MORTALITY FROM SMOKING-ASSOCIATED DISEASES

IN GREAT BRITAIN

A statistical analysis of British data from the

U.S.A.-U.K.-Norway migrant study

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SUMMARY

Mortality from four major smoking-associated diseases, lung cancer, coronary heart disease, chronic non-specific lung disease and stroke, and also from all other causes combined and all causes combined, has been studied in two samples from a prospective study. A total of 17,696 people completed questionnaires at ages 35-69 in 1964/5, 3,170 of which had died by October 1977.

Mortality from all causes except stroke was higher in cigarette smokers than in those who had never smoked over the whole of the follow-up period.

Only for lung cancer was a significantly increased mortality seen in heavy smokers compared with lighter smokers.

No relationship between mortality from any cause and age of starting to smoke or inhalation was seen.

South mortality of smokers of filter cigarette smokers was 14% less than that of plain smokers, mainly due to differences in stroke and coronary heart disease mortality.

Total mortality was 20% higher in social classes IV or V than in social classes I or II, though no clear difference was seen for any individual cause of death.

Mortality was not strongly related to degree of urbanization, though in "truly rural" areas, less lung cancer and chronic non-specific lung disease, but more stroke was seen than in conurbations.

Overall mortality was not significantly related to obesity, a higher mortality from coronary disease among fatter people being balanced by a lower mortality from other causes.

Mortality from all causes was almost twice as high in those taking no exercise as in those taking heavy exercise.

The relationships seen between cardiorespiratory symptom prevalence and mortality were similar to those reported by Todd, Hunt and Lambert (1973), based on results for one of the samples, except that their finding that the association between chest pain and coronary mortality was stronger earlier in the follow-up period than later in it was not repeated for the other sample. Additional results presented show an association between claudication and mortality and a general consistency of the relationships between symptom prevalence and mortality among differing social class, urbanization or exercise groups.

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I Variable names, brief variable definitions and frequency distributions

- II Detailed definitions of specific variables
- III Definition of factors used for crosstabulations
- IV Index to crosstabulations produced

1. INTRODUCTION

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Reid (1966) has described the U.S.A.-U.K.-Norway collaborative study on migrants. Two of the samples used in the study were of populations resident in Great Britain and this paper is restricted to results from these samples only.

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One sample, the <u>SIBLINGS</u> sample, consisted of brothers or sisters of British born migrants to the United States. The other, the <u>POPULATION</u> sample, was a nationally representative survey selected by a randomised procedure (Lambert and Reid, 1970) in which the sampling fraction in Scotland was increased to four times that in England and Wales, so that the sample should approximately match the constitution of the sample of British migrants to the U.S.A.

Details of response rates and time of interview are given elsewhere (Lambert and Reid (1970); Todd, Hunt and Lambert (1978)) and will not be elaborated on here. Suffice it to say that the data transferred from Prof. G.A. Rose's department at the London School of Hygiene and Tropical Medicine to the Tobacco Advisory Council for statistical analysis consisted of self-completion questionnaire data on 8,264 siblings aged 35+ obtained around April 1964 and 10,063 of the population sample aged 35-69 obtained around May 1965 together with information on any deaths in either sample occurring before October 1977.

The statistical analyses described here concentrate on mortality from smoking-associated diseases and factors related to this. For this reason, our analysis concerns itself only with selected variables from the full data available. These variables include cause and date of death, smoking habits, presence of cardiorespiratory symptoms, social class, area of residence, obesity and exercise. The analyses carried out were quite extensive and the full results are excessively spaceconsuming. The purpose of this report, therefore, is to describe the method of analysis and to summarise the findings. The full tabular material available is made clear and interested readers wishing to pursue any finding in more detail are welcome to refer to the computer output, copies of which are held at Glen House and at the London School of Hygiene. This report is not intended to be an interpretative document and reference is not made to findings from other workers. It is essentially a condensation of computer output intended to serve as a reference document. Some of the results described here for the population and the stand of the state of the state

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sample have already been used as the basis of a paper "Four cardiorespiratory symptoms as predictors of mortality" (Todd, Hunt and Lambert (1978)).

2. METHOD

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2.1 Data extracted

Using magnetic data tapes supplied by the London School of Hygiene, a data file consisting of 53 variables for each person was created for each sample. A brief description and definition of each of the variables preserved for analysis, together with their frequency distribution (separately for males and females) is given as Appendix I. For the siblings, Appendix I contains frequency distributions not only for the whole sample aged 35 or over but also, for comparability with the population sample, for those in the age range 35-69 at time of interview. For some variables, a more detailed definition is given in Appendix II.

2.2 Crosstabulations produced

The next stage in the analysis was to produce a number of crosstabulations of the data. Some of these were stored on disc for further analysis, whilst others were simply printed. A preliminary stage before the production of crosstabulations was the definition of a list of 33 "factors". These factors represented all the discrete categorizations of the data into two or more levels (e.g. for factor "sex", level 1 = male, level 2 = female) that would be required for the crosstabulations and the definition of the factor list is given in Appendix III. An index of the tables produced is presented as Appendix IV. It will be seen from these tables that a number of the 53 variables held on file are not used in any crosstabulations. No results for these variables are therefore reported in this document (except see section 3.12).

2.3 Significance tests

Using the stored tabulations described in Appendix IV as input data, a specially written program was used to carry out significance tests of associations between various factors and various causes of death, after standardising for various combinations of confounding variables such as age and smoking habits. In each analysis the follow-up period was split into small time intervals and, within each interval, the observed number of deaths occurring at each age/smoking habit group (or other strata if different confounding variables were chosen) were compared with the number expected assuming that the factor had no association with the cause of death concerned. Total observed and total expected numbers were then calculated over all intervals and age/smoking habit groups, and the significance of their deviation tested by a chi-squared statistic as described by Peto and Pike (1973) using the method of Cox (1972). Results are then conveniently expressed by presenting for each level of the factor the ratio of the total observed to total expected multiplied by 100. This form of the relative death rate is analogous to the standardised mortality ratio.

The results from these significance tests are summarised in section 3, which considers findings relevant to each of the main variables in turn. In most of the analyses significance tests are given separately related to risk of death from lung cancer, CHD, CNSLD, stroke, other causes and all causes. All the analyses consider each sex separately and most are based on the full follow-up period, the time interval being split into approximate 2 year intervals for the analyses. Most results quoted for non-smoking characteristics are based on risks standardised for age and a three level broad smoking group (never smoked, current cigarettes and sthers). Those for smoking characteristics are based normally on risks standardised for age and number of cigarettes smoked. Where analyses differ from the normal situation described above this is made clear in the text.

Though the crosstabulations produced for the siblings contain data on people aged 70 or over at time of entry, these people have been <u>excluded</u> from all the results presented here, so as to make comparison of the population and sibling samples direct. The number aged 70+ in the sibling sample, 631, is in any case only 7.5% of the total sibling sample and 3.4% of the overall sample.

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3. RESULTS

3.1 Overall mortality

Survival by year of follow-up is summarised in Table 1. As can be seen survival in the siblings sample is very similar to that in the population sample. In each sample, the proportion of males dying over the full follow-up period is about 60% greater than the proportion of females dying.

Mortality by cause of death is summarised in Table 2. In both samples numbers of deaths from the four main causes of interest form about 62% of male deaths and 45% of female deaths. Deaths from coronary heart disease outnumber deaths from lung cancer, CNSLD and stroke combined in both sexes. Total numbers of deaths in females from lung cancer and from CNSLD are much smaller than for any other sex/cause grouping.

3.2 Age at entry

The age distribution of the samples is given in Table 3. Compared with the population sample, the siblings, in both sexes, show a relative deficiency of people in the age group 35-39 and to a lesser extent in the age group 40-44, but ohterwise a fairly similar distribution.

Mortality by age at entry is given in Table 4. In males mortality from all causes considered rises steeply and highly significantly with age. This is also true for females for all causes combined, coronary heart disease, stroke, CNSLD and the other causes group. For lung cancer, though deaths are rather few, there seems evidence of a flattening off of the curve above the age group 45-54, rates in the 65-69 age group showing no increase above those of 55-64 year old females.

3.3 Smoking group

The distribution of the population into a 12 group smoking categorization is given in Table 5. The two samples show very similar distributions. Compared with males, females contain more people who have never smoked, less cigarette smokers (especially heavy smokers), virtually no pipe or cigar smokers, fewer ex-smokers and more who did not state their smoking habits.

In comparing mortality of different smoking groups it is useful to be aware of differences in age distributions of the groups being compared. To illustrate this Table 6 gives the percentage of older people (55 or

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over at time of entry) in the smoking groups. In males, pipe and cigar smokers, ex smokers and not knowns tend to be older than current cigarette smokers and those who have never smoked who are of similar age. In females on the other hand current cigarette smokers are considerably younger and ex-smokers somewhat younger than those who have never smoked. In both sexes heavier cigarette smokers tend to be younger than lighter cigarette smokers.

