424	1.4376
80-89	21	0.0011	0.0273	N.S.	1.2409	1.1817	1.3031
1990+	7	-0.0644	0.0326	(-)	1.1623	1.0946	1.2341
		Deviance	(DF)	Drop Dev	P		
Model 2		305.9080	(49)	17.6203	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.4592	0.0614	+++	1.5828	1.4033	1.7852
Mid Age		-0.0455	0.0108	---	1.5124	1.7026	1.3434
Parameter							
		Deviance	(DF)	Drop Dev	P		
Model 2		293.1025	(45)	30.4258	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.1535	0.0935	N.S.	1.1660	0.9707	1.4004
Mid Age Group							
30-39	2	Aliased					
40-49	16	0.1798	0.0970	(+)	1.3956	1.3263	1.4686
50-59	16	0.0586	0.0960	N.S.	1.2363	1.1847	1.2903
60-69	10	0.0255	0.0942	N.S.	1.1961	1.1699	1.2228
70-79	1	-0.1636	0.3908	N.S.	0.9900	0.4706	2.0826
80-89	6	0.0442	0.1084	N.S.	1.2186	1.0945	1.3567
90+	0	Aliased					
		Deviance	(DF)	Drop Dev	P		
Model 2		322.4445	(49)	1.0838	N.S.		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.1882	0.0180	+++	1.2071	1.1653	1.2504
Flue Cured v Blended							
Flue cured	22	Aliased					
Blended	29	0.0218	0.0209	N.S.	1.2336	1.2081	1.2597
		Deviance	(DF)	Drop Dev	P		
Model 2		319.4144	(49)	4.1140	*		

Table 10
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Examining the effect of individual factors

Log Relative risk
WEIGHTED on Weight

		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.1488	0.0289	+++	1.1604	1.0966	1.2280
Prospective							
CaseCont	8	Aliased					
Prosp	43	0.0617	0.0304	+	1.2343	1.2112	1.2580
		Deviance	(DF)	Drop Dev	P		
Model 2		286.8467	(49)	36.6816	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.4985	0.0494	+++	1.6462	1.4942	1.8137
Est Age		-0.0038	0.0006	---	1.6400	1.8068	1.4886
Parameter							
		Deviance	(DF)	Drop Dev	P		
Model 2		269.0191	(44)	54.5093	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.1535	0.0935	N.S.	1.1660	0.9707	1.4004
Est Age Group							
30-39	2	Aliased					
40-49	6	0.3200	0.1027	++	1.6056	1.4770	1.7454
50-59	10	0.0973	0.0984	N.S.	1.2851	1.2104	1.3643
60-69	12	0.0877	0.0963	N.S.	1.2728	1.2170	1.3312
70-79	12	0.0117	0.0979	N.S.	1.1796	1.1142	1.2489
80-89	5	0.0177	0.0943	N.S.	1.1868	1.1588	1.2154
90+	4	0.0716	0.1096	N.S.	1.2525	1.1197	1.4011
		Deviance	(DF)	Drop Dev	P		
Model 2		126.2232	(38)	197.3052	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.1535	0.0935	N.S.	1.1660	0.9707	1.4004
Est 5-Yr Age Group							
30-34	0	Aliased					
35-39	2	Aliased					
40-44	3	0.3080	0.1040	++	1.5865	1.4508	1.7349
45-49	3	0.4008	0.1511	+	1.7408	1.3796	2.1966
50-54	5	0.0383	0.0996	N.S.	1.2115	1.1328	1.2957
55-59	5	0.3236	0.1151	++	1.6115	1.4126	1.8383
60-64	4	0.2699	0.0976	++	1.5272	1.4454	1.6138
65-69	8	-0.2691	0.1014	-	0.8909	0.8248	0.9623
70-74	4	-0.0041	0.0996	N.S.	1.1612	1.0854	1.2423
75-79	8	0.0510	0.1082	N.S.	1.2270	1.1027	1.3652
80-84	1	-0.3078	0.2744	N.S.	0.8571	0.5170	1.4210
85-89	4	0.0184	0.0943	N.S.	1.1876	1.1596	1.2163
90-94	2	0.0379	0.1134	N.S.	1.2110	1.0680	1.3732
95+	2	0.2031	0.1574	N.S.	1.4285	1.1144	1.8311

Table 11
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Examining the effect of individual factors after inclusion of estimated age group

Log Relative risk
WEIGHTED on Weight

	Deviance	(DF)					
Ever Smoker							
Model 1	304.5169	(15)					
	Estimate	S.E.		P	RR	95%CIl	95%CIu
Constant	0.5428	0.0152		+++	1.7209	1.6705	1.7728
	Deviance	(DF)	Drop Dev	P			
Model 2	13.3464	(8)	291.1706	***			
	Estimate	S.E.		P	RR	95%CIl	95%CIu
Constant	0.5243	0.0163		+++	1.6893	1.6362	1.7441
Est 5-Yr Age Group							
60-64	5 Aliased						
30-34	2 2.7472	0.1651		+++	26.3521	19.0965	36.3645
35-39	0 Aliased						
40-44	2 0.1899	0.1361		N.S.	2.0426	1.5674	2.6620
45-49	1 1.1069	0.4171		+	5.1100	2.2575	11.5668
50-54	0 Aliased						
55-59	1 -0.0543	0.0551		N.S.	1.6000	1.4432	1.7739
65-69	0 Aliased						
70-74	3 -0.1071	0.1389		N.S.	1.5177	1.1581	1.9890
75-79	0 Aliased						
80-84	1 -0.2022	0.1971		N.S.	1.3800	0.9391	2.0280
85-89	1 -0.1807	0.1559		N.S.	1.4100	1.0405	1.9108
90-94	0 Aliased						
95+	0 Aliased						
	Deviance	(DF)	Drop Dev	P			
Model 3	11.7885	(7)	1.5579	N.S.			
	Estimate	S.E.		P	RR	95%CIl	95%CIu
Constant	0.3436	0.1551		(+)	1.4100	1.0405	1.9108
Est 5-Yr Age Group							
60-64	5 Aliased						
30-34	2 2.8815	0.1970		+++	25.1549	19.8216	31.9232
35-39	0 Aliased						
40-44	2 0.2672	0.1495		N.S.	1.8419	1.9965	1.6993
45-49	1 1.2486	0.4323		+	4.9143	2.2283	10.8378
50-54	0 Aliased						
55-59	1 -0.0563	0.0551		N.S.	1.3328	1.7706	1.0032
65-69	0 Aliased						
70-74	3 -0.0837	0.1402		N.S.	1.2968	1.4767	1.1388
75-79	0 Aliased						
80-84	1 -0.2043	0.1971		N.S.	1.1495	0.9057	1.4590
85-89	1 Alias0						
90-94	0 Aliased						
95+	0 Aliased						
: Sex (RR)							
combined	1 Aliased						
male	9 0.1827	0.1559		N.S.	1.6927	1.6393	1.7479
female	6 0.0391	0.1929		N.S.	1.4662	1.1711	1.8356
	Deviance	(DF)	Drop Dev	P			
Model 3	3.3256	(7)	10.0207	**			
	Estimate	S.E.		P	RR	95%CIl	95%CIu
Constant	0.5314	0.0164		+++	1.7012	1.6473	1.7569

Table 11
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Examining the effect of individual factors after inclusion of estimated age group

Log Relative risk
WEIGHTED on Weight

		Estimate	S.E.	P	RR	95%CIl	95%CIu
Est 5-Yr Age Group							
60-64	5	Aliased					
30-34	2	Alias0					
35-39	0	Aliased					
40-44	2	0.5669	0.1808	+	2.9989	2.1070	4.2684
45-49	1	-1.6403	0.4480	--	0.3299	0.1372	0.7934
50-54	0	Aliased					
55-59	1	-0.0614	0.0551	N.S.	1.6000	1.4432	1.7739
65-69	0	Aliased					
70-74	3	-0.1141	0.1389	N.S.	1.5177	1.1581	1.9890
75-79	0	Aliased					
80-84	1	-0.2093	0.1971	N.S.	1.3800	0.9391	2.0280
85-89	1	-2.9280	0.2259	---	0.0910	0.0585	0.1416
90-94	0	Aliased					
95+	0	Aliased					
: CHD type							
Fatal	8	Aliased					
Nonfatal	4	-0.3840	0.1213	-	1.1588	0.9156	1.4666
Both	4	2.7402	0.1651	+++	26.3521	19.0965	36.3645
		Deviance	(DF)	Drop Dev	P		
Model 3		2.4374	(5)	10.9089	*		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.7567	0.2893	+	2.1312	1.2089	3.7572
Est 5-Yr Age Group							
60-64	5	Aliased					
30-34	2	Alias0					
35-39	0	Aliased					
40-44	2	0.5669	0.1808	+	3.7568	5.8480	2.4134
45-49	1	1.1006	0.4171	+	6.4061	3.5545	11.5456
50-54	0	Aliased					
55-59	1	-0.0606	0.0552	N.S.	2.0058	3.4996	1.1497
65-69	0	Aliased					
70-74	3	-0.0178	0.2281	N.S.	2.0936	2.9673	1.4771
75-79	0	Aliased					
80-84	1	-0.2085	0.1971	N.S.	1.7300	2.6199	1.1424
85-89	1	-0.0358	0.3259	N.S.	2.0563	1.5326	2.7591
90-94	0	Aliased					
95+	0	Aliased					
Country							
Denmark	0	Aliased					
Netherlands	2	Aliased					
Germany	2	2.5149	0.3327	+++	26.3521	19.0965	36.3645
Austria	0	Aliased					
USA	5	-0.2261	0.2897	N.S.	1.7000	1.6460	1.7558
UK	4	-0.6093	0.3133	N.S.	1.1588	0.9156	1.4666
Canada	0	Aliased					
Australia	3	-0.3773	0.4072	N.S.	1.4614	0.8333	2.5627
		Deviance	(DF)	Drop Dev	P		
Model 3		6.2212	(6)	7.1252	*		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.5306	0.0165	+++	1.7000	1.6460	1.7558

Table 11
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Examining the effect of individual factors after inclusion of estimated age group

Log Relative risk
WEIGHTED on Weight

		Estimate	S.E.	P	RR	95%CIl	95%CIu
Est 5-Yr Age Group							
60-64	5	Aliased					
30-34	2	Alias0					
35-39	0	Aliased					
40-44	2	0.4772	0.1749	+	2.7396	1.9476	3.8537
45-49	1	1.3941	0.4313	+	6.8536	2.9446	15.9517
50-54	0	Aliased					
55-59	1	-0.0606	0.0552	N.S.	1.6000	1.4432	1.7739
65-69	0	Aliased					
70-74	3	-2.7587	0.2806	---	0.1077	0.0622	0.1865
75-79	0	Aliased					
80-84	1	-2.9495	0.2561	---	0.0890	0.0540	0.1469
85-89	1	Alias0					
90-94	0	Aliased					
95+	0	Aliased					
Grouped Mid-Year Study or Final Follow-up							
Pre 1960	2	Aliased					
60-69	4	2.7409	0.1651	+++	26.3521	19.0965	36.3645
70-79	7	-0.2936	0.1122	-	1.2675	1.0197	1.5755
80-89	2	2.5897	0.3303	+++	22.6529	11.8653	43.2481
1990+	1	-0.1870	0.1559	N.S.	1.4100	1.0405	1.9108
		Deviance	(DF)	Drop Dev	P		
Model 3		3.1464	(7)	10.1999	**		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		2.1895	0.5216	++	8.9307	3.2126	24.8262
Est 5-Yr Age Group							
60-64	5	Aliased					
30-34	2	2.0781	0.2667	+++	71.3526	171.7868	29.6367
35-39	0	Aliased					
40-44	2	-0.1471	0.1722	N.S.	7.7088	20.2353	2.9367
45-49	1	0.7698	0.4303	N.S.	19.2847	34.3752	10.8188
50-54	0	Aliased					
55-59	1	-0.3914	0.1191	-	6.0383	16.3387	2.2315
65-69	0	Aliased					
70-74	3	-0.2343	0.1445	N.S.	7.0653	18.8701	2.6454
75-79	0	Aliased					
80-84	1	-0.2073	0.1971	N.S.	7.2589	18.7061	2.8168
85-89	1	0.4783	0.2586	N.S.	14.4080	35.0116	5.9292
90-94	0	Aliased					
95+	0	Aliased					
Mid Age Parameter		-0.3320	0.1040	-	6.4075	17.4503	2.3527
		Deviance	(DF)	Drop Dev	P		
Model 3		3.6070	(7)	9.7393	**		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.1822	0.1108	N.S.	1.1998	0.9655	1.4909
Est 5-Yr Age Group							
60-64	5	Aliased					
30-34	2	3.0894	0.1982	+++	26.3521	19.0965	36.3645
35-39	0	Aliased					
40-44	2	0.5321	0.1748	+	2.0426	1.5674	2.6620
45-49	1	1.4490	0.4313	+	5.1100	2.2575	11.5668
50-54	0	Aliased					
55-59	1	-0.0607	0.0551	N.S.	1.1291	1.3633	0.9352
65-69	0	Aliased					
70-74	3	0.1068	0.1549	N.S.	1.3351	1.0799	1.6506
75-79	0	Aliased					
80-84	1	-0.2086	0.1971	N.S.	0.9739	0.7076	1.3404
85-89	1	0.1614	0.1906	N.S.	1.4100	1.0405	1.9108
90-94	0	Aliased					
95+	0	Aliased					

Table 11
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Examining the effect of individual factors after inclusion of estimated age group

Log Relative risk
WEIGHTED on Weight

		Estimate	S.E.	P	RR	95%CIl	95%CIu
Prospective							
CaseCont	10	Aliased					
Prosp	6	0.3485	0.1117	+	1.7001	1.6550	1.7465
		Deviance	(DF)	Drop Dev	P		
Model 3		3.6070	(7)	9.7393	**		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.1822	0.1108	N.S.	1.1998	0.9655	1.4909
Est 5-Yr Age Group							
60-64	5	Aliased					
30-34	2	2.7408	0.1651	+++	18.5971	14.6304	23.6395
35-39	0	Aliased					
40-44	2	0.5321	0.1748	+	2.0426	1.5674	2.6620
45-49	1	1.1005	0.4171	+	3.6062	1.6396	7.9315
50-54	0	Aliased					
55-59	1	-0.0607	0.0551	N.S.	1.1291	1.3633	0.9352
65-69	0	Aliased					
70-74	3	0.1068	0.1549	N.S.	1.3351	1.0799	1.6506
75-79	0	Aliased					
80-84	1	-0.2086	0.1971	N.S.	0.9739	0.7076	1.3404
85-89	1	0.1614	0.1906	N.S.	1.4100	1.0405	1.9108
90-94	0	Aliased					
95+	0	Aliased					
Flue Cured v Blended							
Flue cured	7	Aliased					
Blended	9	0.3485	0.1117	+	1.7001	1.6550	1.7465
		Deviance	(DF)				
Current Smoker							
Model 1		2059.2916	(136)				
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.6220	0.0074	+++	1.8627	1.8358	1.8899
		Deviance	(DF)	Drop Dev	P		
Model 2		935.1304	(123)	1124.1611	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.7057	0.0287	+++	2.0253	1.9146	2.1423
Est 5-Yr Age Group							
60-64	6	Aliased					
30-34	3	1.4613	0.1355	+++	8.7326	6.7366	11.3199
35-39	6	0.4888	0.0811	+++	3.3020	2.8461	3.8310
40-44	10	0.4501	0.0434	+++	3.1766	2.9801	3.3860
45-49	14	-0.0631	0.0422	N.S.	1.9014	1.7893	2.0205
50-54	21	0.1818	0.0336	+++	2.4292	2.3472	2.5140
55-59	14	-0.0587	0.0353	(-)	1.9098	1.8341	1.9887
65-69	16	-0.2065	0.0332	---	1.6475	1.5942	1.7025
70-74	12	-0.2044	0.0352	---	1.6509	1.5863	1.7182
75-79	14	-0.3402	0.0385	---	1.4412	1.3703	1.5158
80-84	6	-0.4378	0.0555	---	1.3073	1.1911	1.4347
85-89	5	-0.4137	0.0447	---	1.3391	1.2519	1.4324
90-94	6	-0.4896	0.0654	---	1.2412	1.1061	1.3929
95+	4	-0.6396	0.0940	---	1.0684	0.8965	1.2732
		Deviance	(DF)	Drop Dev	P		
Model 3		865.9377	(121)	69.1928	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.8010	0.1024	+++	2.2777	1.8225	2.7228

Table 11
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Examining the effect of individual factors after inclusion of estimated age group

Log Relative risk
WEIGHTED on Weight

		Estimate	S.E.	P	RR	95%CIl	95%CIu
Est 5-Yr Age Group							
60-64	6	Aliased					
30-34	3	1.3620	0.1360	+++	8.6971	7.2977	10.3649
35-39	6	0.4875	0.0811	+++	3.6272	4.1006	3.2084
40-44	10	0.4505	0.0434	+++	3.4955	4.1924	2.9144
45-49	14	-0.0402	0.0424	N.S.	2.1398	2.5688	1.7825
50-54	21	0.1802	0.0336	+++	2.6676	3.2244	2.2069
55-59	14	-0.0341	0.0355	N.S.	2.1529	2.5989	1.7835
65-69	16	-0.1960	0.0332	---	1.8313	2.2141	1.5146
70-74	12	-0.2042	0.0352	---	1.8161	2.1929	1.5041
75-79	14	-0.3497	0.0386	---	1.5702	1.8911	1.3038
80-84	6	-0.4571	0.0555	---	1.4104	1.6696	1.1915
85-89	5	-0.3835	0.0449	---	1.5181	1.8183	1.2675
90-94	6	-0.5184	0.0655	---	1.3265	1.5477	1.1368
95+	4	-0.6651	0.0940	---	1.1455	1.2404	1.0579
: Sex (RR)							
combined	4	Aliased					
male	80	-0.1389	0.0984	N.S.	1.9387	2.0499	1.8336
female	53	0.0042	0.0992	N.S.	2.2371	2.3510	2.1288

	Deviance	(DF)	Drop Dev	P
Model 3	921.1276	(121)	14.0028	***

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.7089	0.0287	+++	2.0317	1.9205	2.1494
Est 5-Yr Age Group						
60-64	6	Aliased				
30-34	3	1.4714	0.1368	+++	8.8487	6.8082	11.5008
35-39	6	0.3785	0.0884	+++	2.9664	2.5181	3.4945
40-44	10	0.3713	0.0509	+++	2.9451	2.7125	3.1977
45-49	14	-0.0412	0.0454	N.S.	1.9498	1.8202	2.0887
50-54	21	0.1996	0.0350	+++	2.4807	2.3855	2.5797
55-59	14	-0.0569	0.0353	N.S.	1.9193	1.8433	1.9984
65-69	16	-0.2238	0.0336	---	1.6243	1.5698	1.6806
70-74	12	-0.2017	0.0352	---	1.6607	1.5957	1.7283
75-79	14	-0.3426	0.0386	---	1.4424	1.3715	1.5170
80-84	6	-0.4403	0.0555	---	1.3081	1.1919	1.4356
85-89	5	-0.4094	0.0448	---	1.3492	1.2612	1.4432
90-94	6	-0.4928	0.0655	---	1.2412	1.1061	1.3929
95+	4	-0.6109	0.0953	---	1.1029	0.9231	1.3178
: CHD type							
Fatal	92	Aliased					
Nonfatal	12	0.1164	0.0385	++	2.2825	2.1708	2.4000
Both	33	-0.0416	0.0227	(-)	1.9489	2.0171	1.8830

	Deviance	(DF)	Drop Dev	P
Model 3	710.5230	(117)	224.6075	***

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.8590	0.0555	+++	2.3609	2.1176	2.6321
Est 5-Yr Age Group						
60-64	6	Aliased				
30-34	3	1.3476	0.1373	+++	9.0851	7.1027	11.6208
35-39	6	0.4746	0.0811	+++	3.7947	3.3794	4.2610
40-44	10	0.3714	0.0460	+++	3.4227	3.6377	3.2203
45-49	14	-0.0776	0.0423	(-)	2.1847	2.3440	2.0362
50-54	21	0.0523	0.0371	N.S.	2.4876	2.6973	2.2942
55-59	14	-0.0750	0.0355	-	2.1903	2.3813	2.0146
65-69	16	-0.2294	0.0334	---	1.8768	2.0471	1.7207
70-74	12	-0.2560	0.0371	---	1.8276	1.9816	1.6856
75-79	14	-0.3757	0.0390	---	1.6215	1.7521	1.5007
80-84	6	-0.4481	0.0555	---	1.5082	1.5098	1.5066
85-89	5	-0.5183	0.0495	---	1.4060	1.4765	1.3388
90-94	6	-0.5039	0.0655	---	1.4264	1.3324	1.5270
95+	4	-0.6538	0.0940	---	1.2278	1.0581	1.4247

Table 11
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Examining the effect of individual factors after inclusion of estimated age group

Log Relative risk
WEIGHTED on Weight

		Estimate	S.E.	P	RR	95%CIl	95%CIu
Country							
Denmark	3	Aliased					
Netherlands	4	-0.1781	0.1199	N.S.	1.9757	1.6042	2.4334
Germany	3	0.1545	0.1275	N.S.	2.7552	2.2001	3.4504
Austria	0	Aliased					
USA	95	-0.1391	0.0475	--	2.0544	2.1731	1.9421
UK	16	-0.0243	0.0536	N.S.	2.3043	2.3692	2.2411
Canada	12	-0.4082	0.0606	---	1.5695	1.4964	1.6463
Australia	4	0.2219	0.0593	+++	2.9474	2.8296	3.0700
		Deviance	(DF)	Drop Dev	P		
Model 3		603.3569	(119)	331.7736	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.4746	0.0350	+++	1.6074	1.5007	1.7217
Est 5-Yr Age Group							
60-64	6	Aliased					
30-34	3	1.4203	0.1393	+++	6.6523	5.1077	8.6640
35-39	6	0.3849	0.0819	+++	2.3620	2.0430	2.7309
40-44	10	0.4131	0.0485	+++	2.4295	2.2752	2.5943
45-49	14	0.0112	0.0426	N.S.	1.6256	1.5503	1.7045
50-54	21	0.1417	0.0348	+++	1.8522	1.8669	1.8376
55-59	14	0.0703	0.0369	(+)	1.7245	1.6858	1.7642
65-69	16	-0.1238	0.0345	---	1.4203	1.4378	1.4030
70-74	12	-0.2032	0.0363	---	1.3119	1.2879	1.3363
75-79	14	-0.3681	0.0391	---	1.1124	1.0751	1.1510
80-84	6	-0.4800	0.0555	---	0.9946	0.9142	1.0822
85-89	5	-0.1967	0.0488	---	1.3204	1.2354	1.4112
90-94	6	-0.5923	0.0658	---	0.8890	0.7971	0.9915
95+	4	-0.5076	0.0953	---	0.9676	0.8134	1.1510
Grouped Mid-Year Study or Final Follow-up							
Pre 1960	22	Aliased					
60-69	37	0.1420	0.0234	+++	1.8527	1.9499	1.7604
70-79	23	0.2235	0.0300	+++	2.0101	2.0825	1.9402
80-89	46	0.4212	0.0246	+++	2.4494	2.5720	2.3326
1990+	9	0.2801	0.0404	+++	2.1270	2.0449	2.2125
		Deviance	(DF)	Drop Dev	P		
Model 3		931.8743	(122)	3.2561	(*)		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.8512	0.0856	+++	2.3426	1.9808	2.7704
Est 5-Yr Age Group							
60-64	6	Aliased					
30-34	3	1.3895	0.1412	+++	9.4005	7.5433	11.7149
35-39	6	0.4170	0.0903	+++	3.5546	3.3597	3.7608
40-44	10	0.4028	0.0507	+++	3.5046	4.0118	3.0615
45-49	14	-0.1106	0.0497	-	2.0973	2.4041	1.8297
50-54	21	0.1556	0.0366	+++	2.7368	3.1849	2.3518
55-59	14	-0.0832	0.0379	-	2.1555	2.5055	1.8544
65-69	16	-0.2069	0.0332	---	1.9048	2.2233	1.6319
70-74	12	-0.2024	0.0352	---	1.9133	2.2294	1.6420
75-79	14	-0.3276	0.0392	---	1.6881	1.9597	1.4542
80-84	6	-0.3918	0.0610	---	1.5832	1.7808	1.4075
85-89	5	-0.4533	0.0498	---	1.4888	1.7064	1.2990
90-94	6	-0.4214	0.0756	---	1.5371	1.6630	1.4207
95+	4	-0.6073	0.0957	---	1.2762	1.1738	1.3876
Mid Age Parameter		-0.0246	0.0136	(-)	2.2857	2.6974	1.9368
		Deviance	(DF)	Drop Dev	P		
Model 3		934.9426	(122)	0.1879	N.S.		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.7205	0.0445	+++	2.0554	1.8837	2.2428

Table 11
IESHD - Meta-analysis of Smoking and CHD
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Log Relative risk
WEIGHTED on Weight

		Estimate	S.E.	P	RR	95%CIl	95%CIu
Est 5-Yr Age Group							
60-64	6	Aliased					
30-34	3	1.4466	0.1397	+++	8.7326	6.7366	11.3199
35-39	6	0.4752	0.0869	+++	3.3059	2.8560	3.8267
40-44	10	0.4399	0.0493	+++	3.1913	3.0614	3.3266
45-49	14	-0.0641	0.0423	N.S.	1.9278	1.9812	1.8759
50-54	21	0.1811	0.0336	+++	2.4634	2.6083	2.3265
55-59	14	-0.0589	0.0353	(-)	1.9379	2.0436	1.8377
65-69	16	-0.2084	0.0335	---	1.6688	1.7675	1.5755
70-74	12	-0.2044	0.0352	---	1.6755	1.7675	1.5882
75-79	14	-0.3402	0.0385	---	1.4627	1.5280	1.4001
80-84	6	-0.4378	0.0555	---	1.3267	1.2435	1.4155
85-89	5	-0.4137	0.0447	---	1.3590	1.3473	1.3708
90-94	6	-0.4896	0.0654	---	1.2597	1.1467	1.3838
95+	4	-0.6396	0.0940	---	1.0843	0.9219	1.2752
Prospective							
CaseCont	18	Aliased					
Prosp	119	-0.0148	0.0341	N.S.	2.0253	2.1423	1.9146
		Deviance	(DF)	Drop Dev	P		
Model 3		911.4278	(122)	23.7026	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.7957	0.0341	+++	2.2160	2.0727	2.3692
Est 5-Yr Age Group							
60-64	6	Aliased					
30-34	3	1.3889	0.1363	+++	8.8868	6.8617	11.5096
35-39	6	0.4963	0.0811	+++	3.6399	3.1513	4.2043
40-44	10	0.4028	0.0445	+++	3.3152	3.1349	3.5059
45-49	14	-0.0681	0.0422	N.S.	2.0702	1.9716	2.1738
50-54	21	0.1381	0.0348	+++	2.5442	2.5108	2.5781
55-59	14	-0.0590	0.0353	(-)	2.0890	2.0516	2.1271
65-69	16	-0.2146	0.0332	---	1.7880	1.8149	1.7615
70-74	12	-0.2048	0.0352	---	1.8056	1.7755	1.8362
75-79	14	-0.3551	0.0387	---	1.5537	1.4993	1.6101
80-84	6	-0.4317	0.0555	---	1.4390	1.3208	1.5678
85-89	5	-0.4829	0.0469	---	1.3672	1.2835	1.4564
90-94	6	-0.4822	0.0654	---	1.3682	1.2263	1.5265
95+	4	-0.6321	0.0940	---	1.1777	0.9920	1.3983
Flue Cured v Blended							
Flue cured	32	Aliased					
Blended	105	-0.0974	0.0200	---	2.0103	2.1221	1.9044
		Deviance	(DF)				
Ex Smoker							
Model 1		323.5283	(50)				
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.2043	0.0092	+++	1.2267	1.2048	1.2489
		Deviance	(DF)	Drop Dev	P		
Model 2		126.2232	(38)	197.3052	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.4235	0.0281	+++	1.5272	1.4454	1.6138

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Log Relative risk
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		Estimate	S.E.	P	RR	95%CIl	95%CIu
Est 5-Yr Age Group							
60-64	4	Aliased					
30-34	0	Aliased					
35-39	2	-0.2699	0.0976	--	1.1660	0.9707	1.4004
40-44	3	0.0381	0.0536	N.S.	1.5865	1.4508	1.7349
45-49	3	0.1309	0.1219	N.S.	1.7408	1.3796	2.1966
50-54	5	-0.2316	0.0443	---	1.2115	1.1328	1.2957
55-59	5	0.0537	0.0728	N.S.	1.6115	1.4126	1.8383
65-69	8	-0.5390	0.0483	---	0.8909	0.8248	0.9623
70-74	4	-0.2740	0.0444	---	1.1612	1.0854	1.2423
75-79	8	-0.2189	0.0613	---	1.2270	1.1027	1.3652
80-84	1	-0.5777	0.2595	-	0.8571	0.5170	1.4210
85-89	4	-0.2515	0.0306	---	1.1876	1.1596	1.2163
90-94	2	-0.2320	0.0700	--	1.2110	1.0680	1.3732
95+	2	-0.0668	0.1298	N.S.	1.4285	1.1144	1.8311
		Deviance	(DF)	Drop Dev	P		
Model 3		116.4024	(36)	9.8207	**		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.5367	0.2711	(+)	1.7104	1.0053	2.9100
Est 5-Yr Age Group							
60-64	4	Aliased					
30-34	0	Aliased					
35-39	2	-0.2899	0.0978	--	1.2800	2.1010	0.7798
40-44	3	0.0061	0.0546	N.S.	1.7209	2.8961	1.0225
45-49	3	0.0455	0.1433	N.S.	1.7900	2.8103	1.1401
50-54	5	-0.2689	0.0459	---	1.3072	2.2069	0.7742
55-59	5	0.0274	0.0733	N.S.	1.7579	2.9322	1.0539
65-69	8	-0.5843	0.0505	---	0.9535	1.6073	0.5657
70-74	4	-0.2941	0.0449	---	1.2746	2.1526	0.7547
75-79	8	-0.2530	0.0623	---	1.3281	2.2276	0.7918
80-84	1	-0.6880	0.2619	-	0.8596	0.9866	0.7490
85-89	4	-0.2514	0.0306	---	1.3302	2.2555	0.7845
90-94	2	-0.2801	0.0717	---	1.2926	2.1579	0.7742
95+	2	-0.1103	0.1305	N.S.	1.5319	2.4407	0.9614
: Sex (RR)							
combined	1	Aliased					
male	30	-0.1135	0.2697	N.S.	1.5268	1.6131	1.4452
female	20	-0.0029	0.2688	N.S.	1.7054	1.8274	1.5915
		Deviance	(DF)	Drop Dev	P		
Model 3		117.7623	(36)	8.4608	*		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.4273	0.0282	+++	1.5330	1.4507	1.6200
Est 5-Yr Age Group							
60-64	4	Aliased					
30-34	0	Aliased					
35-39	2	-0.0510	0.1471	N.S.	1.4568	1.0978	1.9333
40-44	3	0.2570	0.1224	+	1.9823	1.5696	2.5036
45-49	3	0.3602	0.1458	+	2.1977	1.6603	2.9092
50-54	5	-0.0021	0.1041	N.S.	1.5298	1.2571	1.8617
55-59	5	0.0820	0.0737	N.S.	1.6641	1.4560	1.9019
65-69	8	-0.3465	0.1084	--	1.0842	0.8831	1.3310
70-74	4	-0.2778	0.0445	---	1.1612	1.0854	1.2423
75-79	8	-0.2176	0.0613	--	1.2333	1.1085	1.3722
80-84	1	-0.5815	0.2595	-	0.8571	0.5170	1.4210
85-89	4	-0.2553	0.0307	---	1.1876	1.1596	1.2163
90-94	2	-0.2358	0.0700	--	1.2110	1.0680	1.3732
95+	2	-0.0706	0.1298	N.S.	1.4285	1.1144	1.8311
: CHD type							
Fatal	36	Aliased					
Nonfatal	8	-0.2227	0.1103	(-)	1.2270	0.9955	1.5123
Both	7	-0.2435	0.0999	-	1.2017	0.9958	1.4501

Table 11
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Examining the effect of individual factors after inclusion of estimated age group