Mortality by these detailed smoking groups and by two sets of broader groups are given in Table 7. Mortality was significantly higher in cigarette smokers than in those who had never smoked for all causes combined, lung cancer, coronary heart disease, CNSLD but not for stroke. Mortality from other causes was also higher in cigarette smokers in each of the four sex/sample combinations but in no case was this statistically significant.

Mortality by amount smoked, for current cigarette only smokers, is summarised in Table 8. Only for lung cancer in the male population sample was any significant difference seen between mortality at the four levels of smoking considered, though in general mortality tended to be higher in the 20+ a day smokers than in those smoking less than 10 a day.

As there is no doubt that a substantial proportion of the populations studied will have changed their smoking habits at some point during the follow-up period it is of some interest to see how smoking category as determined at entry predicts mortality during different periods of the study. Analyses were therefore carried out for various follow-up periods for each cause of death. The results are too lengthy (and often based on too small numbers) to be worth giving in full here. Table 9, therefore, simply gives all cause mortality by smoking group for the first 5 years of the study and for the remaining period. It is interesting to note that smoking tends to be better correlated with mortality in the latter "half" of the follow-up period than in the former. In particular the trends of mortality with amount smoked for current cigarette only smokers are more clearly marked in the latter "half" of the study. This may be related to the fact that heavy smokers may cut down when ill.

3.4 Age of starting to smoke

About half of the current cigarette smoking males studied started smoking at ages 16-19 with 30% starting younger. By contrast half the

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females started at 20 or later with only 10% starting below age 16 (Table 10).

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In males there is little relationship between age and age of starting to smoke, but in females women starting at age 19 or less tend to be markedly younger than later starting women. In both sexes people starting to smoke earlier tended to smoke more heavily than people starting later (Table 11).

After standardising for age and number of cigarettes smoked no significant relationship between age of starting to smoke and mortality was seen (Table 12).

3.5 Inhalation

86% of male and 65% of female current cigarette smokers said they inhaled (Table 13). Inhalers tended to be younger and to smoke more than noninhalers (Table 14). No significant relationship between inhalation and mortality was seen (Table 15).

3.6 Type of cigarette

In the male population sample, 40% of current cigarette smokers smoked only filter cigarettes and 40% only plain, 14% smoking hand-rolled and 6% mixed. In the male sibling sample, which was studied over a year earlier when the market was switching rapidly from plain to filter, 51% smoked plain and 30% filter. Hardly any females smoked hand-rolled cigarettes and of the rest the majority smoked filter, as for males the proportion being higher for the population sample (69%) than for the sibling sample (60%) (Table 16).

Compared with male plain smokers, male filter smokers were very slightly younger, smoked slightly less, inhaled slightly less and were less likely to have started to smoke young. Similar differences were seen for females except that the difference in inhalation was more marked and no clear difference in age was seen. Hand-rolled smokers tended to smoke far fewer cigarettes than smokers of manufactured cigarettes.

After standardising for age, amount smoked, inhaling and age of starting to smoke there was some evidence, statistically significant in some cases, of a lower mortality of filter smokers compared with plain smokers (Table 18). As the differences are fairly small, Table 19 gives combined estimates for both sexes and both studies for each cause of death. As

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3.7 Social class

The social class distributions of the study populations are given in Table 20. There is little relationship between social class and age, but, in males only, there is a tendency for people in lower social classes to be current digarette smokers more often than people in higher social diserves (Table 21). Although within any study and sex, an association of all causes mortality with social class significant at the 95% confidence lower, is not seen (Table 22), when the results are combined the differences between mortality in the different social classes is significant (I or II R = 91, III R = 98, IV or V R = 109, p < 0.01). No clear trend is seen for any individual cause of death.

3.8 Urbanization

Table 23 gives the distribution of the study populations by urbanization. No relationship between age and urbanization is seen (Table 24) but there is a tendency for the proportion of current cigarette smokers to increase with increasing urbanization (Table 25).

The relationship between mortality and the Registrar General's main urbanization categories is shown in Table 26. Although in some cases particular sexes in particular studies show significant differences between mortality in different urbanization categories no cause of death shows any significant relationship to urbanization when the results are accumulated over both studies and both sexes.

Table 26 also gives results for the 165 people found to live in "truly rural" areas. Combining results for the comparison with conurbations for both studies and both sexes it is interesting to note that for lung cancer and CNSLD combined, no deaths were observed in truly rural areas as against 3.25 expected (p < 0.05 using Poisson assumptions) whilst for stroke 8 deaths were observed compared with 2.39 expected, a highly significant excess (p < 0.005).

3.9 Obesity

The restribution of the samples by obesity index is given in Table 27.

Women have a higher proportion with index less than 23 than men, though a similar proportion with index 28 or over. Fatter women tend to be markedly older than thinner women and to be less likely to be smokers. Whilst the relationship between obesity and smoking holds for men also, that between obesity and age is far less clear for men (Table 28).

Overall mortality varies little by obesity index (Table 29). This overall balance conceals a consistently lower coronary heart disease mortality and higher mortality from other causes amongst thinner people with the reverse situation true for fatter people. Both trends are highly significant when studies and sexes are combined.

3.10 Exercise

In both sexes 60% or more claim to take a "moderate" amount of exercise. Nore men (13% or so) take heavy exercise than women (5%) (Table 30). In women heavier exercisers tend to be markedly younger and to smoke more orten than lighter exercisers. The relationship between exercise and age can also be seen for men but, in contrast, smoking does not seem related to exercise in men (Table 31).

Some very marked relationships between mortality and amount of exercise taken can be seen in Table 32. Of course, illness preceding mortality may have been an important reason why people took little or no exercise.

3.11 Cardiorespiratory symptoms

Table 33 gives the percentage of people having each one of six different symptoms or syndromes. With the exception of angina, where rates were similar in both sexes, men tended to have higher symptom rates than women. Symptom prevalence was very similar in the population and siblings studies.

For any of the six symptoms, symptom-positive men are older on average than symptom-negative men. This difference in ages between those with and those without symptoms was not clear for persistent cough and phlegm, chronic bronchitis syndrome or claudication in women (Table 34).

A clear relationship between respiratory symptoms and smoking can be seen for both sexes. No relationship to smoking was seen for cardiovascular symptoms, with the exception of claudication (Table 35).

The ability of symptoms to predict subsequent mortality is illustrated in Table 36. The relative mortality of those with symptoms to those without for the population sample has been presented previously in Table 8 of Todd, Hunt and Lambert (1978) except that claudication was not studied there.

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The results for the sibling sample are broadly consistent with those reported for the population sample and the main conclusions are summarised by Todd, Hunt and Lambert. Claudication is related to mortality from all causes, from coronary heart disease and from the "other causes" group in men. There is some indication of an association with "other causes" mortality in women but no relationship between claudication and coronary mortality.

Todd, Hunt and Lambert (their Table 9) also studied how the association of CHD and all causes mortality with symptoms changed during the followup period. They did not include CNSLD because there were so few deaths from this cause in persons without symptoms, and excluded lung cancer and stroke because the symptomatic associations were anyway relatively weak. Our Table 37 presents similar results for the siblings sample as well as giving those for the population sample. The conclusion previously reached, that the association between chest pain and death from CHD mortality was much stronger in the first period of follow-up than in the later period was not confirmed in the results from the siblings sample. No more detailed analysis studying shorter follow-up periods is given here but the material is available for such analysis as required.

Some of the association between cardiorespiratory symptom prevalence and mortality may in theory be due to a joint association of another factor with both symptoms and death. In the final set of tables presented in this report this possibility is investigated. Firstly, Table 38 gives symptom prevalence rates by three factors considered, social class, urbanization and exercise. Respiratory symptoms in men are more common in the lower social classes, in those who take less exercise and in those living in more urban areas. The relationship with urbanization is also apparent for women but those with social class and exercise are less clear. In general trends with respect to the chronic bronchitis syndrome were rather clearer than with respect to the more common persistent cough and phlegm symptom. Respiratory symptom prevalences are also presented for those people living in truly rural areas. With one minor exception these rates were lower than in any of the three main urbanization groups.

In men, but not in women, cardiovascular symptoms were more common in those who took less exercise. In both sexes, angina, and to some extent claudication, but not infarction, was more common in the lower social classes. All three cardiovascular symptoms were less common in men living in rural areas but this relationship was only evident for angina in women.

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Next the relative mortality of those with symptoms as compared with those without was computed for people lying in social class, exercise and urbanization groups. Though these calculations were in fact made for each symptom and each cause of death, results are only presented in Table 39 for the chronic bronchitis syndrome and angina, the two symptoms showing the clearest and most consistent association with these factors in Table 38 and for all causes and coronary disease mortality, where numbers of deaths were largest. In general, where relative mortality ratios are based on adequate numbers of deaths for meaningful comparison, the results show little variation within level of any of the three factors considered. Certainly the overall association between symptoms and mortality cannot be explained to more than a minor extent at most in terms of a joint association of symptoms and mortality with any of these three factors. These findings confirm the belief that these symptoms are independent predictors of increased mortality.