Log Relative risk
WEIGHTED on Weight

	Deviance	(DF)	Drop Dev	P		
Model 3	96.4303	(33)	29.7929	***		
	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.7810	0.0752	+++	2.1837	1.8843	2.5307
Est 5-Yr Age Group						
60-64	4 Aliased					
30-34	0 Aliased					
35-39	2 -0.2694	0.0976	--	1.6680	1.4765	1.8843
40-44	3 0.0086	0.0611	N.S.	2.2025	2.4006	2.0208
45-49	3 0.2506	0.1401	(+)	2.8056	2.2253	3.5372
50-54	5 -0.0024	0.1399	N.S.	2.1786	1.7288	2.7453
55-59	5 0.0303	0.0924	N.S.	2.2509	2.0261	2.5005
65-69	8 -0.5694	0.0576	---	1.2357	1.3586	1.1240
70-74	4 -0.4701	0.0587	---	1.3647	1.4966	1.2444
75-79	8 -0.2308	0.0639	--	1.7336	1.8737	1.6039
80-84	1 -0.5772	0.2595	-	1.2262	0.7536	1.9949
85-89	4 -0.2543	0.0308	---	1.6933	1.9373	1.4801
90-94	2 -0.2315	0.0700	--	1.7325	1.8288	1.6413
95+	2 -0.0663	0.1298	N.S.	2.0437	1.6612	2.5142
Country						
Denmark	2 Aliased					
Netherlands	1 -0.5602	0.3896	N.S.	1.2471	0.5895	2.6381
Germany	0 Aliased					
Austria	0 Aliased					
USA	26 -0.3581	0.0699	---	1.5264	1.6123	1.4452
UK	14 -0.3242	0.0727	---	1.5791	1.6402	1.5203
Canada	4 -0.3485	0.1344	-	1.5412	1.2391	1.9169
Australia	4 -0.5972	0.1548	---	1.2018	0.9218	1.5669

	Deviance	(DF)	Drop Dev	P		
Model 3	101.4741	(34)	24.7491	***		
	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.4258	0.0282	+++	1.5308	1.4485	1.6177
Est 5-Yr Age Group						
60-64	4 Aliased					
30-34	0 Aliased					
35-39	2 -0.2418	0.1365	(-)	1.2020	0.9251	1.5618
40-44	3 0.1397	0.1228	N.S.	1.7603	1.3926	2.2252
45-49	3 0.2235	0.1605	N.S.	1.9142	1.4045	2.6090
50-54	5 -0.1836	0.1062	(-)	1.2740	1.0425	1.5570
55-59	5 0.0651	0.0929	N.S.	1.6337	1.3735	1.9433
65-69	8 -0.4336	0.1210	--	0.9922	0.7879	1.2494
70-74	4 -0.1968	0.1198	N.S.	1.2574	1.0007	1.5799
75-79	8 -0.2278	0.1132	(-)	1.2189	0.9833	1.5111
80-84	1 -0.3341	0.2867	N.S.	1.0960	0.6265	1.9173
85-89	4 -0.2536	0.0307	---	1.1879	1.1600	1.2165
90-94	2 -0.1825	0.1196	N.S.	1.2755	1.0157	1.6016
95+	2 -0.0173	0.1620	N.S.	1.5045	1.1006	2.0567
Grouped Mid-Year Study or Final Follow-up						
Pre 1960	6 Aliased					
60-69	7 -0.2459	0.1235	(-)	1.1971	0.9458	1.5151
70-79	10 0.0650	0.1116	N.S.	1.6336	1.3219	2.0188
80-89	21 -0.0518	0.0984	N.S.	1.4535	1.2083	1.7484
1990+	7 -0.1106	0.1180	N.S.	1.3705	1.0949	1.7154

	Deviance	(DF)	Drop Dev	P		
Model 3	124.4796	(37)	1.7435	N.S.		
	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.5659	0.1115	+++	1.7610	1.4154	2.1911

Table 11
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Examining the effect of individual factors after inclusion of estimated age group

Log Relative risk
WEIGHTED on Weight

		Estimate	S.E.	P	RR	95%CIl	95%CIu
Est 5-Yr Age Group							
60-64	4	Aliased					
30-34	0	Aliased					
35-39	2	-0.3390	0.1108	--	1.2547	1.2857	1.2243
40-44	3	-0.0066	0.0634	N.S.	1.7495	2.0940	1.4617
45-49	3	0.0862	0.1265	N.S.	1.9196	1.7069	2.1587
50-54	5	-0.2529	0.0472	---	1.3676	1.6670	1.1220
55-59	5	0.0090	0.0803	N.S.	1.7770	2.0677	1.5271
65-69	8	-0.5373	0.0484	---	1.0291	1.2530	0.8452
70-74	4	-0.2942	0.0470	---	1.3122	1.5996	1.0763
75-79	8	-0.2267	0.0616	---	1.4038	1.6842	1.1701
80-84	1	-0.5735	0.2595	-	0.9925	0.6270	1.5710
85-89	4	-0.2519	0.0306	---	1.3688	1.6888	1.1095
90-94	2	-0.1789	0.0807	-	1.4726	1.7120	1.2666
95+	2	-0.0137	0.1359	N.S.	1.7370	1.4918	2.0225
Mid Age		-0.0244	0.0185	N.S.	1.7185	2.1317	1.3854

Parameter	Deviance	(DF)	Drop Dev	P
Model 3	123.7037	(37)	2.5195	N.S.

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.2515	0.1119	+	1.2860	1.0327	1.6014
Est 5-Yr Age Group						
60-64	4	Aliased				
30-34	0	Aliased				
35-39	2	-0.0980	0.1458	N.S.	1.1660	0.9707	1.4004
40-44	3	0.2101	0.1209	(+)	1.5865	1.4508	1.7349
45-49	3	0.2171	0.1335	N.S.	1.5978	1.3854	1.8427
50-54	5	-0.2316	0.0443	---	1.0201	1.2477	0.8340
55-59	5	0.0537	0.0728	N.S.	1.3569	1.6028	1.1487
65-69	8	-0.3874	0.1071	---	0.8729	0.9306	0.8188
70-74	4	-0.2740	0.0444	---	0.9778	1.1958	0.7995
75-79	8	-0.2189	0.0613	--	1.0331	1.2413	0.8599
80-84	1	-0.5777	0.2595	-	0.7217	0.4561	1.1418
85-89	4	-0.2515	0.0306	---	1.0000	1.2349	0.8098
90-94	2	-0.2320	0.0700	--	1.0197	1.2101	0.8593
95+	2	-0.0668	0.1298	N.S.	1.2028	1.0576	1.3680
Prospective							
CaseCont	8	Aliased					
Prosp	43	0.1720	0.1083	N.S.	1.5272	1.6138	1.4454

	Deviance	(DF)	Drop Dev	P
Model 3	126.2091	(37)	0.0140	N.S.

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.4197	0.0426	+++	1.5215	1.3995	1.6540
Est 5-Yr Age Group						
60-64	4	Aliased				
30-34	0	Aliased				
35-39	2	-0.2700	0.0976	--	1.1615	0.9778	1.3796
40-44	3	0.0414	0.0606	N.S.	1.5858	1.4574	1.7256
45-49	3	0.1327	0.1230	N.S.	1.7374	1.3859	2.1781
50-54	5	-0.2279	0.0541	---	1.2114	1.1348	1.2930
55-59	5	0.0575	0.0796	N.S.	1.6115	1.4126	1.8383
65-69	8	-0.5354	0.0569	---	0.8907	0.8272	0.9591
70-74	4	-0.2735	0.0447	---	1.1574	1.1276	1.1880
75-79	8	-0.2171	0.0632	--	1.2246	1.1175	1.3419
80-84	1	-0.5777	0.2595	-	0.8538	0.5170	1.4100
85-89	4	-0.2512	0.0308	---	1.1835	1.2540	1.1170
90-94	2	-0.2321	0.0700	--	1.2064	1.0820	1.3451
95+	2	-0.0669	0.1298	N.S.	1.4230	1.1191	1.8094
Flue Cured v Blended							
Flue cured	22	Aliased					
Blended	29	0.0039	0.0326	N.S.	1.5273	1.6120	1.4471

Table 12
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Top down analysis after inclusion of estimated age group

Log Relative risk
WEIGHTED on Weight

		Deviance	(DF)				
Ever Smoker							
Model 1		304.5169	(15)				
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.5428	0.0152	+++	1.7209	1.6705	1.7728
		Deviance	(DF)	Drop Dev	P		
Model 2		13.3464	(8)	291.1706	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.5243	0.0163	+++	1.6893	1.6362	1.7441
Est 5-Yr Age Group							
60-64	5	Aliased					
30-34	2	2.7472	0.1651	+++	26.3521	19.0965	36.3645
35-39	0	Aliased					
40-44	2	0.1899	0.1361	N.S.	2.0426	1.5674	2.6620
45-49	1	1.1069	0.4171	+	5.1100	2.2575	11.5668
50-54	0	Aliased					
55-59	1	-0.0543	0.0551	N.S.	1.6000	1.4432	1.7739
65-69	0	Aliased					
70-74	3	-0.1071	0.1389	N.S.	1.5177	1.1581	1.9890
75-79	0	Aliased					
80-84	1	-0.2022	0.1971	N.S.	1.3800	0.9391	2.0280
85-89	1	-0.1807	0.1559	N.S.	1.4100	1.0405	1.9108
90-94	0	Aliased					
95+	0	Aliased					
		Deviance	(DF)	Drop Dev	P		
Model 3		3.3256	(7)	10.0207	**		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.5314	0.0164	+++	1.7012	1.6473	1.7569
Est 5-Yr Age Group							
60-64	5	Aliased					
30-34	2	Aliased					
35-39	0	Aliased					
40-44	2	0.5669	0.1808	+	2.9989	2.1070	4.2684
45-49	1	-1.6403	0.4480	--	0.3299	0.1372	0.7934
50-54	0	Aliased					
55-59	1	-0.0614	0.0551	N.S.	1.6000	1.4432	1.7739
65-69	0	Aliased					
70-74	3	-0.1141	0.1389	N.S.	1.5177	1.1581	1.9890
75-79	0	Aliased					
80-84	1	-0.2093	0.1971	N.S.	1.3800	0.9391	2.0280
85-89	1	-2.9280	0.2259	---	0.0910	0.0585	0.1416
90-94	0	Aliased					
95+	0	Aliased					
: CHD type							
Fatal	8	Aliased					
Nonfatal	4	-0.3840	0.1213	-	1.1588	0.9156	1.4666
Both	4	2.7402	0.1651	+++	26.3521	19.0965	36.3645
		Deviance	(DF)				
Current Smoker							
Model 1		2059.2916	(136)				
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.6220	0.0074	+++	1.8627	1.8358	1.8899
		Deviance	(DF)	Drop Dev	P		
Model 2		935.1304	(123)	1124.1611	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.7057	0.0287	+++	2.0253	1.9146	2.1423

Table 12
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Top down analysis after inclusion of estimated age group

Log Relative risk
WEIGHTED on Weight

		Estimate	S.E.	P	RR	95%CIl	95%CIu
Est 5-Yr Age Group							
60-64	6	Aliased					
30-34	3	1.4613	0.1355	+++	8.7326	6.7366	11.3199
35-39	6	0.4888	0.0811	+++	3.3020	2.8461	3.8310
40-44	10	0.4501	0.0434	+++	3.1766	2.9801	3.3860
45-49	14	-0.0631	0.0422	N.S.	1.9014	1.7893	2.0205
50-54	21	0.1818	0.0336	+++	2.4292	2.3472	2.5140
55-59	14	-0.0587	0.0353	(-)	1.9098	1.8341	1.9887
65-69	16	-0.2065	0.0332	---	1.6475	1.5942	1.7025
70-74	12	-0.2044	0.0352	---	1.6509	1.5863	1.7182
75-79	14	-0.3402	0.0385	---	1.4412	1.3703	1.5158
80-84	6	-0.4378	0.0555	---	1.3073	1.1911	1.4347
85-89	5	-0.4137	0.0447	---	1.3391	1.2519	1.4324
90-94	6	-0.4896	0.0654	---	1.2412	1.1061	1.3929
95+	4	-0.6396	0.0940	---	1.0684	0.8965	1.2732
		Deviance	(DF)	Drop Dev	P		
Model 3		710.5230	(117)	224.6075	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.8590	0.0555	+++	2.3609	2.1176	2.6321
Est 5-Yr Age Group							
60-64	6	Aliased					
30-34	3	1.3476	0.1373	+++	9.0851	7.1027	11.6208
35-39	6	0.4746	0.0811	+++	3.7947	3.3794	4.2610
40-44	10	0.3714	0.0460	+++	3.4227	3.6377	3.2203
45-49	14	-0.0776	0.0423	(-)	2.1847	2.3440	2.0362
50-54	21	0.0523	0.0371	N.S.	2.4876	2.6973	2.2942
55-59	14	-0.0750	0.0355	-	2.1903	2.3813	2.0146
65-69	16	-0.2294	0.0334	---	1.8768	2.0471	1.7207
70-74	12	-0.2560	0.0371	---	1.8276	1.9816	1.6856
75-79	14	-0.3757	0.0390	---	1.6215	1.7521	1.5007
80-84	6	-0.4481	0.0555	---	1.5082	1.5098	1.5066
85-89	5	-0.5183	0.0495	---	1.4060	1.4765	1.3388
90-94	6	-0.5039	0.0655	---	1.4264	1.3324	1.5270
95+	4	-0.6538	0.0940	---	1.2278	1.0581	1.4247
Country							
Denmark	3	Aliased					
Netherlands	4	-0.1781	0.1199	N.S.	1.9757	1.6042	2.4334
Germany	3	0.1545	0.1275	N.S.	2.7552	2.2001	3.4504
Austria	0	Aliased					
USA	95	-0.1391	0.0475	--	2.0544	2.1731	1.9421
UK	16	-0.0243	0.0536	N.S.	2.3043	2.3692	2.2411
Canada	12	-0.4082	0.0606	---	1.5695	1.4964	1.6463
Australia	4	0.2219	0.0593	+++	2.9474	2.8296	3.0700
		Deviance	(DF)	Drop Dev	P		
Model 4		539.1064	(113)	171.4165	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.7125	0.0651	+++	2.0390	1.7947	2.3166
Est 5-Yr Age Group							
60-64	6	Aliased					
30-34	3	1.4056	0.1393	+++	8.3151	6.5315	10.5857
35-39	6	0.3996	0.0821	+++	3.0407	2.7573	3.3533
40-44	10	0.4056	0.0487	+++	3.0591	3.3298	2.8104
45-49	14	0.0052	0.0430	N.S.	2.0496	2.2557	1.8623
50-54	21	0.0964	0.0396	+	2.2455	2.4848	2.0292
55-59	14	0.0327	0.0378	N.S.	2.1069	2.3378	1.8988
65-69	16	-0.1493	0.0349	---	1.7562	1.9559	1.5769
70-74	12	-0.2526	0.0374	---	1.5839	1.7583	1.4268
75-79	14	-0.4008	0.0400	---	1.3657	1.5105	1.2348
80-84	6	-0.4797	0.0555	---	1.2621	1.3491	1.1808
85-89	5	-0.3822	0.0596	---	1.3913	1.4649	1.3213
90-94	6	-0.5859	0.0659	---	1.1349	1.1126	1.1577
95+	4	-0.5481	0.0958	---	1.1787	1.0270	1.3527

Table 12
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Top down analysis after inclusion of estimated age group

Log Relative risk
WEIGHTED on Weight

		Estimate	S.E.	P	RR	95%CIl	95%CIu
Country							
Denmark	3	Aliased					
Netherlands	4	-0.2294	0.1205	(-)	1.6211	1.3289	1.9774
Germany	3	-0.1458	0.1319	N.S.	1.7623	1.4075	2.2066
Austria	0	Aliased					
USA	95	-0.1795	0.0538	--	1.7041	1.8312	1.5858
UK	16	-0.0146	0.0603	N.S.	2.0094	2.1082	1.9152
Canada	12	-0.3213	0.0703	---	1.4787	1.4040	1.5573
Australia	4	-0.0161	0.0729	N.S.	2.0065	1.8817	2.1396
Grouped Mid-Year Study or Final Follow-up							
Pre 1960	22	Aliased					
60-69	37	0.1020	0.0259	+++	2.2581	2.5387	2.0085
70-79	23	0.1432	0.0360	+++	2.3529	2.6170	2.1155
80-89	46	0.3451	0.0284	+++	2.8793	3.2298	2.5669
1990+	9	0.0770	0.0558	N.S.	2.2022	2.3522	2.0619
		Deviance	(DF)	Drop Dev	P		
Model 5		487.1770	(111)	51.9294	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.6467	0.0658	+++	1.9093	1.6783	2.1720
Est 5-Yr Age Group							
60-64	6	Aliased					
30-34	3	1.5583	0.1455	+++	9.0704	7.0331	11.6978
35-39	6	0.4412	0.1051	+++	2.9683	2.5280	3.4852
40-44	10	0.4388	0.0518	+++	2.9611	3.2058	2.7351
45-49	14	0.1363	0.0468	++	2.1881	2.3955	1.9986
50-54	21	0.0889	0.0397	+	2.0868	2.3127	1.8830
55-59	14	0.0446	0.0378	N.S.	1.9964	2.2185	1.7966
65-69	16	-0.1508	0.0351	---	1.6420	1.8312	1.4724
70-74	12	-0.2260	0.0376	---	1.5231	1.6930	1.3702
75-79	14	-0.4041	0.0400	---	1.2746	1.4121	1.1505
80-84	6	-0.4856	0.0556	---	1.1748	1.2588	1.0965
85-89	5	-0.3215	0.0602	---	1.3844	1.4584	1.3140
90-94	6	-0.5890	0.0659	---	1.0594	1.0511	1.0679
95+	4	-0.3849	0.0985	---	1.2993	1.1256	1.5000
Country							
Denmark	3	Aliased					
Netherlands	4	-0.0768	0.1224	N.S.	1.7682	1.4445	2.1645
Germany	3	0.1173	0.1369	N.S.	2.1468	1.6966	2.7166
Austria	0	Aliased					
USA	95	-0.1129	0.0546	-	1.7054	1.8326	1.5870
UK	16	0.0226	0.0606	N.S.	1.9529	2.0535	1.8572
Canada	12	-0.1494	0.0742	-	1.6444	1.5372	1.7590
Australia	4	0.2679	0.0831	++	2.4959	2.2596	2.7568
Grouped Mid-Year Study or Final Follow-up							
Pre 1960	22	Aliased					
60-69	37	0.1196	0.0260	+++	2.1518	2.4224	1.9115
70-79	23	0.1820	0.0364	+++	2.2904	2.5500	2.0572
80-89	46	0.3405	0.0287	+++	2.6837	3.0139	2.3897
1990+	9	0.1381	0.0806	(+)	2.1921	2.0008	2.4018
: CHD type							
Fatal	92	Aliased					
Nonfatal	12	-0.0563	0.0717	N.S.	1.8048	1.7064	1.9090
Both	33	-0.2130	0.0296	---	1.5430	1.7314	1.3751
		Deviance	(DF)	Drop Dev	P		
Model 6		460.5720	(109)	26.6050	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.7908	0.1319	+++	2.2052	1.7029	2.8558

Table 12
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Top down analysis after inclusion of estimated age group

Log Relative risk
WEIGHTED on Weight

		Estimate	S.E.	P	RR	95%CIl	95%CIu
Est 5-Yr Age Group							
60-64	6	Aliased					
30-34	3	1.4578	0.1468	+++	9.4744	8.3498	10.7505
35-39	6	0.4973	0.1056	+++	3.6261	4.2332	3.1060
40-44	10	0.4580	0.0520	+++	3.4863	4.4214	2.7490
45-49	14	0.1431	0.0469	++	2.5445	3.2399	1.9983
50-54	21	0.0963	0.0398	+	2.4281	3.1068	1.8977
55-59	14	0.0438	0.0379	N.S.	2.3040	2.9513	1.7987
65-69	16	-0.1514	0.0351	---	1.8954	2.4318	1.4774
70-74	12	-0.2287	0.0376	---	1.7545	2.2479	1.3694
75-79	14	-0.4134	0.0400	---	1.4585	1.8660	1.1401
80-84	6	-0.4971	0.0556	---	1.3415	1.6959	1.0612
85-89	5	-0.3377	0.0603	---	1.5733	1.9801	1.2501
90-94	6	-0.6060	0.0660	---	1.2030	1.5048	0.9618
95+	4	-0.4330	0.0989	---	1.4303	1.6971	1.2054
Country							
Denmark	3	Aliased					
Netherlands	4	-0.1475	0.1370	N.S.	1.9029	1.7691	2.0468
Germany	3	0.1273	0.1369	N.S.	2.5045	2.3301	2.6921
Austria	0	Aliased					
USA	95	-0.1121	0.0546	-	1.9713	2.4944	1.5579
UK	16	0.0313	0.0606	N.S.	2.2754	2.8628	1.8086
Canada	12	-0.1953	0.0748	-	1.8140	2.2445	1.4660
Australia	4	0.2403	0.0833	++	2.8042	3.4266	2.2948
Grouped Mid-Year Study or Final Follow-up							
Pre 1960	22	Aliased					
60-69	37	0.0921	0.0265	+++	2.4181	3.1149	1.8771
70-79	23	0.1543	0.0368	+++	2.5732	3.2982	2.0075
80-89	46	0.3097	0.0293	+++	3.0058	3.8675	2.3361
1990+	9	0.1415	0.0806	(+)	2.5405	3.1173	2.0704
: CHD type							
Fatal	92	Aliased					
Nonfatal	12	-0.1178	0.0727	N.S.	1.9603	2.4321	1.5800
Both	33	-0.1990	0.0297	---	1.8074	2.3251	1.4049
: Sex (RR)							
combined	4	Aliased					
male	80	-0.1452	0.1131	N.S.	1.9072	2.1784	1.6698
female	53	-0.0523	0.1138	N.S.	2.0928	2.3847	1.8366

	Deviance	(DF)				
Ex Smoker						
Model 1	323.5283	(50)				
	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.2043	0.0092	+++	1.2267	1.2048	1.2489
	Deviance	(DF)	Drop Dev	P		
Model 2	126.2232	(38)	197.3052	***		
	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.4235	0.0281	+++	1.5272	1.4454	1.6138
Est 5-Yr Age Group						
60-64	4	Aliased				
30-34	0	Aliased				
35-39	2	-0.2699	0.0976	--	1.1660	0.9707	1.4004
40-44	3	0.0381	0.0536	N.S.	1.5865	1.4508	1.7349
45-49	3	0.1309	0.1219	N.S.	1.7408	1.3796	2.1966
50-54	5	-0.2316	0.0443	---	1.2115	1.1328	1.2957
55-59	5	0.0537	0.0728	N.S.	1.6115	1.4126	1.8383
65-69	8	-0.5390	0.0483	---	0.8909	0.8248	0.9623
70-74	4	-0.2740	0.0444	---	1.1612	1.0854	1.2423
75-79	8	-0.2189	0.0613	---	1.2270	1.1027	1.3652
80-84	1	-0.5777	0.2595	-	0.8571	0.5170	1.4210
85-89	4	-0.2515	0.0306	---	1.1876	1.1596	1.2163
90-94	2	-0.2320	0.0700	--	1.2110	1.0680	1.3732
95+	2	-0.0668	0.1298	N.S.	1.4285	1.1144	1.8311

Table 12
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Top down analysis after inclusion of estimated age group

Log Relative risk
WEIGHTED on Weight

		Deviance	(DF)	Drop Dev	P		
Model 3		96.4303	(33)	29.7929	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.7810	0.0752	+++	2.1837	1.8843	2.5307
Est 5-Yr Age Group							
60-64	4	Aliased					
30-34	0	Aliased					
35-39	2	-0.2694	0.0976	--	1.6680	1.4765	1.8843
40-44	3	0.0086	0.0611	N.S.	2.2025	2.4006	2.0208
45-49	3	0.2506	0.1401	(+)	2.8056	2.2253	3.5372
50-54	5	-0.0024	0.1399	N.S.	2.1786	1.7288	2.7453
55-59	5	0.0303	0.0924	N.S.	2.2509	2.0261	2.5005
65-69	8	-0.5694	0.0576	---	1.2357	1.3586	1.1240
70-74	4	-0.4701	0.0587	---	1.3647	1.4966	1.2444
75-79	8	-0.2308	0.0639	--	1.7336	1.8737	1.6039
80-84	1	-0.5772	0.2595	-	1.2262	0.7536	1.9949
85-89	4	-0.2543	0.0308	---	1.6933	1.9373	1.4801
90-94	2	-0.2315	0.0700	--	1.7325	1.8288	1.6413
95+	2	-0.0663	0.1298	N.S.	2.0437	1.6612	2.5142
Country							
Denmark	2	Aliased					
Netherlands	1	-0.5602	0.3896	N.S.	1.2471	0.5895	2.6381
Germany	0	Aliased					
Austria	0	Aliased					
USA	26	-0.3581	0.0699	---	1.5264	1.6123	1.4452
UK	14	-0.3242	0.0727	---	1.5791	1.6402	1.5203
Canada	4	-0.3485	0.1344	-	1.5412	1.2391	1.9169
Australia	4	-0.5972	0.1548	---	1.2018	0.9218	1.5669
		Deviance	(DF)	Drop Dev	P		
Model 4		88.1875	(31)	8.2428	*		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.7890	0.0753	+++	2.2012	1.8991	2.5513
Est 5-Yr Age Group							
60-64	4	Aliased					
30-34	0	Aliased					
35-39	2	0.0282	0.1535	N.S.	2.2641	1.7418	2.9429
40-44	3	0.2929	0.1298	+	2.9501	2.3980	3.6294
45-49	3	0.4482	0.1610	++	3.4459	2.6074	4.5541
50-54	5	0.0903	0.1450	N.S.	2.4092	1.8898	3.0713
55-59	5	0.0899	0.0959	N.S.	2.4082	2.1437	2.7053
65-69	8	-0.3167	0.1169	-	1.6036	1.3460	1.9106
70-74	4	-0.4781	0.0588	---	1.3647	1.4966	1.2444
75-79	8	-0.2368	0.0640	---	1.7370	1.8777	1.6068
80-84	1	-0.5803	0.2595	-	1.2321	0.7573	2.0045
85-89	4	-0.2590	0.0309	---	1.6990	1.9439	1.4850
90-94	2	-0.2346	0.0700	--	1.7409	1.8380	1.6489
95+	2	-0.0694	0.1298	N.S.	2.0535	1.6693	2.5262
Country							
Denmark	2	Aliased					
Netherlands	1	-0.5622	0.3896	N.S.	1.2546	0.5931	2.6539
Germany	0	Aliased					
Austria	0	Aliased					
USA	26	-0.3629	0.0699	---	1.5312	1.6178	1.4493
UK	14	-0.3140	0.0728	---	1.6080	1.6701	1.5482
Canada	4	-0.4584	0.1397	--	1.3918	1.1051	1.7529
Australia	4	-0.4866	0.2121	-	1.3531	0.9173	1.9959
: CHD type							
Fatal	36	Aliased					
Nonfatal	8	-0.3007	0.1186	-	1.6295	1.3618	1.9498
Both	7	-0.2156	0.1423	N.S.	1.7743	1.4003	2.2482

Table 13
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Look for effect over countries or flue cured versus blended cigarettes

Log Relative risk
WEIGHTED on Weight

	Deviance	(DF)					
Ever Smoker							
Model 1	304.5169	(15)					
	Estimate	S.E.		P	RR	95%CIl	95%CIu
Constant	0.5428	0.0152		+++	1.7209	1.6705	1.7728
	Deviance	(DF)	Drop Dev	P			
Model 2	13.3464	(8)	291.1706	***			
	Estimate	S.E.		P	RR	95%CIl	95%CIu
Constant	0.5243	0.0163		+++	1.6893	1.6362	1.7441
Est 5-Yr Age Group							
60-64	5 Aliased						
30-34	2 2.7472	0.1651		+++	26.3521	19.0965	36.3645
35-39	0 Aliased						
40-44	2 0.1899	0.1361		N.S.	2.0426	1.5674	2.6620
45-49	1 1.1069	0.4171		+	5.1100	2.2575	11.5668
50-54	0 Aliased						
55-59	1 -0.0543	0.0551		N.S.	1.6000	1.4432	1.7739
65-69	0 Aliased						
70-74	3 -0.1071	0.1389		N.S.	1.5177	1.1581	1.9890
75-79	0 Aliased						
80-84	1 -0.2022	0.1971		N.S.	1.3800	0.9391	2.0280
85-89	1 -0.1807	0.1559		N.S.	1.4100	1.0405	1.9108
90-94	0 Aliased						
95+	0 Aliased						
	Deviance	(DF)	Drop Dev	P			
Model 3	11.7885	(7)	1.5579	N.S.			
	Estimate	S.E.		P	RR	95%CIl	95%CIu
Constant	0.5263	0.0164		+++	1.6927	1.6393	1.7479
Est 5-Yr Age Group							
60-64	5 Aliased						
30-34	2 2.8815	0.1970		+++	30.1987	20.5514	44.3746
35-39	0 Aliased						
40-44	2 0.2672	0.1495		N.S.	2.2112	1.6524	2.9589
45-49	1 1.2486	0.4323		+	5.8996	2.5300	13.7573
50-54	0 Aliased						
55-59	1 -0.0563	0.0551		N.S.	1.6000	1.4432	1.7739
65-69	0 Aliased						
70-74	3 -0.0837	0.1402		N.S.	1.5568	1.1850	2.0452
75-79	0 Aliased						
80-84	1 -0.2043	0.1971		N.S.	1.3800	0.9391	2.0280
85-89	1 Aliased						
90-94	0 Aliased						
95+	0 Aliased						
Sex (RR)							
male	9 Aliased						
female	6 -0.1437	0.1151		N.S.	1.4662	1.1727	1.8331
combined	1 -0.1827	0.1559		N.S.	1.4100	1.0405	1.9108
	Deviance	(DF)	Drop Dev	P			
Model 4	2.1825	(6)	9.6060	**			
	Estimate	S.E.		P	RR	95%CIl	95%CIu
Constant	0.5311	0.0164		+++	1.7008	1.6469	1.7565

Table 13
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Look for effect over countries or flue cured versus blended cigarettes

Log Relative risk
WEIGHTED on Weight

		Estimate	S.E.	P	RR	95%CIl	95%CIu
Est 5-Yr Age Group							
60-64	5	Aliased					
30-34	2	Aliased					
35-39	0	Aliased					
40-44	2	0.5888	0.1820	+	3.0647	2.1483	4.3720
45-49	1	-1.6487	0.4481	-	0.3271	0.1360	0.7867
50-54	0	Aliased					
55-59	1	-0.0611	0.0551	N.S.	1.6000	1.4432	1.7739
65-69	0	Aliased					
70-74	3	-0.1426	0.1415	N.S.	1.4748	1.1198	1.9424
75-79	0	Aliased					
80-84	1	-0.2090	0.1971	N.S.	1.3800	0.9391	2.0280
85-89	1	Aliased					
90-94	0	Aliased					
95+	0	Aliased					
Sex (RR)							
male	9	Aliased					
female	6	0.1621	0.1516	N.S.	2.0001	1.4886	2.6875
combined	1	-2.7742	0.2678	---	0.1061	0.0628	0.1792
: CHD type							
Fatal	8	Aliased					
Nonfatal	4	-0.4952	0.1598	-	1.0366	0.7592	1.4154
Both	4	2.5867	0.2188	+++	22.5975	14.7349	34.6554
		Deviance	(DF)	Drop Dev	P		
Model 5		1.4422	(4)	0.7403	N.S.		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.6824	0.2987	(+)	1.9786	1.1018	3.5533
Est 5-Yr Age Group							
60-64	5	Aliased					
30-34	2	Aliased					
35-39	0	Aliased					
40-44	2	0.5883	0.1821	+	3.5633	5.6675	2.2403
45-49	1	Aliased					
50-54	0	Aliased					
55-59	1	-0.0606	0.0552	N.S.	1.8623	3.3107	1.0475
65-69	0	Aliased					
70-74	3	-1.8181	0.5836	-	0.3212	0.1202	0.8580
75-79	0	Aliased					
80-84	1	-2.0089	0.5722	-	0.2654	0.1020	0.6908
85-89	1	Aliased					
90-94	0	Aliased					
95+	0	Aliased					
Sex (RR)							
male	9	Aliased					
female	6	0.1579	0.1583	N.S.	2.3171	3.8069	1.4103
combined	1	Aliased					
: CHD type							
Fatal	8	Aliased					
Nonfatal	4	-0.6436	0.3151	N.S.	1.0396	0.8539	1.2657
Both	4	0.7909	0.5142	N.S.	4.3635	1.9210	9.9117
Grouped Mid-Year Study or Final Follow-up							
1970-79	7	Aliased					
Pre 1960	2	-0.1518	0.2992	N.S.	1.7000	1.6460	1.7558
60-69	4	1.6485	0.4481	+	10.2876	5.3455	19.7988
80-89	2	1.4531	0.5328	(+)	8.4612	3.5634	20.0907
1990+	1	-1.1297	0.4721	(-)	0.6394	0.3123	1.3088
		Deviance	(DF)	Drop Dev	P		
Model 6		1.4422	(4)	-0.0000	N.S.		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.6824	0.2987	(+)	1.9786	1.1018	3.5533

Table 13
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Look for effect over countries or flue cured versus blended cigarettes