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3.12 Contributory causes of death

All the results quoted are based on the underlying cause of death. Information was also available on contributory causes of death and variables 49-52 (see Appendix 1) classified people as dying with any mention of one of the four main diseases considered, with no mention of that disease, or as surviving. In some previous work on the population sample only (results of which can be inspected on request) using somewhat different smoking groups, relative mortality standardised for age and smoking of symptom-positives and symptom-negatives was calculated for "any mention" of disease. Results were so similar to those for underlying cause of death that they are not presented separately here. This was perhaps not very surprising since, for lung cancer, heart disease and stroke, mentions as underlying cause formed 96%, 895 and 80% respectively of cases of any mention of the disease, and for CNSLD, though underlying causes formed only 53% of the total mentions, numbers of deaths were rather small to pick up any significant difference even if one existed. 4. ERRATUM

Due to an error in the program that translated the data from the London School of Hygiene magnetic tape onto the ICL computer used for these analyses, smokers starting to smoke at ages 22 or 29 were coded incorrectly as not known. This meant that results relating to those starting to smoke at age 20+ (Tables 10-12) were based on slightly less people than were actually observed in the study. It was not felt justified to rerun these analyses given the labour involved and the minor difference it would make to the answers.

Some of the frequencies given in Appendix 1 for other variables that were not used in the main analysis which could take values 22 or 29 are also subject to minor errors. Variable 53 group 4, current regular smokers of 20 or more cigarettes a day, used in many analyses, is correct, however.

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5. ACKNOWLEDGEMENTS

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7. TABLES 1-39

Note that all results quoted in Tables 1-39 are concerned with those people aged 35-69 at entry.

Key to significance levels:

**** Overall difference between mortality ratios significant at the 99.9% confidence level (p < 0.001)

*** Significant at 99% confidence level (0.001

N.S. Not significant (p > 0.1)

Note that significance levels are based on the equivalent of an uncorrected chi-square and therefore, when expected numbers of deaths are low, may overestimate the true significance to some extent. Mortality ratios based on expected numbers of deaths less than 5 are bracketed to warn of a possible need to consider more precise estimation of significance levels. Actual expected numbers (E) can be calculated from the tables by the formula E = 100 D/R where D is deaths and R mortality ratio or can be read off the available computer output.

TABLE 1 Survival by year of follow-up

Numbers at risk (N) and percentage survivors (3)

	Males Pop			Males Sibs		les	Females		
	P	op	2	105	Pop		Si	bs	
	N	5%	<u>N</u>	8 <u>0</u>	<u>N</u>	. <u>o</u>	<u>N</u>	80	
At start	4770	100.0	3319	100.0	5293	100.0	4314	100.0	
After year									
1	4718	98.9	3293	99.2	5272	99.6	4293	99.5	
2	4659	97.7	3243	97.7	5243	99.1	4255	98.6	
3	4588	96.2	3196	96.3	5195	98.1	4219	97.8	
4	4516	94.7	3154	95.0	5145	97.2	4182	96.9	
5	4448	93.2	3109	93.7	5093	96.2	4140	96.0	
6	4377	91.8	3063	92.3	5054	95.5	4097	95.0	
7	4290	89.9	3016	90.9	4999	94.4	4063	94.2	
8	4189	87.8	2944	88.7	4950	93.5	4006	92.9	
9	4103	86.0	2877	86.7	4875	92.1	3956	91.7	
10	3995	83.8	2808	84.6	4790	90.5	3907	90.6	
11	3885	81.4	2729	82.2	4722	89.2	3849	89.2	
12	-	-	2645	79.7	-	-	3782	87.7	
At end	3732	78.2	2533	76.3	4590	86.7	3671	85.1	

Note: Follow-up period is 12 years 5 months for the population sample and 13 years 6 months for the sibling sample.

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TABLE 2 Mortality by cause of death

	Mal	es .	М	ales	Females		Females	
	Pc	p	S	ibs	P	op	Sibs	
	<u>N</u>		<u>N</u>	<u>, r</u>	<u>N</u>	0	<u>N</u>	0°
Cause of death								
Lung cancer	127	12.2	91	11.6	20	2.8	21	3.3
Coronary heart disease	377	36.3	265	33.7	181	25.7	155	24.1
CNSLD	60	5.8	41	5.2	8	1.1	15	2.3
Stroke	94	9.1	82	10.4	98	13.9	104	16.2
Others	380	36.6	307	39.1	396	56.3	348	54.1
Total	1038	100.0	786	100.0	703	100.0	643	100.0

Numbers of deaths (N) and percentage of total $(\frac{\pi}{2})$

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TABLE 3 Age at entry

				_		_	.		
	Mal	.es	Ma	ales	Fema	les	Fema	les	
	Po	p	Si	bs	Pc	p	Si	bs	
	N	<u>6</u>	<u>N</u>	6,0	<u>N</u>	<u>, 19</u>	<u>N</u>	<u>n</u> .0	
Age at entry									
35-39	718	15.1	351	10.6	719	13.6	427	9.9	
40-44	761	16.0	515	15.5	835	15.8	631	14.6	
45-49	673	14.1	489	14.7	715	13.5	627	14.5	
50-54	811	17.0	616	18.6	876	16.6	797	18.5	
55-59	761	16.0	603	18.2	881	16.6	716	16.6	
60-64	608	12.7	434	13.1	719	13.6	626	14.5	
65-69	438	9.2	311	9.4	548	10.4	490	11.4	
Total	4770	100.0	3319	100.0	5293	100.0	4314	100.0	

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Numbers at risk (N) and percentage distribution (%)

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TABLE 4 Age at entry

Numbers	s of dea	ths (D)	and uns	tandardi	sed mor	tality r	atios (<u>R)</u>
	lial	.es	Males		Fеша	les	Fema	les
	Pc	q	Si	bs	Ро	p	Si	bs
	D		D	R	D	R	D	R
Age at entry								
All causes								
35-44	94	27	49	22	44	20	45	27
45-54	229	68	185	68	145	67	138	63
55-64	478	171	378	165	309	149	284	146
65-69	237	310	174	293	205	315	176	268
		****		****		****		****
Lung cancer								
35-44	8	19	7	27	1	18	2	37
45-54	27	66	18	57	5	82	10	140
55-64	65	190	45	169	12	204	7	111
65-69	27	289	21	300	2	(108)	2	(93)
		****		****		**		N.S.
Coronary heart	diseas	e						
35-44	41	33	13	17	7	13	7	18
45-54	99	81	65	71	36	65	17	32
55-64	165	162	144	187	81	153	76	163
65-69	72	258	43	215	57	345	55	348
		****		****		****		****
CNSLD								
35-44	3	15	1	ę	0	(0)	0	(0)
45-54	15	78	10	71	0	(0)	3	59
55-64	28	173	19	158	4	(171)	10	(222)
65-69	14	(313)	11	(347)	4	(558)	2	(132)
		****		****		****		***

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TABLE 4 Age at entry (continued)

Number	s of dea	ths (D)	and uns	tandardi	sed mor	<u>tality r</u>	atios (1	<u>R)</u>		
	Mal	es	Ma	les	Fema	les	Fema	Females		
	50	р	Si	bs	Po	þ	Sibs			
	<u>a</u>	R	<u>D</u>	R	D	R	<u>D</u>	R		
Age at entry										
Stroke										
35-44	6	19	4	17	5	17	0	0		
45-54	5	16	13	46	16	53	21	59		
55-64	53	210	33	138	40	139	46	147		
65-69	30	433	32	521	37	412	37	353		
		****		****		****		****		
Other causes										
35-44	36	28	24	27	31	26	36	40		
45-54	83	68	79	74	88	73	87	74		
55-64	167	164	137	153	172	147	145	138		
65-69	94	339	67	290	105	284	80	224		
		****		****		****		****		

* p < 0.1, ** p < 0.05, *** p < 0.01, **** p < 0.001

N.S. not significant (p > 0.1)

Bracketed mortality ratios based on expected numbers of deaths of ${\scriptstyle <5}$

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TABLE 5 Smoking group

Numbers at risk (N) and percentage distribution (%)

	Males			Males Sibs		ales Op	Females Sibs	
	<u>N</u>	97)	<u>N</u>	.5	N	<u>~</u>	N	<u></u>
Smoking group								-
Never smoked Current cigarettes	520	10.9	347	10.5	2120	40.1	1694	39.3
<10 only	316	6.6	192	5.8	430	8.1	342	7.9
10-19	1023	21.4	673	20.3	718	13.6	606	14.0
20	487	10.2	364	11.0	259	4.9	212	4.9
20+	338	7.1	266	8.0	59	1.1	90	2.1
Amount NK	32	0.7	16	0.5	19	0.4	14	0.3
Pipe/cigar NK	310	6.5	200	6.0	400	7.6	299	6.9
Pipe/cigar also	189	4.0	164	4.9	8	0.2	3	0.1
Total current cigs.	2695	56. 5	1875	56.5	1893	35.7	1566	36.3
Pipe/cigar only	345	7.2	230	6.9	3	0.1	3	0.1
Ex cigarette	848	17.8	623	18.8	310	5.9	289	6.7
Ex pipe/cigar only	57	1.2	46	1.4	13	0.2	9	0.2
Not known	305	6.4	198	6.0	954	18.0	753	17.5
Total others	1555	32.6	1097	33.1	1280	24.2	1054	24.4
Total	4770	100.0	3319	100.0	5293	100.0	4314	100.0