Log Relative risk
WEIGHTED on Weight

		Estimate	S.E.	P	RR	95%CIl	95%CIu
Est 5-Yr Age Group							
60-64	5	Aliased					
30-34	2	Aliased					
35-39	0	Aliased					
40-44	2	0.5883	0.1821	+	3.5633	5.6675	2.2403
45-49	1	Aliased					
50-54	0	Aliased					
55-59	1	-0.0606	0.0552	N.S.	1.8623	3.3107	1.0475
65-69	0	Aliased					
70-74	3	Alias0					
75-79	0	Aliased					
80-84	1	-0.1907	0.3005	N.S.	1.6350	1.5324	1.7445
85-89	1	Aliased					
90-94	0	Aliased					
95+	0	Aliased					
Sex (RR)							
male	9	Aliased					
female	6	0.1579	0.1583	N.S.	2.3171	3.8069	1.4103
combined	1	Aliased					
		Estimate					
: CHD type							
Fatal	8	Aliased					
Nonfatal	4	Alias0					
Both	4	Alias0					
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Grouped Mid-Year Study or Final Follow-up							
1970-79	7	Aliased					
Pre 1960	2	-0.9427	0.4462	N.S.	0.7709	0.4026	1.4760
60-69	4	-0.9605	0.5005	N.S.	0.7573	0.3446	1.6639
80-89	2	Alias0					
1990+	1	0.0262	0.2369	N.S.	2.0312	2.9014	1.4220
Country							
Denmark	0	Aliased					
Netherlands	2	Aliased					
Germany	2	3.3999	0.6252	++	59.2800	20.2022	173.9472
Austria	0	Aliased					
USA	5	0.7909	0.5142	N.S.	4.3635	1.9210	9.9117
UK	4	-0.6436	0.3151	N.S.	1.0396	0.8539	1.2657
Canada	0	Aliased					
Australia	3	-0.3650	0.3387	N.S.	1.3735	1.0045	1.8781
		Deviance	(DF)	Drop Dev	P		
Model 6		1.4422	(4)	0.0000	N.S.		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.0388	0.1621	N.S.	1.0396	0.7566	1.4284
Est 5-Yr Age Group							
60-64	5	Aliased					
30-34	2	Aliased					
35-39	0	Aliased					
40-44	2	0.5883	0.1821	+	1.8722	1.5912	2.2028
45-49	1	Aliased					
50-54	0	Aliased					
55-59	1	-0.0606	0.0552	N.S.	0.9784	1.3191	0.7257
65-69	0	Aliased					
70-74	3	-1.8181	0.5836	-	0.1688	0.0562	0.5063
75-79	0	Aliased					
80-84	1	-2.0089	0.5722	-	0.1395	0.0476	0.4088
85-89	1	Aliased					
90-94	0	Aliased					
95+	0	Aliased					

Table 13
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Look for effect over countries or flue cured versus blended cigarettes

Log Relative risk
WEIGHTED on Weight

		Estimate	S.E.	P	RR	95%CIl	95%CIu
Sex (RR)							
male	9	Aliased					
female	6	0.1579	0.1583	N.S.	1.2174	1.3038	1.1368
combined	1	Aliased					
: CHD type							
Fatal	8	Aliased					
Nonfatal	4	Alias0					
Both	4	0.7909	0.5142	N.S.	2.2926	0.8809	5.9668
Grouped Mid-Year Study or Final Follow-up							
1970-79	7	Aliased					
Pre 1960	2	-0.1518	0.2992	N.S.	0.8932	0.5457	1.4620
60-69	4	1.6485	0.4481	+	5.4052	2.3835	12.2576
80-89	2	2.0967	0.6170	+	8.4612	2.6343	27.1766
1990+	1	-0.4861	0.5771	N.S.	0.6394	0.2159	1.8931
Flue Cured v Blended							
Flue cured	7	Aliased					
Blended	9	0.6436	0.3151	N.S.	1.9786	1.1650	3.3604

	Deviance	(DF)				
Current Smoker						
Model 1	2059.2916	(136)				
	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.6220	0.0074	+++	1.8627	1.8358	1.8899
	Deviance	(DF)	Drop Dev	P		
Model 2	935.1304	(123)	1124.1611	***		
	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.7057	0.0287	+++	2.0253	1.9146	2.1423
Est 5-Yr Age Group						
60-64	6	Aliased				
30-34	3	1.4613	0.1355	+++	8.7326	6.7366	11.3199
35-39	6	0.4888	0.0811	+++	3.3020	2.8461	3.8310
40-44	10	0.4501	0.0434	+++	3.1766	2.9801	3.3860
45-49	14	-0.0631	0.0422	N.S.	1.9014	1.7893	2.0205
50-54	21	0.1818	0.0336	+++	2.4292	2.3472	2.5140
55-59	14	-0.0587	0.0353	(-)	1.9098	1.8341	1.9887
65-69	16	-0.2065	0.0332	---	1.6475	1.5942	1.7025
70-74	12	-0.2044	0.0352	---	1.6509	1.5863	1.7182
75-79	14	-0.3402	0.0385	---	1.4412	1.3703	1.5158
80-84	6	-0.4378	0.0555	---	1.3073	1.1911	1.4347
85-89	5	-0.4137	0.0447	---	1.3391	1.2519	1.4324
90-94	6	-0.4896	0.0654	---	1.2412	1.1061	1.3929
95+	4	-0.6396	0.0940	---	1.0684	0.8965	1.2732

	Deviance	(DF)	Drop Dev	P		
Model 3	865.9377	(121)	69.1928	***		
	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.6620	0.0292	+++	1.9387	1.8311	2.0527

Table 13
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Look for effect over countries or flue cured versus blended cigarettes

Log Relative risk
WEIGHTED on Weight

		Estimate	S.E.	P	RR	95%CIl	95%CIu
Est 5-Yr Age Group							
60-64	6	Aliased					
30-34	3	1.3620	0.1360	+++	7.5691	5.8339	9.8204
35-39	6	0.4875	0.0811	+++	3.1567	2.7218	3.6611
40-44	10	0.4505	0.0434	+++	3.0421	2.8564	3.2400
45-49	14	-0.0402	0.0424	N.S.	1.8623	1.7533	1.9781
50-54	21	0.1802	0.0336	+++	2.3216	2.2466	2.3991
55-59	14	-0.0341	0.0355	N.S.	1.8737	1.8007	1.9496
65-69	16	-0.1960	0.0332	---	1.5937	1.5447	1.6443
70-74	12	-0.2042	0.0352	---	1.5806	1.5208	1.6427
75-79	14	-0.3497	0.0386	---	1.3666	1.3006	1.4358
80-84	6	-0.4571	0.0555	---	1.2275	1.1190	1.3465
85-89	5	-0.3835	0.0449	---	1.3212	1.2357	1.4126
90-94	6	-0.5184	0.0655	---	1.1544	1.0290	1.2951
95+	4	-0.6651	0.0940	---	0.9970	0.8368	1.1879
Sex (RR)							
male	80	Aliased					
female	53	0.1431	0.0174	+++	2.2371	2.3422	2.1367
combined	4	0.1389	0.0984	N.S.	2.2277	1.8530	2.6781
		Deviance	(DF)	Drop Dev	P		
Model 4		859.6429	(119)	6.2947	*		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.6670	0.0292	+++	1.9484	1.8400	2.0633
Est 5-Yr Age Group							
60-64	6	Aliased					
30-34	3	1.3851	0.1372	+++	7.7841	5.9850	10.1240
35-39	6	0.4285	0.0886	+++	2.9906	2.5383	3.5235
40-44	10	0.4098	0.0511	+++	2.9354	2.7039	3.1868
45-49	14	-0.0167	0.0455	N.S.	1.9161	1.7895	2.0516
50-54	21	0.1974	0.0350	+++	2.3737	2.2859	2.4649
55-59	14	-0.0337	0.0355	N.S.	1.8839	1.8108	1.9600
65-69	16	-0.2065	0.0336	---	1.5848	1.5339	1.6375
70-74	12	-0.2016	0.0352	---	1.5927	1.5326	1.6552
75-79	14	-0.3516	0.0386	---	1.3708	1.3048	1.4401
80-84	6	-0.4587	0.0555	---	1.2316	1.1227	1.3509
85-89	5	-0.3806	0.0450	---	1.3317	1.2454	1.4239
90-94	6	-0.5203	0.0655	---	1.1581	1.0323	1.2992
95+	4	-0.6361	0.0953	---	1.0314	0.8634	1.2322
Sex (RR)							
male	80	Aliased					
female	53	0.1369	0.0177	+++	2.2344	2.3387	2.1347
combined	4	0.1458	0.0985	N.S.	2.2543	1.8748	2.7107
: CHD type							
Fatal	92	Aliased					
Nonfatal	12	0.0608	0.0391	N.S.	2.0706	1.9676	2.1790
Both	33	-0.0405	0.0228	(-)	1.8711	1.9395	1.8051
		Deviance	(DF)	Drop Dev	P		
Model 5		557.0722	(115)	302.5708	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.6673	0.0378	+++	1.9489	1.8098	2.0987

Table 13
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Look for effect over countries or flue cured versus blended cigarettes

Log Relative risk
WEIGHTED on Weight

		Estimate	S.E.	P	RR	95%CIl	95%CIu
Est 5-Yr Age Group							
60-64	6	Aliased					
30-34	3	1.3847	0.1455	+++	7.7832	5.9094	10.2510
35-39	6	0.5067	0.1054	+++	3.2348	2.6675	3.9229
40-44	10	0.4664	0.0518	+++	3.1071	2.8988	3.3303
45-49	14	0.1043	0.0463	+	2.1632	2.0526	2.2797
50-54	21	0.1854	0.0363	+++	2.3459	2.3946	2.2983
55-59	14	0.0842	0.0371	+	2.1202	2.1510	2.0899
65-69	16	-0.1201	0.0346	---	1.7284	1.7803	1.6780
70-74	12	-0.1917	0.0364	---	1.6089	1.6410	1.5773
75-79	14	-0.3787	0.0392	---	1.3345	1.3078	1.3618
80-84	6	-0.4974	0.0556	---	1.1852	1.0942	1.2837
85-89	5	-0.1794	0.0489	---	1.6289	1.5326	1.7312
90-94	6	-0.6187	0.0659	---	1.0498	0.9444	1.1670
95+	4	-0.4638	0.0968	---	1.2257	1.0293	1.4595
Sex (RR)							
male	80	Aliased					
female	53	0.0910	0.0180	+++	2.1345	2.2781	2.0000
combined	4	0.1094	0.0990	N.S.	2.1743	1.8175	2.6012
: CHD type							
Fatal	92	Aliased					
Nonfatal	12	-0.1405	0.0725	(-)	1.6935	1.5000	1.9119
Both	33	-0.1024	0.0234	---	1.7592	1.8646	1.6598
Grouped Mid-Year Study or Final Follow-up							
1970-79	23	Aliased					
Pre 1960	22	-0.1998	0.0304	---	1.5960	1.6677	1.5274
60-69	37	-0.0760	0.0268	--	1.8062	1.9030	1.7144
80-89	46	0.2115	0.0265	+++	2.4080	2.5383	2.2843
1990+	9	0.1545	0.0717	+	2.2746	2.0184	2.5632

	Deviance	(DF)	Drop Dev	P
Model 6	460.5720	(109)	96.5001	***

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.7999	0.0561	+++	2.2254	1.9936	2.4841
Est 5-Yr Age Group						
60-64	6	Aliased				
30-34	3	1.4578	0.1468	+++	9.5610	7.3287	12.4732
35-39	6	0.4973	0.1056	+++	3.6592	3.0705	4.3607
40-44	10	0.4580	0.0520	+++	3.5181	3.6672	3.3751
45-49	14	0.1431	0.0469	++	2.5677	2.7277	2.4171
50-54	21	0.0963	0.0398	+	2.4503	2.6481	2.2673
55-59	14	0.0438	0.0379	N.S.	2.3250	2.5214	2.1439
65-69	16	-0.1514	0.0351	---	1.9127	2.0842	1.7554
70-74	12	-0.2287	0.0376	---	1.7705	1.9211	1.6317
75-79	14	-0.4134	0.0400	---	1.4719	1.5899	1.3626
80-84	6	-0.4971	0.0556	---	1.3537	1.3741	1.3337
85-89	5	-0.3377	0.0603	---	1.5876	1.5208	1.6574
90-94	6	-0.6060	0.0660	---	1.2140	1.1342	1.2995
95+	4	-0.4330	0.0989	---	1.4433	1.2304	1.6932
Sex (RR)							
male	80	Aliased					
female	53	0.0929	0.0184	+++	2.4420	2.7094	2.2009
combined	4	0.1452	0.1131	N.S.	2.5732	2.1226	3.1194
: CHD type							
Fatal	92	Aliased					
Nonfatal	12	-0.1178	0.0727	N.S.	1.9782	1.8066	2.1660
Both	33	-0.1990	0.0297	---	1.8239	2.0023	1.6614
Grouped Mid-Year Study or Final Follow-up							
1970-79	23	Aliased					
Pre 1960	22	-0.1543	0.0368	---	1.9072	2.0722	1.7553
60-69	37	-0.0622	0.0308	-	2.0913	2.2927	1.9075
80-89	46	0.1554	0.0339	+++	2.5995	2.8378	2.3813
1990+	9	-0.0128	0.0776	N.S.	2.1971	1.9780	2.4404

Table 13
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Look for effect over countries or flue cured versus blended cigarettes

Log Relative risk
WEIGHTED on Weight

		Estimate	S.E.	P	RR	95%CIl	95%CIu
Country							
Denmark	3	Aliased					
Netherlands	4	-0.1475	0.1370	N.S.	1.9203	1.5029	2.4535
Germany	3	0.1273	0.1369	N.S.	2.5274	1.9785	3.2286
Austria	0	Aliased					
USA	95	-0.1121	0.0546	-	1.9893	2.0408	1.9391
UK	16	0.0313	0.0606	N.S.	2.2962	2.1955	2.4016
Canada	12	-0.1953	0.0748	-	1.8306	1.6616	2.0167
Australia	4	0.2403	0.0833	++	2.8298	2.5083	3.1925
		Deviance	(DF)	Drop Dev	P		
Model 6		531.6786	(114)	25.3935	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.8017	0.0463	+++	2.2293	2.0361	2.4409
Est 5-Yr Age Group							
60-64	6	Aliased					
30-34	3	1.4312	0.1458	+++	9.3271	7.1129	12.2306
35-39	6	0.5212	0.1054	+++	3.7544	3.1181	4.5206
40-44	10	0.4739	0.0518	+++	3.5808	3.4208	3.7483
45-49	14	0.1334	0.0467	++	2.5474	2.5168	2.5783
50-54	21	0.1484	0.0370	+++	2.5859	2.7301	2.4492
55-59	14	0.0920	0.0371	+	2.4441	2.5801	2.3153
65-69	16	-0.1126	0.0347	--	1.9920	2.1151	1.8760
70-74	12	-0.1926	0.0364	---	1.8388	1.9445	1.7388
75-79	14	-0.4005	0.0394	---	1.4936	1.5662	1.4244
80-84	6	-0.4925	0.0556	---	1.3624	1.2825	1.4473
85-89	5	-0.2517	0.0510	---	1.7333	1.6618	1.8078
90-94	6	-0.6096	0.0659	---	1.2118	1.1052	1.3287
95+	4	-0.4041	0.0975	---	1.4883	1.2579	1.7609
Sex (RR)							
male	80	Aliased					
female	53	0.0810	0.0181	+++	2.4174	2.6277	2.2240
combined	4	0.1215	0.0990	N.S.	2.5175	2.1206	2.9886
: CHD type							
Fatal	92	Aliased					
Nonfatal	12	-0.1478	0.0725	-	1.9230	1.7235	2.1456
Both	33	-0.1506	0.0253	---	1.9176	2.0689	1.7774
Grouped Mid-Year Study or Final Follow-up							
1970-79	23	Aliased					
Pre 1960	22	-0.2249	0.0308	---	1.7803	1.9047	1.6640
60-69	37	-0.0753	0.0268	--	2.0676	2.2261	1.9204
80-89	46	0.1993	0.0266	+++	2.7210	2.9303	2.5267
1990+	9	0.0293	0.0759	N.S.	2.2955	2.0401	2.5829
Flue Cured v Blended							
Flue cured	32	Aliased					
Blended	105	-0.1303	0.0259	---	1.9569	2.1097	1.8152
		Deviance	(DF)				
Ex Smoker							
Model 1		323.5283	(50)				
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.2043	0.0092	+++	1.2267	1.2048	1.2489
		Deviance	(DF)	Drop Dev	P		
Model 2		126.2232	(38)	197.3052	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.4235	0.0281	+++	1.5272	1.4454	1.6138

Table 13
IESHD - Meta-analysis of Smoking and CHD
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Look for effect over countries or flue cured versus blended cigarettes

Log Relative risk
WEIGHTED on Weight

		Estimate	S.E.	P	RR	95%CIl	95%CIu
Est 5-Yr Age Group							
60-64	4	Aliased					
30-34	0	Aliased					
35-39	2	-0.2699	0.0976	--	1.1660	0.9707	1.4004
40-44	3	0.0381	0.0536	N.S.	1.5865	1.4508	1.7349
45-49	3	0.1309	0.1219	N.S.	1.7408	1.3796	2.1966
50-54	5	-0.2316	0.0443	---	1.2115	1.1328	1.2957
55-59	5	0.0537	0.0728	N.S.	1.6115	1.4126	1.8383
65-69	8	-0.5390	0.0483	---	0.8909	0.8248	0.9623
70-74	4	-0.2740	0.0444	---	1.1612	1.0854	1.2423
75-79	8	-0.2189	0.0613	---	1.2270	1.1027	1.3652
80-84	1	-0.5777	0.2595	-	0.8571	0.5170	1.4210
85-89	4	-0.2515	0.0306	---	1.1876	1.1596	1.2163
90-94	2	-0.2320	0.0700	--	1.2110	1.0680	1.3732
95+	2	-0.0668	0.1298	N.S.	1.4285	1.1144	1.8311
		Deviance	(DF)	Drop Dev	P		
Model 3		116.4024	(36)	9.8207	**		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.4232	0.0281	+++	1.5268	1.4450	1.6133
Est 5-Yr Age Group							
60-64	4	Aliased					
30-34	0	Aliased					
35-39	2	-0.2899	0.0978	--	1.1426	0.9509	1.3730
40-44	3	0.0061	0.0546	N.S.	1.5362	1.4017	1.6836
45-49	3	0.0455	0.1433	N.S.	1.5979	1.2131	2.1047
50-54	5	-0.2689	0.0459	---	1.1669	1.0867	1.2529
55-59	5	0.0274	0.0733	N.S.	1.5693	1.3743	1.7920
65-69	8	-0.5843	0.0505	---	0.8512	0.7841	0.9241
70-74	4	-0.2941	0.0449	---	1.1378	1.0623	1.2186
75-79	8	-0.2530	0.0623	---	1.1855	1.0632	1.3219
80-84	1	-0.6880	0.2619	-	0.7674	0.4607	1.2782
85-89	4	-0.2514	0.0306	---	1.1875	1.1594	1.2162
90-94	2	-0.2801	0.0717	---	1.1539	1.0140	1.3130
95+	2	-0.1103	0.1305	N.S.	1.3675	1.0652	1.7555
Sex (RR)							
male	30	Aliased					
female	20	0.1106	0.0353	++	1.7054	1.6354	1.7784
combined	1	0.1135	0.2697	N.S.	1.7104	1.0111	2.8933
		Deviance	(DF)	Drop Dev	P		
Model 4		108.8340	(34)	7.5684	*		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.4265	0.0282	+++	1.5320	1.4497	1.6189
Est 5-Yr Age Group							
60-64	4	Aliased					
30-34	0	Aliased					
35-39	2	-0.0599	0.1497	N.S.	1.4428	1.0816	1.9246
40-44	3	0.2365	0.1256	(+)	1.9408	1.5269	2.4668
45-49	3	0.2717	0.1678	N.S.	2.0103	1.4537	2.7799
50-54	5	-0.0660	0.1084	N.S.	1.4341	1.1681	1.7608
55-59	5	0.0533	0.0744	N.S.	1.6159	1.4117	1.8495
65-69	8	-0.3808	0.1115	--	1.0468	0.8472	1.2933
70-74	4	-0.2966	0.0449	---	1.1387	1.0632	1.2196
75-79	8	-0.2505	0.0623	---	1.1925	1.0695	1.3297
80-84	1	-0.6869	0.2619	-	0.7708	0.4627	1.2839
85-89	4	-0.2547	0.0307	---	1.1875	1.1595	1.2162
90-94	2	-0.2815	0.0717	---	1.1561	1.0160	1.3155
95+	2	-0.1118	0.1305	N.S.	1.3699	1.0671	1.7585
Sex (RR)							
male	30	Aliased					
female	20	0.1062	0.0356	++	1.7035	1.6323	1.7779
combined	1	0.0977	0.2860	N.S.	1.6892	0.9669	2.9509

Table 13
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Look for effect over countries or flue cured versus blended cigarettes

Log Relative risk
WEIGHTED on Weight

		Estimate	S.E.	P	RR	95%CIl	95%CIu
: CHD type							
Fatal	36	Aliased					
Nonfatal	8	-0.2325	0.1138	-	1.2142	0.9783	1.5069
Both	7	-0.2137	0.1028	-	1.2371	1.0192	1.5017
		Deviance	(DF)	Drop Dev	P		
Model 5		82.5208	(30)	26.3132	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.4095	0.1197	++	1.5061	1.1912	1.9044
Est 5-Yr Age Group							
60-64	4	Aliased					
30-34	0	Aliased					
35-39	2	0.2869	0.2234	N.S.	2.0066	1.3865	2.9041
40-44	3	0.3749	0.1614	+	2.1911	1.7722	2.7090
45-49	3	0.3231	0.1910	N.S.	2.0805	1.5542	2.7851
50-54	5	0.0853	0.1377	N.S.	1.6403	1.4357	1.8740
55-59	5	0.0969	0.0935	N.S.	1.6593	1.9211	1.4332
65-69	8	-0.2645	0.1497	(-)	1.1561	0.9692	1.3789
70-74	4	-0.1348	0.1243	N.S.	1.3161	1.2322	1.4058
75-79	8	-0.2093	0.1158	(-)	1.2216	1.2968	1.1508
80-84	1	-0.3511	0.2898	N.S.	1.0601	0.6320	1.7784
85-89	4	-0.2538	0.0307	---	1.1685	1.4659	0.9315
90-94	2	-0.2209	0.1220	(-)	1.2076	1.1529	1.2649
95+	2	-0.0518	0.1638	N.S.	1.4301	1.1486	1.7806
Sex (RR)							
male	30	Aliased					
female	20	0.0939	0.0373	+	1.6544	2.0675	1.3238
combined	1	0.1960	0.2967	N.S.	1.8323	1.0762	3.1195
: CHD type							
Fatal	36	Aliased					
Nonfatal	8	-0.5289	0.1667	--	0.8875	0.7070	1.1140
Both	7	-0.3082	0.1121	--	1.1066	1.2017	1.0190
Grouped Mid-Year Study or Final Follow-up							
1970-79	10	Aliased					
Pre 1960	6	0.0163	0.1174	N.S.	1.5309	1.6030	1.4620
60-69	7	-0.3065	0.0660	---	1.1085	1.3482	0.9114
80-89	21	-0.0382	0.0758	N.S.	1.4497	1.7383	1.2090
1990+	7	0.2065	0.1440	N.S.	1.8515	1.5828	2.1659
		Deviance	(DF)	Drop Dev	P		
Model 6		76.1531	(25)	6.3677	N.S.		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.1913	0.2530	N.S.	1.2109	0.7375	1.9881
Est 5-Yr Age Group							
60-64	4	Aliased					
30-34	0	Aliased					
35-39	2	0.5934	0.2704	+	2.1918	1.8180	2.6425
40-44	3	0.6570	0.2168	++	2.3357	3.0161	1.8087
45-49	3	0.6516	0.2434	+	2.3232	2.6595	2.0295
50-54	5	0.3874	0.2157	(+)	1.7837	2.3114	1.3765
55-59	5	0.2611	0.1432	(+)	1.5721	2.3660	1.0446
65-69	8	0.0156	0.2077	N.S.	1.2299	1.6324	0.9266
70-74	4	0.0876	0.2471	N.S.	1.3218	1.4705	1.1881
75-79	8	-0.0584	0.1360	N.S.	1.1422	1.7351	0.7519
80-84	1	-0.1086	0.3538	N.S.	1.0862	0.6690	1.7637
85-89	4	-0.2589	0.0310	---	0.9347	1.5289	0.5714
90-94	2	-0.0702	0.1415	N.S.	1.1288	1.7027	0.7483
95+	2	0.0989	0.1788	N.S.	1.3368	1.8986	0.9412
Sex (RR)							
male	30	Aliased					
female	20	0.0928	0.0374	+	1.3286	2.1695	0.8136
combined	1	0.1739	0.3040	N.S.	1.4409	1.0355	2.0048

Table 13
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Look for effect over countries or flue cured versus blended cigarettes

Log Relative risk
WEIGHTED on Weight

		Estimate	S.E.	P	RR	95%CIl	95%CIu
: CHD type							
Fatal	36	Aliased					
Nonfatal	8	-0.6759	0.1904	--	0.6160	0.8538	0.4443
Both	7	-0.2160	0.1570	N.S.	0.9757	1.4393	0.6614
Grouped Mid-Year Study or Final Follow-up							
1970-79	10	Aliased					
Pre 1960	6	0.2169	0.1446	N.S.	1.5041	2.2594	1.0013
60-69	7	-0.3486	0.2006	(-)	0.8545	1.1559	0.6317
80-89	21	0.0109	0.0906	N.S.	1.2241	1.9449	0.7705
1990+	7	0.2279	0.1478	N.S.	1.5208	2.2742	1.0170
Country							
Denmark	2	Aliased					
Netherlands	1	-0.1539	0.4453	N.S.	1.0382	0.5062	2.1290
Germany	0	Aliased					
Austria	0	Aliased					
USA	26	0.0189	0.2131	N.S.	1.2339	1.6119	0.9446
UK	14	0.0640	0.2138	N.S.	1.2909	1.6826	0.9903
Canada	4	-0.2340	0.2319	N.S.	0.9582	1.1681	0.7861
Australia	4	-0.2295	0.3026	N.S.	0.9626	0.6951	1.3329

	Deviance	(DF)	Drop Dev	P
Model 6	81.8015	(29)	0.7193	N.S.

		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.4322	0.1226	++	1.5407	1.2115	1.9593
Est 5-Yr Age Group							
60-64	4	Aliased					
30-34	0	Aliased					
35-39	2	0.2802	0.2235	N.S.	2.0389	1.4136	2.9408
40-44	3	0.3648	0.1618	+	2.2189	1.8041	2.7289
45-49	3	0.3385	0.1918	(+)	2.1613	1.6186	2.8858
50-54	5	0.0641	0.1399	N.S.	1.6426	1.4395	1.8743
55-59	5	0.0671	0.0999	N.S.	1.6475	1.8942	1.4330
65-69	8	-0.2746	0.1502	(-)	1.1707	0.9877	1.3875
70-74	4	-0.1286	0.1245	N.S.	1.3547	1.2983	1.4135
75-79	8	-0.2228	0.1168	(-)	1.2330	1.3265	1.1460
80-84	1	-0.3375	0.2903	N.S.	1.0993	0.6564	1.8409
85-89	4	-0.2570	0.0309	---	1.1915	1.5036	0.9443
90-94	2	-0.2260	0.1222	(-)	1.2290	1.2557	1.2030
95+	2	-0.0568	0.1639	N.S.	1.4556	1.1762	1.8014
Sex (RR)							
male	30	Aliased					
female	20	0.0951	0.0373	+	1.6944	2.1304	1.3476
combined	1	0.1588	0.2999	N.S.	1.8058	1.0560	3.0878
: CHD type							
Fatal	36	Aliased					
Nonfatal	8	-0.5247	0.1667	--	0.9116	0.7306	1.1375
Both	7	-0.3212	0.1131	--	1.1174	1.2263	1.0182
Grouped Mid-Year Study or Final Follow-up							
1970-79	10	Aliased					
Pre 1960	6	0.0240	0.1177	N.S.	1.5781	1.6882	1.4752
60-69	7	-0.3138	0.0665	---	1.1257	1.3777	0.9199
80-89	21	-0.0261	0.0771	N.S.	1.5010	1.8094	1.2451
1990+	7	0.1895	0.1454	N.S.	1.8620	1.5980	2.1698
Flue Cured v Blended							
Flue cured	22	Aliased					
Blended	29	-0.0302	0.0357	N.S.	1.4948	1.8813	1.1876

Table 14
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Ever Smoking and Current Smoking Combined
Top down analysis after estimated age included

Log Relative risk
WEIGHTED on Weight

		Deviance	(DF)				
Model 1		2385.8180	(152)				
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.6067	0.0067	+++	1.8345	1.8107	1.8585
		Deviance	(DF)	Drop Dev	P		
Model 2		1032.1731	(139)	1353.6448	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.5686	0.0142	+++	1.7657	1.7174	1.8154
Est 5-Yr Age Group							
60-64	11	Aliased					
30-34	5	2.0333	0.1041	+++	13.4891	11.0212	16.5097
35-39	6	0.6260	0.0771	+++	3.3020	2.8461	3.8310
40-44	12	0.5630	0.0347	+++	3.1004	2.9138	3.2990
45-49	15	0.0794	0.0340	+	1.9117	1.7993	2.0312
50-54	21	0.3190	0.0225	+++	2.4292	2.3472	2.5140
55-59	15	0.0548	0.0239	+	1.8653	1.7963	1.9369
65-69	16	-0.0693	0.0219	--	1.6475	1.5942	1.7025
70-74	15	-0.0690	0.0246	--	1.6479	1.5841	1.7143
75-79	14	-0.2031	0.0294	---	1.4412	1.3703	1.5158
80-84	7	-0.2976	0.0483	---	1.3112	1.1978	1.4353
85-89	6	-0.2742	0.0364	---	1.3423	1.2569	1.4335
90-94	6	-0.3525	0.0605	---	1.2412	1.1061	1.3929
95+	4	-0.5024	0.0906	---	1.0684	0.8965	1.2732
		Deviance	(DF)	Drop Dev	P		
Model 3		954.1488	(137)	78.0243	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.6731	0.0848	+++	1.9603	1.6602	2.3146
Est 5-Yr Age Group							
60-64	11	Aliased					
30-34	5	1.9013	0.1051	+++	13.1235	11.6175	14.8246
35-39	6	0.5919	0.0772	+++	3.5433	3.7946	3.3086
40-44	12	0.5287	0.0349	+++	3.3262	3.8699	2.8589
45-49	15	0.0704	0.0341	+	2.1033	2.4489	1.8065
50-54	21	0.2850	0.0229	+++	2.6068	3.0591	2.2214
55-59	15	0.0506	0.0239	+	2.0621	2.4185	1.7583
65-69	16	-0.0911	0.0221	---	1.7897	2.1010	1.5244
70-74	15	-0.1011	0.0249	---	1.7717	2.0767	1.5116
75-79	14	-0.2456	0.0298	---	1.5334	1.7915	1.3125
80-84	7	-0.3467	0.0486	---	1.3860	1.5881	1.2096
85-89	6	-0.2803	0.0366	---	1.4811	1.7206	1.2750
90-94	6	-0.4150	0.0609	---	1.2945	1.4530	1.1532
95+	4	-0.5615	0.0909	---	1.1180	1.0487	1.1920
: Sex (RR)							
combined	5	Aliased					
male	89	-0.1172	0.0836	N.S.	1.7436	1.7918	1.6967
female	59	0.0312	0.0847	N.S.	2.0225	2.0364	2.0087
		Deviance	(DF)	Drop Dev	P		
Model 4		742.6064	(131)	211.5425	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.7307	0.1044	+++	2.0766	1.6925	2.5480

Table 14
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Ever Smoking and Current Smoking Combined
Top down analysis after estimated age included