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TABLE 6 Smoking group

Numbers (N) and	percent.	ages (%)	who ar	e aged 5	5 or ov	er	
	Mal	es	Ма	les	Females		Fema	les
	Pc	qq	Si	Sibs		р	Sibs	
	<u>N</u>	<u>c</u> , <u>'0</u>	<u>N</u>	<u>5</u>	<u>N</u>	ar	<u>N</u>	ر ي 1
Smoking group								
Never smoked	174	33.5	115	33.1	1038	49.0	877	51.8
Current cigarettes								
<10 only	126	39.9	71	37.0	119	27.7	98	28.7
10-19	367	35.9	259	38.5	161	22.4	153	25.2
20	149	30.6	129	35.4	69	26.6	51	24.1
20+	102	30.2	84	31.6	8	13.6	19	21.1
Amount NK	14	43.8	8	50.0	5	26.3	7	50.0
Pipe/cigar NK	131	42.3	81	40.5	115	28.8	93	31.1
Pipe/cigar also	86	45.5	74	45.1	1	12.5	0	0.0
Total current cigs.	975	36.2	706	37.7	478	25.3	421	26.9
Pipe/cigar only	152	44.1	112	48.7	2	66.7	2	66.7
Ex cigarette	358	42.2	295	47.4	104	33.5	103	35.6
Ex pipe/cigar only	17	29.8	23	50.0	6	46.2	5	55.6
Not known	131	43.0	97	49.0	520	54.5	424	56.3
Total others	658	42.3	527	48.0	632	49.4	534	50.7
Total	1807	37.9	1348	40.6	2148	40.6	1832	42.5

TABLE 7 Smoking groups

Numbers of de	aths (D) and mo	rtality	ratios	(R) sta	ndardise	d for a	<u>ge</u>
			All cau	ses				
	a.							
	Mal	es	Ма	les	Fema	les	Fena	les
	Po	р	Si	bs	Po	þ	Si	
	D	R	D	R	D	R	D	R
Smoking group								
Detailed group								
Never smoked	75	69	49	61	294	91	274	96
Current cigarettes								
<10 only	71	98	42	102	44	97	44	105
10-19	245	123	175	120	75	114	80	120
20	118	128	91	120	33	136	29	128
20+	77	121	65	124	6	113	13	135
Amount NK	10	125	6	186	2	(86)	1	(43)
Pipe/cigar NK	85	126	62	142	60	143	51	144
Pipe/cigar also	48	103	49	112	0	(0)	0	(0)
Pipe/cigar only	76	85	59	88	0	(0)	0	(0)
Ex cigarette	160	79	137	84	34	89	34	87
Ex pipe/cigar only	5	40	7	53	2	(113)	0	(0)
Not known	68	94	44	75	153	100	117	85
		****		****		*		**
Broad group 1								
Never smoked	75	69	49	61	294	91	274	96
Current cigarettes	654	119	490	121	220	118	218	122
Others	309	82	247	82	189	97	151	84
		****		****		***		****
Broad group 2								
Not smoking currently	235	75	186	75	328	91	308	91
Currently smoking	735	112	556	112	222	118	218	116
(anything)		****		****		***		***

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Numbers of d	eaths (D) and m	ortalit	y ratios	(R) st	andardise	d for	age
		. <u>L</u> 1	ung can	cer				
	Mal	es	Ma	les	Fema	les	Fema	les
	Pop		Sibs		Pop		Sibs	
	<u>D</u>	R	D	R	D	<u>R</u>	D	R
Smoking group								
Detailed group								
Never smoked	1	8	3	33	2	23	2	24
Current cigarettes								
<10 only	7	79	4	(83)	1	(75)	3	(178)
10-19	32	131	27	160	10	(486)	4	(144)
20	23	206	13	149	. 2	(243)	1	(98)
20+	19	243	11	184	0	(0)	2	(446)
Amount NK	0	(0)	1	(268)	0	(0)	0	(0)
Pipe/cigar NK	13	156	7	138	4	(311)	3	(216)
Pipe/cigar also	4	68	5	99	0	(0)	0	(0)
Pipe/cigar only	11	101	5	65	0	(0)	0	(0)
Ex cigarette	12	48	11	58	0	(0)	1	(75)
Ex pipe/cigar only	1	(67)	0	(0)	0	(0)	0	(0)
Not known	4	45	4	59	1	(23)	5	(130)
		****		***		****		N.S.
Broad group 1		•	-					
Never smoked	1	8	3	33	2	23	2	. 24
Current cigarettes	98	145	68	145	17	296	13	175
Others	28	60	20	57	1	19	6	114
		****		****		****		***
Broad group 2								
Not smoking currently	13	33	14	48	2	16	3	33
Currently smoking (anything)	110	132	78	126	17	249	13	188
		****	2	****		***		***
		ļ		V				

TABLE 7 Smoking groups (continued - 1)

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TABLE 7 Smoking groups (continued - 2)

		Coronai	y hear	t disease	-			
	Mal	es	Ma	les	Fema	les	Fema	les
	Ро	p.	Sibs		Po	р	Sibs	
	<u>D</u>	<u>R</u>	D	R	D	R	D	<u>R</u>
Smoking group								
Detailed group								
Never smoked	26	66	18	67	74	88	64	72
Current cigarettes								
<10 only	25	96	12	87	14	123	10	110
10-19	105	142	63	128	22	137	17	120
20	40	116	32	123	10	167	9	(199)
20+	31	130	27	148	2	(152)	3	(159)
Amount NK	2	(73)	2	(190)	1	(166)	0	(0)
Pipe/cigar NK	28	114	20	135	14	133	18	232
Pipe/cigar also	17	100	16	109	0	(0)	0	(0)
Pipe/cigar only	28	88	13	59	0	(0)	0	(0)
Ex cigarette	49	67	46	84	7	72	8	87
Ex pipe/cigar only	1	(22)	2	(46)	0	(0)	0	(0)
Not known	25	96	14	73	37	92	26	74
		****		**		N.S.		***
Broad group 1							· _	
Never smoked	26	66	18	67	74	88	64	89
Current cigarettes	248	122	172	125	63	137	57	150
Others	103	76	75	75	44	87	34	75
		****		****		**		****
Broad group 2			• .					
Not smoking currently	75	67	64	77	81	85	72	82
Currently smoking	277	116	187	112	63	129	57	137
(anything)		****		***		, ***		***

Numbers of deaths (D) and mortality ratios (R) standardised for age

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TABLE 7 Smoking groups (continued - 3)

			•	CNSLD					
		Mal	es	Ма	les	Fema	les	Femal	
		Po		Si		Po		Sit	
		D	<u>R</u>	<u>D</u>	R	<u>D</u>	<u>R</u>	D	<u>R</u>
	Smoking group			_		-	-		
	Detailed group								
	Never smoked	1	16	1	(24)	4		5	
	Current cigarettes						u		ų
	<10 only	6	(143)	4	(186)	1	tic	2	itio
	10-19	12	105	10	133	0	estimation	2	ima
	20	8	149	7	(181)	0	est	0	estimation
	20+	6	(164)	5	(189)	0	le	1	reliable
	Amount NK	0	(0)	0	(0)	0	reliable	0	(1 ab
	Pipe/cigar NK	3	(76)	4	(177)	0	rel	2	rel
	Pipe/cigar also	2	(73)	0	(0)	0	for	0	for
	Pipe/cigar only	3	57	1	(28)	0		0	
	Ex cigarette	14	119	8	93	0	deaths	1	leat
	Ex pipe/cigar only	0	(0)	0	(0)	0	few c	0	few deaths
	Not known	5	(119)	1	(32)	3		2	
•			N.S.		*		Too		Too
•	Broad group 1								
	Never smoked	1	16	1	24	4	(99)	5	75
	Current cigarettes	37	116	30	143	1	(65)	7	171
	Others	22	100	10	63	3	(123)	3	71
			**		**		N.S.		N.S.
	Broad group 2								
	Not smoking currently	15	85	9	67	4	(110)	6	74
	Currently smoking	40	107	31	116	1	(73)	7.	145
	(anything)		N.S.		N.S.		N.S.		N.S.

Numbers of deaths (D) and mortality ratios (R) standardised for age

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Stroke Males Males Females Females Pop Sibs Pop Sibs D R D R D R D R Smoking group Detailed group Never smoked 12 122 7 84 50 108 47 98 Current cigarettes <10 only 6 89 3 (69) 3 49 6 94 10-19 24 137 20 137 9 107 11 115 20 10 131 7 97 2 (66) 6 (189) 20+ .5 95 3 (64) 0 (0) 1 (73) Amount NK 1 (123)2 (573) 0 (0) 0 (0) Pipe/cigar NK 7 111 6 (134) 6 109 8 154 Pipe/cigar also 3 (70)3 (65) 0 (0)0 (0) Pipe/cigar only 5 59 10 130 0 (0) (0) 0 Ex cigarette 15 78 74 13 7 132 2 33 Ex pipe/cigar only 1 (89) 2 (135)0 (0) 0 (0)Not known 5 73 6 89 21 95 97 23 N.S. N.S. N.S. N.S. Broad group 1 Never smoked 12 122 7 84 50 108 47 98 Current cigarettes 56 115 44 109 20 83 123 32 Others 26 73 93 31 28 101 25 83 N.S. N.S. N.S. N.S. Broad group 2 Not smoking 27 91 20 77 57 108 49 89 currently Currently smoking 62 105 56 112 20 82 32 122 (anything)

N.S.

N.S.

N.S.

N.S.

TABLE 7 Smoking groups (continued - 4)

Numbers of deaths (D) and mortality ratios (R) standardised for age

		<u>0t</u>	her cau	ses				
	Male			Males		les	Females	
	Pop	R	Sib	ns <u>R</u>	Por		Sib	
	D	<u></u>	<u>D</u>	<u></u>	D	R	D	R
Smoking group								
Detailed group								
Never smoked	35	87	20	63	164	91	156	104
Current cigarettes								
<10 only	27	101	19	117	25	95	23	96
10-19	72	99	55	97	34	88	46	118
20	37	110	32	108	19	133	13	97
20+	16	70	19	92 .	4	(127)	6	105
Amount NK	7	(232)	1	(79)	1	(77)	1	(81)
Pipe/cigar NK	34	138	25	147	26	148	20	99
Pipe/cigar also	22	130	25	147	0	(0)	0	(0)
Pipe/cigar only	29	87	30	116	0	(0)	0	(0)
Ex cigarette	70	93	59	94	20	93	22	102
Ex pipe/cigar only	2	(43)	. 3	59	2	(203)	0	(0)
Not known	29	108	19	83	91	107	61	86
		N.S.		N.S.		N.S.		N.S.
Broad group 1								
Never smoked	35	87	20	63	164	91	156	104
Current cigarettes	215	107	176	111	119	110	109	105
Others	130	93	111	95	113	105	83	88
Broad group 2		N.S.		N.S.		N.S.		N.S.
Not smoking currently	105	92	79	83	184	93	178	100
Currently smoking	246	104	209	109	121	113	109	100
(anything)		N.S.		**		*		N.S

TABLE 7 Smoking groups (continued - 5)

Numbers of deaths (D) and mortality ratios (R) standardised for age

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		irrent ci	<u> </u>			· · · · · · · · · · · · · · · · · · ·		
	Mal	les	Ма	les	Fema	les	Fema	100
	Po	pp	Si		Po		Si	
Number smoked	D	R	D	R	D	<u>R</u>	<u>D</u>	<u>R</u>
All causes								
<10	71	82	42	86	44	88	44	88
10-19	245	103	175	101	75	102	80	102
20	118	107	91	102	33	119	29	110
20+	77	102	65	105	6	93	13	117
		N.S.		N.S.		N.S.		N.S.
Lung cancer	· .					· .		
<10	7	50	4	56	1	(25)	3	(100)
10-19	32	85	27	106	10	165	4	86
20	23	132	13	98	2	(83)	1	(61)
20+	19	162	11	121	0	0	2	(282)
		**		N.S.		N.S.		N.S.
Coronary heart di	sease							
<10	25	77	12	70	14	89	10	84
10-19	105	112	63	102	22	99	17	92
20	40	101	32	99	10	122	9	146
20+	31	91	27	120	2	106	3	120
		N.S.		N.S.		N.S.		N.S.
CNSLD						or ion		or ion
<10	6	104	4	121	1	Too few deaths for reliable estimation	2	Too few deaths for reliable estimation
10-19	12	82	10	83	0	eath est1	2	aath sst1
20	8	113	7	111	0	w d(le é	. 0	w de le e
20+	6	(132)	5	115	0	fel iab.	1	fei
		N.S.		N.S.		re1		rel.

TABLE 8 Amount smoked

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TABLE 8 Amount smoked (continued)

<u></u>				· · · · · · · · · · · · · · · · · · ·				
	Male	es	Mal	les	Fema	les	Femal	es
	Pop	ç	Sil	ວຣ	Pop	þ	Sit)S
Number smoked	<u>D</u>	R	D	R	<u>D</u>	R	D	R
Stroke								
<10	6	71	3	64	3	(67)	6	79
10-19	24	114	20	127	9	138	11	98
20	10	107	7	91	2	(83)	6	165
20+	5	82	3	62	0	(0)	1	67
		N.S.		N.S.		N.S.		N.S.
Other causes								
<10	27	105	19	115	25	97	23	88
10-19	72	102	-55	95	34	88	46	110
20	37	113	32	107	19	132	13	92
20+	16	70	19	91	4	(115)	6	99
		N.S.		N.S.		N.S.		N.S.

Numbers of deaths (D) and mortality ratios (R) standardised for age (Current cigarette smokers only)

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Numbers of	deaths (D) and mo	ortality	ratios	(R) stan	dardised	for age	
		·	<u>All ca</u>	uses				
	Mal	es	Males		Fema	les	Females	
	Po	р	Si	bs	Po	р	Sibs	
	<u>D</u>	R	D	R	D	R	<u>D</u>	R
Smoking group								
Follow-up period 1-	5 years							
Never smoked	23	72	14	71	91	99	68	89
Current cigarettes					01	00		09
<10 only	19	84	14	123	8	62	11	95
10-19	85	131	54	132	21	112	25	131
20	37	129	24	116	11	156	9	137
20+	17	92	15	107	2	(143)	2	(75)
Amount NK	2	(75)	2	176	0	(0)	1	(169)
Pipe/cigar NK	27	123	21	, 168	17	141	13	130
Pipe/cigar also	9	66	7	61	Ò	(0)	. 0	(0)
Pipe/cigar only	26	94	12	70	0	(0)	. 0	(0)
Ex cigarette	54	86	37	86	7	74	10	95
Ex pipe/cigar only	2	(55)	2	63	1	(197)	0	(0)
Not known	21	91	8	54	41	94	35	97
		*		**		N.S.		N.S.
Follow-up period 6	years to	end of s	study					
Never smoked	52	69	35	62	203	88	206	. 99
Current cigarettes								
<10 only	52	104	28	92	36	109	33	107
10-19	160	114	121	113	54	113	55	113
20	81	127	67	118	22	127	20	121
20+	60	134	50	128	4	(103)	11	154
Amount NK	8	(145)	4	(151)	2	(121)	0	(0)
Pipe/cigar NK	58	123	41	127	43	143	38	148
Pipe/cigar also	39	120	42	128	0	(0)	0	(0)
Pipe/cigar only	50	84	47	97	0	(0)	0	(0)
Ex cigarette	106	77	100	85	26	95	24	86
Ex pipe/cigar only	3	35	5	56	1	(82)	0	(0)
Not known	/ 47	95	36	84	112	102	82	82
		****		****		N.S.		**

TABLE 9 Smoking groups by period of follow-up

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TABLE 10 Age of starting to smoke

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		-						
•	Mal	les	Males		Females		Females	
	Pop		Sibs		Pop		Sibs	
	N	9,0	<u>N</u>	07 .0	N	0 7	N	0 7
Age of starting				,				
<16	639	30.0	442	30.2	145	10.3	121	10.1
16-19	1115	52.4	730	49.8	568	40.2	467	38.9
20+	375	17.6	293	20.0	701	49.6	614	51.1
Total	2129	100.0	1465	100.0	1414	100.0	1202	100.0

Numbers at risk (N) and percentage distribution (%) (Current cigarette smokers only)

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TABLE 11 Age of starting to smoke

Numbers (N) and percentages (3) who are aged 55 or over and who smoke 20 or more cigarettes a day (Current cigarette smokers only)													
· .	Mal	es	Ma	les	Fema	les	Fema	les					
	Poj	ò	Si	Sibs		р	Sibs						
	<u>N</u>	.0	<u>N</u>		N	80	<u>N</u>	<u>~</u>					
Age of starting													
Aged 55 or over													
<16	219	34.3	174	39.4	18	12.4	13	10.7					
16-19	373	33.5	243	33.3	68	12.0	72	15.4					
20+	142	37.9	113	38.6	259	36.9	231	37.6					

Smoke 20 or more cigarettes a day

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<16	265	41.5	196	44.3	35	24.1	36	29.8				
16-19	410	36.8	307	42.1	141	24.8	114	24.4 .				
20+	131	34.9	106	36.2	128	18.3	136	22.1				
-												