Log Relative risk
WEIGHTED on Weight

		Estimate	S.E.	P	RR	95%CIl	95%CIu
Est 5-Yr Age Group							
60-64	11	Aliased					
30-34	5	1.6644	0.1137	+++	10.9698	10.0432	11.9819
35-39	6	0.5896	0.0772	+++	3.7446	4.2970	3.2632
40-44	12	0.4890	0.0379	+++	3.3864	4.0974	2.7988
45-49	15	0.0716	0.0342	+	2.2307	2.7063	1.8387
50-54	21	0.1911	0.0275	+++	2.5139	3.0622	2.0637
55-59	15	0.0446	0.0240	(+)	2.1714	2.6497	1.7795
65-69	16	-0.0958	0.0223	---	1.8870	2.3044	1.5451
70-74	15	-0.1393	0.0273	---	1.8066	2.2009	1.4829
75-79	14	-0.2578	0.0302	---	1.6048	1.9519	1.3194
80-84	7	-0.3448	0.0486	---	1.4710	1.7630	1.2274
85-89	6	-0.3421	0.0417	---	1.4750	1.7793	1.2228
90-94	6	-0.4167	0.0609	---	1.3689	1.6162	1.1595
95+	4	-0.5633	0.0909	---	1.1823	1.3074	1.0691
: Sex (RR)							
combined	5	Aliased					
male	89	-0.0383	0.0923	N.S.	1.9986	2.1988	1.8166
female	59	0.1067	0.0933	N.S.	2.3105	2.5329	2.1077
Country							
Denmark	3	Aliased					
Netherlands	6	-0.1597	0.1218	N.S.	1.7701	1.5650	2.0022
Germany	5	0.3843	0.1134	+++	3.0498	2.7965	3.3260
Austria	0	Aliased					
USA	100	-0.1331	0.0474	--	1.8179	2.1814	1.5149
UK	20	-0.0693	0.0531	N.S.	1.9376	2.3106	1.6248
Canada	12	-0.4216	0.0603	---	1.3622	1.6097	1.1529
Australia	7	0.1774	0.0581	++	2.4797	2.9389	2.0922
		Deviance	(DF)	Drop Dev	P		
Model 5		591.1319	(127)	151.4744	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.7993	0.1131	+++	2.2239	1.7816	2.7759
Est 5-Yr Age Group							
60-64	11	Aliased					
30-34	5	1.7173	0.1149	+++	12.3853	11.9038	12.8864
35-39	6	0.4301	0.0791	+++	3.4192	4.0066	2.9179
40-44	12	0.4178	0.0417	+++	3.3774	4.1505	2.7483
45-49	15	0.0337	0.0375	N.S.	2.3000	2.8353	1.8658
50-54	21	0.1417	0.0324	+++	2.5624	3.1689	2.0719
55-59	15	0.0285	0.0242	N.S.	2.2882	2.8416	1.8426
65-69	16	-0.1377	0.0232	---	1.9378	2.4075	1.5598
70-74	15	-0.2324	0.0303	---	1.7628	2.1826	1.4237
75-79	14	-0.3719	0.0328	---	1.5331	1.8956	1.2400
80-84	7	-0.4656	0.0505	---	1.3960	1.7025	1.1447
85-89	6	-0.3366	0.0449	---	1.5882	1.9467	1.2958
90-94	6	-0.5846	0.0627	---	1.2394	1.4905	1.0306
95+	4	-0.5747	0.0909	---	1.2518	1.4283	1.0971
: Sex (RR)							
combined	5	Aliased					
male	89	-0.0725	0.0955	N.S.	2.0684	2.3293	1.8367
female	59	0.0241	0.0961	N.S.	2.2782	2.5614	2.0264
Country							
Denmark	3	Aliased					
Netherlands	6	-0.2459	0.1231	-	1.7391	1.5810	1.9130
Germany	5	0.1426	0.1175	N.S.	2.5647	2.4096	2.7297
Austria	0	Aliased					
USA	100	-0.2023	0.0532	---	1.8165	2.2091	1.4937
UK	20	-0.1013	0.0580	(-)	2.0097	2.4311	1.6614
Canada	12	-0.3979	0.0684	---	1.4939	1.7825	1.2520
Australia	7	-0.0773	0.0704	N.S.	2.0585	2.4488	1.7305

Table 14
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Ever Smoking and Current Smoking Combined
Top down analysis after estimated age included

Log Relative risk
WEIGHTED on Weight

		Estimate	S.E.	P	RR	95%CIl	95%CIu
Grouped Mid-Year Study or Final Follow-up							
Pre 1960	24	Aliased					
60-69	41	0.0766	0.0217	+++	2.4009	2.9846	1.9314
70-79	30	0.0744	0.0329	+	2.3957	2.9619	1.9377
80-89	48	0.2961	0.0251	+++	2.9902	3.7119	2.4089
1990+	10	0.0745	0.0497	N.S.	2.3960	2.9241	1.9632
		Deviance	(DF)	Drop Dev	P		
Model 6		534.5961	(125)	56.5358	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.7073	0.1138	+++	2.0285	1.6230	2.5353
Est 5-Yr Age Group							
60-64	11	Aliased					
30-34	5	1.7455	0.1183	+++	11.6210	10.9068	12.3820
35-39	6	0.6408	0.0950	+++	3.8502	4.3534	3.4051
40-44	12	0.4985	0.0446	+++	3.3395	4.1000	2.7200
45-49	15	0.1593	0.0416	+++	2.3787	2.9275	1.9328
50-54	21	0.1396	0.0324	+++	2.3324	2.8884	1.8834
55-59	15	0.0354	0.0243	N.S.	2.1015	2.6132	1.6901
65-69	16	-0.1363	0.0232	---	1.7701	2.2020	1.4229
70-74	15	-0.2212	0.0305	---	1.6260	2.0158	1.3116
75-79	14	-0.3913	0.0331	---	1.3716	1.6979	1.1080
80-84	7	-0.4774	0.0505	---	1.2584	1.5368	1.0305
85-89	6	-0.3237	0.0463	---	1.4676	1.7991	1.1971
90-94	6	-0.5969	0.0628	---	1.1167	1.3450	0.9272
95+	4	-0.4323	0.0938	---	1.3165	1.4937	1.1602
: Sex (RR)							
combined	5	Aliased					
male	89	-0.0320	0.0958	N.S.	1.9647	2.2161	1.7418
female	59	0.0662	0.0966	N.S.	2.1674	2.4388	1.9261
Country							
Denmark	3	Aliased					
Netherlands	6	-0.1198	0.1245	N.S.	1.7994	1.6301	1.9864
Germany	5	0.3537	0.1211	++	2.8891	2.6634	3.1340
Austria	0	Aliased					
USA	100	-0.1499	0.0538	--	1.7461	2.1254	1.4346
UK	20	-0.0309	0.0591	N.S.	1.9669	2.3797	1.6256
Canada	12	-0.2540	0.0719	---	1.5735	1.8703	1.3238
Australia	7	0.1418	0.0788	(+)	2.3375	2.7456	1.9901
Grouped Mid-Year Study or Final Follow-up							
Pre 1960	24	Aliased					
60-69	41	0.0907	0.0220	+++	2.2211	2.7644	1.7845
70-79	30	0.1147	0.0333	+++	2.2749	2.8157	1.8380
80-89	48	0.3049	0.0252	+++	2.7517	3.4202	2.2139
1990+	10	0.2447	0.0621	+++	2.5909	3.1233	2.1492
: CHD type							
Fatal	100	Aliased					
Nonfatal	16	-0.2502	0.0604	---	1.5795	1.9082	1.3075
Both	37	-0.1911	0.0289	---	1.6756	2.0790	1.3504
		Deviance	(DF)	Drop Dev	P		
Model 7		510.6091	(124)	23.9871	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.4936	0.1219	+++	1.6382	1.2901	2.0802

Table 14
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Ever Smoking and Current Smoking Combined
Top down analysis after estimated age included

Log Relative risk
WEIGHTED on Weight

		Estimate	S.E.	P	RR	95%CIl	95%CIu
Est 5-Yr Age Group							
60-64	11	Aliased					
30-34	5	2.0158	0.1305	+++	12.2970	11.2197	13.4777
35-39	6	0.6643	0.0951	+++	3.1833	3.6961	2.7416
40-44	12	0.4965	0.0446	+++	2.6914	3.3614	2.1550
45-49	15	0.1576	0.0416	+++	1.9179	2.4007	1.5322
50-54	21	0.1456	0.0324	+++	1.8949	2.3855	1.5051
55-59	15	0.0360	0.0243	N.S.	1.6983	2.1462	1.3438
65-69	16	-0.1374	0.0232	---	1.4278	1.8051	1.1294
70-74	15	-0.2185	0.0305	---	1.3166	1.6592	1.0448
75-79	14	-0.3961	0.0331	---	1.1025	1.3874	0.8760
80-84	7	-0.4784	0.0505	---	1.0153	1.2619	0.8170
85-89	6	-0.3114	0.0464	---	1.1998	1.4963	0.9620
90-94	6	-0.5976	0.0628	---	0.9012	1.1059	0.7344
95+	4	-0.4295	0.0938	---	1.0662	1.2419	0.9153
: Sex (RR)							
combined	5	Aliased					
male	89	-0.1842	0.1007	(-)	1.3626	1.5588	1.1911
female	59	-0.0855	0.1014	N.S.	1.5039	1.7169	1.3173
Country							
Denmark	3	Aliased					
Netherlands	6	-0.0294	0.1258	N.S.	1.5908	1.4961	1.6914
Germany	5	0.4080	0.1216	++	2.4636	2.5006	2.4271
Austria	0	Aliased					
USA	100	-0.1205	0.0541	-	1.4522	1.7988	1.1724
UK	20	-0.0080	0.0593	N.S.	1.6251	2.0022	1.3191
Canada	12	-0.2265	0.0722	--	1.3062	1.5834	1.0775
Australia	7	0.1771	0.0791	+	1.9556	2.3452	1.6307
Grouped Mid-Year Study or Final Follow-up							
Pre 1960	24	Aliased					
60-69	41	0.0926	0.0220	+++	1.7972	2.2732	1.4209
70-79	30	0.1401	0.0337	+++	1.8846	2.3709	1.4981
80-89	48	0.3053	0.0252	+++	2.2232	2.8084	1.7599
1990+	10	0.2904	0.0628	+++	2.1901	2.6877	1.7847
: CHD type							
Fatal	100	Aliased					
Nonfatal	16	0.0519	0.0863	N.S.	1.7255	2.0424	1.4577
Both	37	-0.1948	0.0289	---	1.3483	1.7004	1.0691
Prospective							
CaseCont	28	Aliased					
Prosp	125	0.3361	0.0686	+++	2.2927	2.7930	1.8820

	Deviance	(DF)	Drop Dev	P
Model 8	485.0935	(123)	25.5156	***

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.4767	0.1219	+++	1.6107	1.2684	2.0455
Est 5-Yr Age Group						
60-64	11	Aliased				
30-34	5	1.6275	0.1515	+++	8.2001	6.8751	9.7805
35-39	6	0.6942	0.0953	+++	3.2247	3.7431	2.7781
40-44	12	0.4902	0.0446	+++	2.6298	3.2847	2.1055
45-49	15	0.1529	0.0416	+++	1.8769	2.3496	1.4993
50-54	21	0.1450	0.0324	+++	1.8620	2.3444	1.4789
55-59	15	0.0410	0.0243	(+)	1.6781	2.1209	1.3278
65-69	16	-0.1396	0.0232	---	1.4008	1.7712	1.1079
70-74	15	-0.2237	0.0305	---	1.2879	1.6231	1.0219
75-79	14	-0.4032	0.0331	---	1.0763	1.3546	0.8552
80-84	7	-0.4815	0.0505	---	0.9952	1.2370	0.8007
85-89	6	-0.3222	0.0465	---	1.1670	1.4555	0.9357
90-94	6	-0.6044	0.0628	---	0.8801	1.0802	0.7171
95+	4	-0.4420	0.0938	---	1.0353	1.2059	0.8887
: Sex (RR)							
combined	5	Aliased					
male	89	-0.1944	0.1007	(-)	1.3261	1.5173	1.1591
female	59	-0.0951	0.1014	N.S.	1.4646	1.6723	1.2828

Table 14
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Ever Smoking and Current Smoking Combined
Top down analysis after estimated age included

Log Relative risk
WEIGHTED on Weight

		Estimate	S.E.	P	RR	95%CIl	95%CIu
Country							
Denmark	3	Aliased					
Netherlands	6	-0.0330	0.1258	N.S.	1.5584	1.4661	1.6564
Germany	5	0.1012	0.1360	N.S.	1.7822	1.5839	2.0053
Austria	0	Aliased					
USA	100	-0.1217	0.0541	-	1.4262	1.7667	1.1513
UK	20	0.0009	0.0593	N.S.	1.6122	1.9865	1.3085
Canada	12	-0.2341	0.0722	--	1.2745	1.5451	1.0512
Australia	7	0.1518	0.0793	(+)	1.8748	2.2479	1.5635
Grouped Mid-Year Study or Final Follow-up							
Pre 1960	24	Aliased					
60-69	41	0.0887	0.0220	+++	1.7601	2.2264	1.3914
70-79	30	0.1458	0.0337	+++	1.8635	2.3445	1.4811
80-89	48	0.3172	0.0253	+++	2.2120	2.7945	1.7510
1990+	10	0.3407	0.0636	+++	2.2645	2.7766	1.8468
: CHD type							
Fatal	100	Aliased					
Nonfatal	16	0.0378	0.0864	N.S.	1.6727	1.9800	1.4131
Both	37	-0.1818	0.0290	---	1.3430	1.6938	1.0648
Prospective							
CaseCont	28	Aliased					
Prosp	125	0.3639	0.0689	+++	2.3178	2.8231	1.9030
DOERKE1968							
No	151	Aliased					
Yes	2	1.2596	0.2494	+++	5.6760	3.7059	8.6935

	Deviance	(DF)	Drop Dev	P
Model 9	482.2180	(122)	2.8755	(*)

		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.4929	0.1223	+++	1.6370	1.2881	2.0804
Est 5-Yr Age Group							
60-64	11	Aliased					
30-34	5	1.5940	0.1528	+++	8.0593	6.7352	9.6437
35-39	6	0.6538	0.0982	+++	3.1476	3.6308	2.7287
40-44	12	0.4604	0.0480	+++	2.5942	3.2340	2.0809
45-49	15	0.1273	0.0443	++	1.8592	2.3247	1.4870
50-54	21	0.1137	0.0373	++	1.8341	2.3044	1.4598
55-59	15	0.0099	0.0304	N.S.	1.6534	2.0854	1.3108
65-69	16	-0.1743	0.0310	---	1.3751	1.7339	1.0905
70-74	15	-0.2494	0.0341	---	1.2757	1.6059	1.0134
75-79	14	-0.4312	0.0370	---	1.0636	1.3366	0.8464
80-84	7	-0.5038	0.0522	---	0.9891	1.2285	0.7963
85-89	6	-0.3645	0.0527	---	1.1370	1.4114	0.9158
90-94	6	-0.6292	0.0645	---	0.8725	1.0696	0.7118
95+	4	-0.4806	0.0965	---	1.0123	1.1728	0.8738
: Sex (RR)							
combined	5	Aliased					
male	89	-0.2082	0.1010	-	1.3292	1.5214	1.1614
female	59	-0.1096	0.1018	N.S.	1.4671	1.6755	1.2846
Country							
Denmark	3	Aliased					
Netherlands	6	-0.0369	0.1258	N.S.	1.5776	1.4884	1.6723
Germany	5	0.1163	0.1363	N.S.	1.8389	1.6346	2.0687
Austria	0	Aliased					
USA	100	-0.1164	0.0542	-	1.4571	1.8064	1.1754
UK	20	0.0049	0.0594	N.S.	1.6451	2.0285	1.3341
Canada	12	-0.2447	0.0725	---	1.2817	1.5547	1.0566
Australia	7	0.1688	0.0799	+	1.9381	2.3236	1.6165
Grouped Mid-Year Study or Final Follow-up							
Pre 1960	24	Aliased					
60-69	41	0.0685	0.0250	++	1.7531	2.2167	1.3865
70-79	30	0.1303	0.0349	+++	1.8649	2.3464	1.4822
80-89	48	0.2952	0.0285	+++	2.1992	2.7766	1.7419
1990+	10	0.3147	0.0654	+++	2.2425	2.7460	1.8314

Table 14
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Ever Smoking and Current Smoking Combined
Top down analysis after estimated age included

Log Relative risk
WEIGHTED on Weight

		Estimate	S.E.	P	RR	95%CIl	95%CIu
: CHD type							
Fatal	100	Aliased					
Nonfatal	16	0.0360	0.0864	N.S.	1.6970	2.0108	1.4321
Both	37	-0.1851	0.0291	---	1.3604	1.7170	1.0778
Prospective							
CaseCont	28	Aliased					
Prosp	125	0.3482	0.0695	+++	2.3188	2.8243	1.9037
DOERKE1968							
No	151	Aliased					
Yes	2	1.2997	0.2505	+++	6.0046	3.9122	9.2162
Smoking Status							
Ever Smoker	16	Aliased					
Current Smoker	137	0.0547	0.0323	(+)	1.7291	2.1788	1.3722

Table 15
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Ever Smoking and Current Smoking Combined
Look for effect over countries or flue cured versus blended cigarettes