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| | | (Curr | ent cig | arette si | mokers | only) | | |
|---------------|----------|----------|----------|-----------|----------|----------|----------|-------------------|
| | | | | | | | | |
| | Mal | es | Ма | les | Fema | les | Femal | les |
| | Ро | р | Si | bs | Po | р | Sil | bs |
| | D | <u>R</u> | <u>D</u> | R | <u>D</u> | <u> </u> | <u>D</u> | R |
| All causes | | | | | | | | |
| <16 | 150 | 101 | 109 | 95 | 14 | 123 | 10 | 82 |
| 16-19 | 273 | 104 | 189 | 110 | 53 | 116 | 45 | 87 |
| 20+ | 84 | 87 | 64 | 85 | 89 | 90 | 105 | 109 |
| | | N.S. | | N.S. | | N.S. | | N.S. |
| Lung Cancer | | | | | | | | |
| <16 | 29 | 118 | 21 | 118 | 2 | (233) | 0 | (0) |
| 16-19 | 39 | 96 | 20 | 82 | 6 | (164) | 3 | (96) |
| 20+ | 12 | 82 | 12 | 112 | 5 | 59 | 6 | 117 |
| | | N.S. | | N.S. | | * | | N.S. |
| Coronary hear | t diseas | e | | | | | | |
| <16 | 57 | 100 | 37 | 91 | 4 | 117 | 1 | (44) |
| 16-19 | 109 | 108 | 70 | 113 | 13 | 98 | 9 | 86 |
| 20+ | 30 | 80 | 22 | 83 | 30 | 99 | 27 | 111 |
| | | N.S. | | N.S. | | N.S. | | N.S. |
| CNSLD | | | | | | ths | | |
| <16 | 7 | 81 | 9 | 109 | 0 | deaths | 0 | (0) |
| 16-19 | 15 | 97 | 13 | 108 | 0 | | 2 | (124) |
| 20+ | 8 | 135 | 4 | 70 | 1 | Too few | 3 | (9 9) |
| | | N.S. | | N.S. | | To | | N.S. |
| Stroke | | | | | | | | |
| <16 | 14 | 108 | 10 | 91 | 1 | (115) | 2 | (135) |
| 16-19 | 23 | 98 | 17 | 104 | 5 | (120) | 4 | 60 |
| 20+ | 8 | 94 | 6 | 107 | 8 | 89 | 17 | 114 |
| | | N.S. | | N.S. | | X.S. | | N.S. |
| Other causes | | | | | | | | |
| <16 | 43 | 96 | 32 | 86 | 7 | 112 | 7 | 94 |
| 16-19 | 87 | 106 | 69 | 120 | 29 | 118 | 27 | 90 |
| 20+ | 26 | 88 | 20 | 76 | 45 | ,
90 | 52 | 107 |

TABLE 12 Age of starting to smoke

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TABLE 13 Inhalation

	Ma	les	M	ales	Fem	ales	Females		
	P	ор	Sibs		P	ģ	Sibs		
	<u>N</u>	0/0	N	.10 .10	N	87 17	<u>N</u>	3. 8	
Inhalation									
Inhale	1840	85.7	1291	86.4	983	67.4	785	63.1	
Do not inhale	307	14.3	204	13.6	476	32.6	459	36.9	
Total	2147	100.0	1495	100.0	1459	100.0	1244	100.0	

Numbers at risk (N) and percentage distribution (%) (Current cigarette smokers only)

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TABLE 14 Inhalation

Numbers (N	who s	moke 20	or more	who are e cigare e smoker	ttes a d		r and					
Males Males Females Females Pop Sibs Pop Sibs												
	<u>N</u>	07 <u>/</u> 0	<u>N</u>	<u>, , , , , , , , , , , , , , , , , , , </u>	<u>N</u>	2.2	N	8				
Inhalation		·										
Aged 55 or over												
Inhale	585	31.8	442	34.2	152	15.5	139	17.7				
Do not inhale	151	49.2	10 2	50.0	196	41.2	181	39.4				
Smoke 20 or more	cigare	ttes a	day									
Inhale	733	39.8	550	42.6	249	25.3	224	28.5				
Do not inhale	75	24.4	75	36.8	64	13.4	75	16.3				

19.5

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TABLE	15	Inhalation

		and numb Current		te smoker	s only			·
	Mal			les	Fema		Fema	
	Po <u>D</u>	р <u></u>	D D	bs <u>R</u>	Po <u>D</u>	p <u>R</u>	Si D	bs <u>R</u>
All causes								
Inhale	425	103	313	100	92	105	93	105
Do not inhale	78	87	60	101	62	94	71	94
		N.S.		N.S.		N.S.		N.S.
Lung cancer								
Inhale	61	93	48	104	9	129	5	88
Do not inhale	18	133	7	80	3	60	5	116
		N.S.		N.S.	1 .	N.S.		N.S.
Coronary heart d	isease							
Inhale	172	106	110	99	28	105	19	97
Do not inhale	24	72	22	103	20	94	19	103
· · · ·		*		N.S.		N.S.		N.S.
CNSLD						deaths		
Inhale	26	102	24	114	0		4	(147)
Do not inhale	5	91	2	(40)	0	few	1	(44)
		N.S.		N.S.		Ton		N.S
Stroke						-		
Inhale	39	109	29	97	9	140	14	121
Do not inhale	6	65	6	(120)	3	54	9	79
		N.S.		N.S.		N.S.		N.S
Other causes								
Inhale	127	102	102	97	46	97	51	104
Do not inhale	25	90	23	118	36	105	37	95
		N.S.		N.S.		N.S.		N.S

in the second second

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TABLE 16	Type	of	ciga	rette	

· · · · · · · · · · · · · · · · · · ·				te smoke			."5)	
								-
	Mal	.es	Ма	les -	Fema	ales	Fema	les
··· -	Po	p.	Si	bs	Pc	p	Si	bs
	N	on No	<u>N</u> .	er ,o	<u>N</u>	6 .	N	. 6
Type of cigarette								
		•						
Filter only	873	40.3	453	30.3	1016	69.1	757	60.3
Plain only	867	40.0	763	51.0	408	27.7	463	36.9
Hand Rolled only	303	14.0	193	12.9	16	1.1	10	0.8
Mixed	123	5.7	86	5,8	31	2.1	26	2.1
Total	2166	100.0	1495	100.0	1471	100.0	1256	100.0

Numbers at risk (N) and percentage distribution 101

TABLE 17 Type of cigarette

	Mal	es	М	ales	Fema	les	Fema	ales
	Ро	p	S	ibs	Pop		Sibs	
	N	80	N	0%	N	o,o	N	a,
Type of cigarette								
Aged 55 or over								
Filter only	283	32.4	150	33.1	239	23.5	218	28.8
Plain only	309	35.6	296	38.8	100	24.5	97	21.0
Hand Rolled only	110	36.3	70	36.3	6	37.5	3	30.0
Mixed	38	30.9	28	32.6	11	35.5	6	23.1
Smoke 20 or more	cigarette	s a day						
Filter only	355	40.7	196	43.3	216	21.3	176	23.2
Plain only	406	46.8	381	49.9	97	23.8	121	26.1
Hand Rolled only	13	4.3	17	8.8	1	6.3	1	10.0
Mixed	39	31.7	29	33.7	4	12.9	4	15.4
Inhale								
Filter only	704	86.1	367	84.2	634	66.8	476	67.1
Plain only	734	88.2	627	86.8	268	71.1	349	81.0
								•
Started smoking a	t age <16			a 1				
Filter only	194	23.7	82	18.8	88	9.3	58	8.2
Plain only	261	31.4	242	33.5	42	11.1	57	13.2

Numbers (N) and percentages (5) with various characteristics (Current cigarette smokers only)

•

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TABLE 18 Type of cigarette

Numbers of		~ <u>ana</u> nu	moet of	cigarett te smoker	les smol	*ha		
					<u> </u>			
	Ma	les	M	alee				
		Рор		Males Sibs		Females Pop		les
	<u>D</u>	- R	<u>D</u>	<u>R</u>	D	p R		bs -
					-		<u>D</u>	<u>R</u>
All causes								
Filter only	179	87	104	96	98	90	98	93
Plain only	223	104	199	100	54	124	63	112
Hand Rolled only	89	132	48	108	4	(191)	0	(0
Mixed	24	84	22	105	3	(68)	5	(178
		***		N.S.		N.S.		N.S
Filter only	166	89	101	99	91	92	91	95
Plain only	212	110	181	100	50	119	60	107
		**		N.S.		• •		N.S
Lung cancer								
Filter only	32	100	15	94	9	107	6	99
Plain only	28	78	29	94	4	(98)	4	(109
Hand Rolled only	15	191	6	101	0	(0)	0	(105
Mixed	5	(123)	6	(181)	0	(0)	0	(0
		**		N.S.		N.S.		N.S
Filter only	32	109	14	102	8	95	5	(100
Plain only	26	91	27	99	4	113	4	(99
		N.S.	1. page 1. pag	N.S.		N.S.		N.S
Coronary heart dis	<u>ease</u>							
Filter only	72	88	39	100	32	97		
Plain only	92	111	69	98 "		- 100	23	91
Hand Rolled only	29	109	19	127	2	(278)	14	110
Mixed	8	79	5	68	1.	(76)	0 2	(0) (323)
		N.S.		N.S.		N.S.		N.S
Filter only	64		37	2 102	30	101	20	· 91
Plain only	90	115 -	62	- 99 ···	12	98	20 9 14 3	3-116
		**		N.S.		N.S.		N.S

** N.S. N.S. N.S. N.S.
* Mortality ratios for second comparison are standardised additionally for inhaling and age of starting to smoke

Type of cigarette (continued) TABLE 18

41 -

Númbers of	460	andinano	eror	lgarette	S Smok	ed*	sed for	•
	(<u>Current</u> c	igaret	te smoker	s only)		
					• •			
	Ma.	les	Ma	les	Fem	ales	Fena	100
	Pe	qo	Si	bs		op		bs
	<u>D</u>	<u>R</u>	<u>D</u>	<u>R</u>	D	R	D	<u>R</u>
CNSLD					-			
Filter only	10	00						an an Eisean tarai
Plain only	10 12	80	6	80	1		3	(94)
Hand Rolled only	an a	95	14	98	0	chs	2	(121)
Mixed	8	(189)	6	(203)	0	deaths	0	(0)
	1	(60)	0	(0)	0		0	(0)
* Filter only		N.S.		N.S.		few		N.S.
그 그 그 같은 그 말씀 하는 것이 같이 했다.	10	106	6	95	0	Too	3	(96)
Plain only	11	95	14	102	°, 0 ,		2	(107)
		N.S.		N.S.				N.S.
<u>Stroke</u>								
Filter only	14	78	9	96	7	•74	14	91
Plain only	24	125	20	106	7	(178)	10	125
Hand Rolled only	6	99	3	73	0	(0)	0	
Mixed	2	(77)	3	118	0	(0)	Ö	(0)
		N.S.		N.S.		N.S.	v	(0) N.S.
Filter only	12	72	9	90	6	73	12	
Plain only	23	126	17	106	6	(158)	12	87 123
		*		N.S.	Ŭ	N.S.	TO	
0+1						1.5.		N.S.
<u>Other causes</u>				a at a second				
Filter only	51	83	35	97	49	85	52	94
Plain only	67	107	67	103	30	135	33	110
Hand Rolled only	31	138	14	85	2	(183)	0	(0)
Mixed	8	78	8	124	2	(93)	3	(193)
		N.S.		N.S.		N.S.		N,S.
Filter only	48	. 88	35	99	47	89	- 51 -	99
Plain only	62	112	:61	100	28	126 -	30	a 101
		N.S.		這些許可行。		21 J		

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Mortality ratios for second comparison are standardised additionally inhaling and age of starting to smoke tor

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TABLE 19 Type of cigarette

42

Cause of death		Observed Deaths	Expected Deaths	Relative Mortality	Significance
All causes	Filter	449	481.91	0.87	**
	Plain	503	470.09	1	
Lung cancer	Filter	59	56.48	1.09	N.S.
	Plain	61	63.52	1	
Coronary heart	Filter	151	163.53	0.86	N.S.
lisease	Plain	178	/165.47	1	
CNSLD	Filter	19	18.89	1.01	N.S.
	Plain	27	27.11	1	
Stroke	Filter	39	48.85	0.66	**
	Plain	56	46.15	1	
Other causes	Filter	181	194.14	0.86	N.S.
	Plain	181	167.86	1	

Comparison of mortality (standardised for age, number smoked, age of starting and inhalation) of filter only and plain only smokers (Current cigarette smokers only)

ALC: NOT SOLUTION

TABLE 20 Social Class (on questionnaire)

				- 43 -				
	Та	DIT OO						
		BLE 20	Social	<u>Class (c</u>	on quest	tionnaire	•)	
	Numbers	<u>at risk</u>	(N) and	percent	tage dis	stributio	n (%)	
		les		les	Fema	les	Fen	ales
	Р <u>N</u>	op <u>%</u>		ibs		юр	S	ibs
Social Clas		<u>70</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	a r <u>2</u>
I or II III	604 2470	14.1	425	13.6	670	15.1	401	13.5
IV or V	2479 1206	57.8 28.1	1917 791	61.2 25.2	2522	56.8	1474	49.6
				40.2	1251	28.2	1096	36.9
Total classified	4289	100.0	3133	100.0	4443	100.0	2971	100.0
								100.0
	a 						- 10 - 10 	
							7	

Social Class (on questionnaire) TABLE 21

1

1.1		i ha cirr				<u> 1</u>	-			·	, • 40	are	aged 55 or	over and	1 who
							: 	are	curi	rent	ciga	rette	smokers		
		An					1.2	4. A. A. M.	1. 200	a de la compañía de l	and the second				
. <u>)</u>								31 É						· · · · ·	a shering a
		· · · · · · · · · · · · · · · · · · ·	÷.,							201 64					
\overline{a}					<u> </u>		1.454			14 6		3.			
5						Ма	le	s i i		i i i	ales		Females	•	
$r \sim r$			5					- · .	2		ua co	Ν.	remates	1	emales
						10	d0	· .			ibs	1.00	_	· .	
14	34.5		1				OF.	1.1		3	IDS	tin sta	Рор		Sibs
						•	÷	·		A					
्र	$\frac{1}{2}$				਼ ਼ੁੁ	<u>.</u>				N	•	%	N 🐒	N	. a
	Sec. 7					sji e i				<u> </u>		-			<u> 10</u>
		ial	~	_				·				÷		-	
	JUC.	rat.	်င်း	922			1	•	· · · · ·						

Numbers (N) and percentages (%) who ar 55

fir or

				· .		· ·	
I or l	11 220	36.4	179 42.1	254	37.9	183	45.6
111		35.8	772 40.3	883	35.0	487	33.0
IV or	V 505	41.9	330 41.7	512	40.9	444	40.5
Curren	it cigarette smok	Are					
		<u>-13</u>					

94 - 4	201	4	<u></u>						1	1.1	25-1	1 e (†		_ <u>1</u>		1	$\{ x_i \}$						 1. C. 1.					`	-
۶I	- O)r	II			22. 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	25	9		- 42	2.9) .	25	19	9.		-46	5.8	, i		217		 32	4		155		3	8.7
					3		vi(e		- K.	10							<u> (</u>					· · · · ·		· .	÷.,				···
ÌI	ΊI				180	1	40	2	12	56	5.6	:	1	07	8	1.11	56	; 2		- 1	928		37	2		571			8.7
× Î	V	or	v		1	୍ଷିତ୍ର	75	ົ່		62		<u>i le '</u>		19	^		.er	1 7	i e ge	۰.			00	- ·	· · ·	400			8.6
	- 32		2	-			••	•	Sec	04				- 40	9		00	. (is p		400		 30.	ວ		423	5	୍ୟ	8.6
									$\tau^{\tau_{I_{4}}}$						2		أأحجرته			2	1.1					he.			

TABLE 22 Social Class (on questionnaire)

Numbers of de	eaths (D)	and mort	ality r	atios (R) stand	ardised	for age	and sm	ok:
									•
	Mal	.es	Ма	les	Fema	les	Femal	es	
	Po	P	Si	bs	Po	P	Sib	S	
	$\frac{\mathbf{D}}{\mathbf{E}}$	<u>R</u>	<u>D</u>	<u>R</u>	D	<u>R</u>	D	R	-
All causes									- •
I or II	125	104	90	87	74	89	43	76	•••
III	493	96	438	98	299	100	174	98	
IV or V	293	106	209	113	166	106	163	112	
i.		N.S.		*		N.S.		*	
Lung Cance					•				
I or II	12	89	12	100	4	(144)	2	(122)	
	71	113	56	103	7	69 120	6	103	
IV or V		80	21	92	7	136	4	(88) N.S	
		N.S.		N.S.		N.S.	an Anat An Antairte	N.S.	•
Coronary he	eart disea	<u>ise</u>							
I or II	47	113	25	73	22	103	6	47	
J DI		98	153	101	78	102	34	92	
IV or V	95	98	72	113	38	94	41	131	
		N.S.		N.S.		N.S.		**	÷.
CNSLD						2 1.			
T or II	9	133	2	38	1	(80)	1	(69)	
III	23	79	- 26	113	4	(93)	- 4	(98)	
IV or V	19	125	10	103	3	(124)	4	(116)	
		N.S.		N.S.		N.S.		N.S.	
								:	
<u>Stroke</u>									
I or II		96	11	98	10	98	7	81	:
	42	92	40	89	38	99	29	108	•
IV or V	- 30	s-116	24	127	20	102	22	98	
		N.S.,		N.S.		N.S.		N.S.	
Other cause	<u>a</u>	\$*****							
I or II	46	98	40	98	37	78	27	83	
IUI	176	. 91	163	94	172	101	101	97	
IV or V	. <u>191</u>		. 82	116	98	109	, 92	111	
		*		N.S.		N.S.		N.S.	