Log Relative risk
WEIGHTED on Weight

		Deviance	(DF)				
Model 1		2385.8180	(152)				
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.6067	0.0067	+++	1.8345	1.8107	1.8585
		Deviance	(DF)	Drop Dev	P		
Model 2		1032.1731	(139)	1353.6448	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.5686	0.0142	+++	1.7657	1.7174	1.8154
Est 5-Yr Age Group							
60-64	11	Aliased					
30-34	5	2.0333	0.1041	+++	13.4891	11.0212	16.5097
35-39	6	0.6260	0.0771	+++	3.3020	2.8461	3.8310
40-44	12	0.5630	0.0347	+++	3.1004	2.9138	3.2990
45-49	15	0.0794	0.0340	+	1.9117	1.7993	2.0312
50-54	21	0.3190	0.0225	+++	2.4292	2.3472	2.5140
55-59	15	0.0548	0.0239	+	1.8653	1.7963	1.9369
65-69	16	-0.0693	0.0219	--	1.6475	1.5942	1.7025
70-74	15	-0.0690	0.0246	--	1.6479	1.5841	1.7143
75-79	14	-0.2031	0.0294	---	1.4412	1.3703	1.5158
80-84	7	-0.2976	0.0483	---	1.3112	1.1978	1.4353
85-89	6	-0.2742	0.0364	---	1.3423	1.2569	1.4335
90-94	6	-0.3525	0.0605	---	1.2412	1.1061	1.3929
95+	4	-0.5024	0.0906	---	1.0684	0.8965	1.2732
		Deviance	(DF)	Drop Dev	P		
Model 3		1004.7774	(138)	27.3958	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.5686	0.0142	+++	1.7657	1.7174	1.8154
Est 5-Yr Age Group							
60-64	11	Aliased					
30-34	5	1.5985	0.1332	+++	8.7326	6.7366	11.3199
35-39	6	0.6260	0.0771	+++	3.3020	2.8461	3.8310
40-44	12	0.5630	0.0347	+++	3.1004	2.9138	3.2990
45-49	15	0.0794	0.0340	+	1.9117	1.7993	2.0312
50-54	21	0.3190	0.0225	+++	2.4292	2.3472	2.5140
55-59	15	0.0548	0.0239	+	1.8653	1.7963	1.9369
65-69	16	-0.0693	0.0219	--	1.6475	1.5942	1.7025
70-74	15	-0.0690	0.0246	--	1.6479	1.5841	1.7143
75-79	14	-0.2031	0.0294	---	1.4412	1.3703	1.5158
80-84	7	-0.2976	0.0483	---	1.3112	1.1978	1.4353
85-89	6	-0.2742	0.0364	---	1.3423	1.2569	1.4335
90-94	6	-0.3525	0.0605	---	1.2412	1.1061	1.3929
95+	4	-0.5024	0.0906	---	1.0684	0.8965	1.2732
DOERKE1968							
No	151	Aliased					
Yes	2	1.1045	0.2110	+++	5.3284	3.5268	8.0503
		Deviance	(DF)	Drop Dev	P		
Model 4		926.4239	(136)	78.3535	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.5559	0.0142	+++	1.7436	1.6956	1.7929

Table 15
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Ever Smoking and Current Smoking Combined
Look for effect over countries or flue cured versus blended cigarettes

Log Relative risk
WEIGHTED on Weight

		Estimate	S.E.	P	RR	95%CIl	95%CIu
Est 5-Yr Age Group							
60-64	11	Aliased					
30-34	5	1.4635	0.1340	+++	7.5343	5.8023	9.7833
35-39	6	0.5919	0.0772	+++	3.1514	2.7158	3.6568
40-44	12	0.5287	0.0349	+++	2.9584	2.7792	3.1491
45-49	15	0.0703	0.0341	+	1.8705	1.7604	1.9874
50-54	21	0.2849	0.0229	+++	2.3183	2.2384	2.4010
55-59	15	0.0506	0.0239	+	1.8340	1.7662	1.9043
65-69	16	-0.0911	0.0221	---	1.5918	1.5400	1.6453
70-74	15	-0.1012	0.0249	---	1.5758	1.5139	1.6402
75-79	14	-0.2456	0.0298	---	1.3638	1.2957	1.4356
80-84	7	-0.3467	0.0486	---	1.2327	1.1254	1.3502
85-89	6	-0.2806	0.0366	---	1.3170	1.2327	1.4070
90-94	6	-0.4151	0.0609	---	1.1513	1.0251	1.2930
95+	4	-0.5616	0.0909	---	0.9944	0.8340	1.1856
DOERKE1968							
No	151	Aliased					
Yes	2	1.1112	0.2110	+++	5.2971	3.5060	8.0033
Sex (RR)							
male	89	Aliased					
female	59	0.1485	0.0169	+++	2.0228	1.9868	2.0594
combined	5	0.1239	0.0836	N.S.	1.9735	1.6791	2.3194
		Deviance	(DF)	Drop Dev	P		
Model 5		924.0285	(134)	2.3954	N.S.		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.5567	0.0142	+++	1.7448	1.6968	1.7942
Est 5-Yr Age Group							
60-64	11	Aliased					
30-34	5	1.4921	0.1353	+++	7.7584	5.9595	10.1004
35-39	6	0.5964	0.0840	+++	3.1680	2.6936	3.7259
40-44	12	0.5355	0.0431	+++	2.9806	2.7523	3.2278
45-49	15	0.0971	0.0383	+	1.9227	1.7935	2.0614
50-54	21	0.3017	0.0253	+++	2.3592	2.2644	2.4580
55-59	15	0.0533	0.0240	+	1.8403	1.7720	1.9112
65-69	16	-0.0904	0.0224	---	1.5940	1.5409	1.6490
70-74	15	-0.0970	0.0251	---	1.5835	1.5207	1.6489
75-79	14	-0.2457	0.0298	---	1.3648	1.2965	1.4367
80-84	7	-0.3470	0.0486	---	1.2333	1.1259	1.3509
85-89	6	-0.2743	0.0368	---	1.3262	1.2408	1.4176
90-94	6	-0.4157	0.0609	---	1.1513	1.0251	1.2931
95+	4	-0.5355	0.0924	---	1.0214	0.8540	1.2216
DOERKE1968							
No	151	Aliased					
Yes	2	1.1170	0.2112	+++	5.3318	3.5280	8.0578
Sex (RR)							
male	89	Aliased					
female	59	0.1484	0.0173	+++	2.0241	1.9857	2.0632
combined	5	0.1373	0.0841	N.S.	2.0016	1.7015	2.3545
: CHD type							
Fatal	100	Aliased					
Nonfatal	16	-0.0057	0.0373	N.S.	1.7350	1.6216	1.8562
Both	37	-0.0350	0.0226	N.S.	1.6848	1.6278	1.7439
		Deviance	(DF)	Drop Dev	P		
Model 6		592.7536	(130)	331.2749	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.6849	0.0295	+++	1.9836	1.8722	2.1017

Table 15
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Ever Smoking and Current Smoking Combined
Look for effect over countries or flue cured versus blended cigarettes

Log Relative risk
WEIGHTED on Weight

		Estimate	S.E.	P	RR	95%CIl	95%CIu
Est 5-Yr Age Group							
60-64	11	Aliased					
30-34	5	1.3117	0.1418	+++	7.3638	5.6114	9.6633
35-39	6	0.5877	0.0934	+++	3.5702	3.0007	4.2478
40-44	12	0.4574	0.0444	+++	3.1342	2.9370	3.3445
45-49	15	0.0901	0.0406	+	2.1707	2.0551	2.2929
50-54	21	0.1638	0.0283	+++	2.3366	2.3754	2.2984
55-59	15	0.0360	0.0241	N.S.	2.0564	2.1262	1.9889
65-69	16	-0.1521	0.0231	---	1.7038	1.7662	1.6435
70-74	15	-0.2194	0.0287	---	1.5929	1.6141	1.5720
75-79	14	-0.4060	0.0321	---	1.3217	1.2891	1.3551
80-84	7	-0.5124	0.0502	---	1.1883	1.0973	1.2869
85-89	6	-0.2374	0.0371	---	1.5644	1.4970	1.6349
90-94	6	-0.6461	0.0625	---	1.0396	0.9331	1.1582
95+	4	-0.5003	0.0925	---	1.2027	1.0129	1.4282
DOERKE1968							
No	151	Aliased					
Yes	2	1.3650	0.2156	+++	7.7675	5.1108	11.8050
Sex (RR)							
male	89	Aliased					
female	59	0.0916	0.0178	+++	2.1738	2.2763	2.0759
combined	5	0.0173	0.0860	N.S.	2.0183	1.7228	2.3644
: CHD type							
Fatal	100	Aliased					
Nonfatal	16	-0.2559	0.0584	---	1.5357	1.3911	1.6953
Both	37	-0.1104	0.0232	---	1.7763	1.8409	1.7139
Grouped Mid-Year Study or Final Follow-up							
1970-79	30	Aliased					
Pre 1960	24	-0.1704	0.0282	---	1.6729	1.7019	1.6444
60-69	41	-0.0665	0.0263	-	1.8561	1.9052	1.8082
80-89	48	0.2210	0.0259	+++	2.4741	2.5435	2.4066
1990+	10	0.2543	0.0576	+++	2.5579	2.3218	2.8181

	Deviance	(DF)	Drop Dev	P
Model 7	561.5403	(129)	31.2133	***

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.7079	0.0298	+++	2.0298	1.9146	2.1518
Est 5-Yr Age Group						
60-64	11	Aliased				
30-34	5	1.5793	0.1496	+++	9.8477	7.3877	13.1268
35-39	6	0.6171	0.0936	+++	3.7622	3.1616	4.4767
40-44	12	0.4551	0.0444	+++	3.1994	2.9997	3.4124
45-49	15	0.0861	0.0406	+	2.2124	2.0957	2.3355
50-54	21	0.1735	0.0283	+++	2.4144	2.4582	2.3713
55-59	15	0.0363	0.0241	N.S.	2.1048	2.1783	2.0338
65-69	16	-0.1539	0.0231	---	1.7403	1.8056	1.6772
70-74	15	-0.2236	0.0287	---	1.6231	1.6484	1.5983
75-79	14	-0.4123	0.0322	---	1.3440	1.3125	1.3763
80-84	7	-0.5144	0.0502	---	1.2135	1.1210	1.3137
85-89	6	-0.2305	0.0371	---	1.6120	1.5435	1.6835
90-94	6	-0.6482	0.0625	---	1.0615	0.9531	1.1823
95+	4	-0.4995	0.0925	---	1.2317	1.0375	1.4623
DOERKE1968							
No	151	Aliased					
Yes	2	1.4763	0.2165	+++	8.8834	5.8349	13.5245
Sex (RR)							
male	89	Aliased					
female	59	0.0916	0.0178	+++	2.2245	2.3310	2.1228
combined	5	0.2156	0.0930	+	2.5181	2.1187	2.9929
: CHD type							
Fatal	100	Aliased					
Nonfatal	16	0.0828	0.0842	N.S.	2.2050	1.8896	2.5730
Both	37	-0.1116	0.0232	---	1.8155	1.8833	1.7502

Table 15
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Ever Smoking and Current Smoking Combined
Look for effect over countries or flue cured versus blended cigarettes

Log Relative risk
WEIGHTED on Weight

		Estimate	S.E.	P	RR	95%CIl	95%CIu
Grouped Mid-Year Study or Final Follow-up							
1970-79	30	Aliased					
Pre 1960	24	-0.1939	0.0285	---	1.6719	1.7008	1.6436
60-69	41	-0.0875	0.0266	--	1.8597	1.9094	1.8114
80-89	48	0.2000	0.0262	+++	2.4793	2.5493	2.4111
1990+	10	0.2794	0.0577	+++	2.6840	2.4361	2.9571
CC v Prospective							
Prosp	125	Aliased					
CaseCont	28	-0.3798	0.0680	---	1.3884	1.2317	1.5650
		Deviance	(DF)	Drop Dev	P		
Model 8		485.0935	(123)	76.4468	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.7920	0.0516	+++	2.2077	1.9952	2.4429
Est 5-Yr Age Group							
60-64	11	Aliased					
30-34	5	1.6275	0.1515	+++	11.2394	8.5020	14.8583
35-39	6	0.6942	0.0953	+++	4.4199	3.7780	5.1709
40-44	12	0.4902	0.0446	+++	3.6046	3.7930	3.4255
45-49	15	0.1529	0.0416	+++	2.5726	2.7317	2.4227
50-54	21	0.1450	0.0324	+++	2.5521	2.7615	2.3586
55-59	15	0.0410	0.0243	(+)	2.3001	2.5151	2.1035
65-69	16	-0.1396	0.0232	---	1.9201	2.1017	1.7541
70-74	15	-0.2237	0.0305	---	1.7653	1.9155	1.6268
75-79	14	-0.4032	0.0331	---	1.4752	1.5944	1.3649
80-84	7	-0.4815	0.0505	---	1.3641	1.3933	1.3355
85-89	6	-0.3222	0.0465	---	1.5996	1.6719	1.5304
90-94	6	-0.6044	0.0628	---	1.2063	1.1247	1.2939
95+	4	-0.4420	0.0938	---	1.4190	1.2171	1.6544
DOERKE1968							
No	151	Aliased					
Yes	2	1.2596	0.2494	+++	7.7798	4.8230	12.5492
Sex (RR)							
male	89	Aliased					
female	59	0.0993	0.0182	+++	2.4383	2.6806	2.2180
combined	5	0.1944	0.1007	(+)	2.6815	2.2635	3.1767
: CHD type							
Fatal	100	Aliased					
Nonfatal	16	0.0378	0.0864	N.S.	2.2927	2.0018	2.6259
Both	37	-0.1818	0.0290	---	1.8408	2.0016	1.6929
Grouped Mid-Year Study or Final Follow-up							
1970-79	30	Aliased					
Pre 1960	24	-0.1458	0.0337	---	1.9083	2.0603	1.7675
60-69	41	-0.0571	0.0304	(-)	2.0852	2.2630	1.9215
80-89	48	0.1715	0.0330	+++	2.6207	2.8328	2.4245
1990+	10	0.1949	0.0603	++	2.6828	2.5243	2.8512
CC v Prospective							
Prosp	125	Aliased					
CaseCont	28	-0.3639	0.0689	---	1.5342	1.4032	1.6774
Country							
Denmark	3	Aliased					
Netherlands	6	-0.0330	0.1258	N.S.	2.1360	1.7058	2.6746
Germany	5	0.1012	0.1360	N.S.	2.4427	1.9091	3.1256
Austria	0	Aliased					
USA	100	-0.1217	0.0541	-	1.9548	1.8938	2.0177
UK	20	0.0009	0.0593	N.S.	2.2098	2.0868	2.3401
Canada	12	-0.2341	0.0722	--	1.7468	1.5825	1.9283
Australia	7	0.1518	0.0793	(+)	2.5696	2.2839	2.8911
		Deviance	(DF)	Drop Dev	P		
Model 8		548.6281	(128)	12.9122	***		
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.8036	0.0400	+++	2.2336	2.0653	2.4156

Table 15
IESHD - Meta-analysis of Smoking and CHD
CHD: Fatal, non-fatal or both
Linear Regression

Ever Smoking and Current Smoking Combined
Look for effect over countries or flue cured versus blended cigarettes

Log Relative risk
WEIGHTED on Weight

		Estimate	S.E.	P	RR	95%CIl	95%CIu
Est 5-Yr Age Group							
60-64	11	Aliased					
30-34	5	1.5795	0.1496	+++	10.8387	8.1702	14.3789
35-39	6	0.6512	0.0941	+++	4.2838	3.6252	5.0620
40-44	12	0.4563	0.0444	+++	3.5253	3.3944	3.6612
45-49	15	0.1007	0.0408	+	2.4703	2.4298	2.5115
50-54	21	0.1422	0.0296	+++	2.5749	2.7137	2.4432
55-59	15	0.0336	0.0241	N.S.	2.3099	2.4588	2.1701
65-69	16	-0.1567	0.0231	---	1.9096	2.0357	1.7914
70-74	15	-0.2308	0.0288	---	1.7733	1.8723	1.6796
75-79	14	-0.4334	0.0327	---	1.4480	1.5147	1.3842
80-84	7	-0.5176	0.0503	---	1.3311	1.2539	1.4130
85-89	6	-0.2894	0.0406	---	1.6724	1.6494	1.6957
90-94	6	-0.6483	0.0625	---	1.1680	1.0629	1.2834
95+	4	-0.4677	0.0929	---	1.3992	1.1871	1.6492
DOERKE1968							
No	151	Aliased					
Yes	2	1.5008	0.2166	+++	10.0180	6.6002	15.2055
Sex (RR)							
male	89	Aliased					
female	59	0.0850	0.0179	+++	2.4318	2.6081	2.2674
combined	5	0.2337	0.0932	+	2.8215	2.3925	3.3274
: CHD type							
Fatal	100	Aliased					
Nonfatal	16	0.0383	0.0851	N.S.	2.3208	2.0029	2.6891
Both	37	-0.1460	0.0251	---	1.9302	2.0515	1.8161
Grouped Mid-Year Study or Final Follow-up							
1970-79	30	Aliased					
Pre 1960	24	-0.2038	0.0286	---	1.8217	1.9241	1.7248
60-69	41	-0.0849	0.0266	--	2.0517	2.1752	1.9352
80-89	48	0.1943	0.0262	+++	2.7127	2.8778	2.5570
1990+	10	0.2272	0.0595	+++	2.8033	2.5711	3.0565
CC v Prospective							
Prosp	125	Aliased					
CaseCont	28	-0.3730	0.0680	---	1.5383	1.3810	1.7134
Flue Cured v Blended							
Flue cured	39	Aliased					
Blended	114	-0.0891	0.0248	---	2.0433	2.1727	1.9215