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TABLE 23 Urbanization

	Numbers at	risk (N	I) and p	ercentag	e distr	ibution	(%)	
		les op		lales Sibs		ales op		ales ibs
	<u>N</u>	05	<u>N</u>	a a	<u>N</u>	97	N	%
Urbanization								
<u>Full data</u>								
Conurbations	1690	35.4	1277	38.5	1858	35.1	1730	40.1
Urban	2211	46.4	1498	45.2	2530	47.8	1930	44.8
Rural	.868	18.2	540	16.3	903	17.1	651	15.1
Total classifie	d 4769	100.0	3315	100.0	5291	100.0	4311	100.0
England and Wal	<u>es only</u>						•	•
Conurbations	1244	37.8	911	37.9	1344	37.3	1199	39.6
Urban 100,000+	441	13.4	343	14.3	490	13.6	419	13.8
Urban 50-100,00	0 335	10.2	248	10.3	397	11.0	320	10.6
Urban <50,000	687	20.9	552	23.0	766	21.3	656	21.7
Rural	531	16.2	323	13.4	549	15.3	399	13.2
Truly Rural	49	1.5	28	1.2	54	1.5	34	1.1
Total	3287	100.0	2405	100.0	3600	100.0	302 7	100.0

TABLE 24 Urbanization

4 - 17 - 14

Numb	<u>ers (N) a</u>	nd perce	entages	(%) who	are age	d 55 or	over	•
	Mal Po			lles bs	Fema Po		Fema Si	les bs
	<u>N</u>	<u>%</u>	N	07 10	<u>N</u>	<u>70</u>	<u>N</u>	<u>%</u>
Urbanization			144 1					
<u>Full data</u>)			
Conurbations	647	38.3	529	41.4	750	40.4	744	43.0
Urban	827	37.4	599	40.0	1015	40.1	816	42.3
Rural	333	38.4	218	40.4	382	42.3	271	41.6
England and Wale	<u>s only</u>							
Conurbations	475	38.2	361	39.6	540	40.2	471	39.3
Urban 100,000+	155	35.1	117	34.1	190	38.8	141	33.7
Urban 50-100,000	118	35.2	100	40.3	153	38.5	105	32.8
Urban <50,000	267	38.9	213	38.6	321	41.9	278	42.4
Rural	206	38.8	114	35.3	240	43.7	146	36.6
Truly Rural	14	28.6	9	32.1	23	42.6	13	38.2

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Males Males :	Females	F	emales
Pop	Рор		Sibs
<u>N. % N. 35 N</u>	<u>0</u>	<u>N</u>	<u>%</u>

Numbers (N) and percentages (%) who are current cigarette smokers

Full data

Urbanization

Conurbations	998	59.1	740	57.9	744	40.0	647	37.4
Urban	1236	55.9	842	56.2	870	34.4	691	35.8
Rural	461	53.1	290	53.7	278	30.8	227	34.9
England and Wales	<u>only</u>						· ·	
Conurbations	722 -	58.0	526	57.7	531	39.5	484	40.4
Urban: 100,000+	252	57.1	197	57.4	159	32.4	160	38.2
Urban 50-100,000	- 168	50.1	147	59.3	128	32.2	132	31.5
Urban <50,000	370 -	53.9	299	54.2	262	34.2	231	35.2
Rural	281	52.9	177	54.8	164	29.9	152	38.1
Truly Rural	ar. 18	36.7	15	53.6	15	27.8	15	44.1

TABLE 26 Urbanization

numbers of deaths		u moria.	LILY FAL	105 (R)	standar	dised fo	r age a	nd smokin
			<u>A11 C</u>	auses				
	Mal		И-	les	Term -			_
	Ро	and the second		an a	Fema		Fema	
			.Si		Po	Fight states in the	Si	
	<u>D</u>	<u>R</u>	D	<u>R</u>	<u>D</u>	<u>R</u>	<u>D</u>	<u>R</u>
Urbanization								· · · · · · ·
<u>Full data</u>				ار میروند میروند میروند میروند میروند میروند میروند میروند	and a second			
Conurbations	390	107	298	95	249	101	272	105
Urban	482	100	363	105	331	98	278	96
Rural	166	87	125	98	123	102	93	99
				N.S.		N.S.		N.S.
								• •
England and Wales	only							
Conurpations	296	109	209	97	171	97	169	103
Urban 100,000+	103	. 111	75	;100	64	99.	55	106
Urban 50-100,000	71	99	54	91	57	108	34	86
Urban <50,000	143	89	134	110	108	100	89	96
Rural	110	91	69	96	76	101	47	92
Truly Rural	5	. 51	- 8	147	9	125	9	(201)
		*		N.S.		N.S.		N.S.
Conurbations	296	102	209	-99	171	99	169	98
Truly Rural	. 5	47		152	9	126	9	188
		*		N.S.		N.S.		**
キャー・ション おかとう ごろをかがく ディー・ト			·····································		승규는 사람이 많이 다.	+	110	

Numbers of deaths (D) and mortality ratios (R) standardised for age and smoking

	TABLE 26	Urbanization	(continued	-	1)	
--	----------	--------------	------------	---	----	--

Numbers of deaths	(D) an	d mortal	ity rat	ios (R)	standar	dised for	age a	and smokin
			Lung (ancer				-
	Mal	es	Ms	les	Fema	100	19	
	Pc		1.	.bs	Ро		Fema	
	<u>D</u>	R						bs
	<u> </u>	2 - 2 - 25 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	D	<u>R</u>	<u>D</u>	<u>R</u>	<u>D</u>	R
Urbanization			· · · ·					
Full data			·					
<u>runn uaca</u>								
Conurbations	63	139	33	91	6	77	8	93
Urban	48	81	49	123	13	140	12	126
Rural	16	71	9	62	1	(35)	1	(35)
		***		N.S.		N.S.		N.S.
England and Wales	<u>only</u>					- 0 -		
Conurbations	50	136	23	85	5	92	4	65
Urban 100,000+	17	136	8	84	1	(55)	3	(154)
Urban 50-100,000	6	63	. 11	144	1	(75)	2	(125)
Urban <50,000	10	47	19	126	6	(236)	6	(178)
Rural	14	88	8	89	0	(0)	0	(0)
Fruly Rural	0	(0)	0	(0)	0	(0)	0	(0)
	altanata Poto a t	***		N.S.		N.S.		N.S.
								· · ·
Conurbations	50	103	23	102	5	(102)	4	(104)
Fruly Rural	0	(0)	0	(0)	0	(0)	0	(0)
		N.S.		N.S.		N.S.		N.S.

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TABLE 26 Urbanization (continued - 2)

		Coro	nary He	art Dise	ase			
	Mal	es	Ma	les	Fema	les	Fema	les
	Ро	p	Si	bs	Po	p	Si	bs
	<u>D</u>	<u>R</u>	D	R	D	R	D	R
Urbanization						· · · · · · · · · · · · · · · · · · ·		
<u>Full data</u>						e Al de la composición de la composición Al de la composición d		
Conurbations	143	107	107	101	58	91	70	117
Urban	173	99	112	96	93	107	66	94
Rural	61	88	46	109	30	97	19	86
		N.S.		N.S.		N.S.	 	N.S.
da x								
England and Wales	<u>only</u>							
Conurbations	106	110	75	113	38	91	48	127
Urban 100,000+	33	99	17	75	18	117	8	69
Urban 50-100,000	27	106	20	119	13	104	6	70
Urban <50,000	53	93	36	97	27	102	24	112
Rural	39	92	16	76	18	101	5	44
Truly Rural	0	(0)	3	(177)	2	(113)	1	(101)
		N.S.		N.S.	· · · · ·	N.S.		N.S.
Conurbations	106	104	75	99	38	99	48	100
Truly Rural	0	(0)	3	(151)	2	(119)	1	86
		N.S.		N.S.		N.S.		N.S.

Numbers of deaths (D) and mortality ratios (R) standardised for age and smoking

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TABLE 26 Urbanization (continued - 3)

			CNSI	<u>'D</u>				
	Male	es	Mal	les	Femal	es	Fema	les
	Po	p	Sil	os	Pop		Sil	bs
	<u>D</u>	<u>R</u>	<u>D</u>	R	<u>D</u>	R	D	R
Urbanization								
<u>Full data</u>								· ·
Conurbations	24	115	20	120	3	(113)	8	129
Urban	29	104	16	90	4	(102)	5	74
Rural	7	62	5	76	1	(70)	2	(99)
		N.S.		N.S.		N.S.	•	N.S.
England and Wales	<u>only</u>							
Conurbations	18	105	14	131	2	(96)	5	(108)
Urban 100,000+	: 4	70	5	130	0	(0)	2	(147)
Urban 50-100,000	4	(88)	0	(0)	1	(159)	1	(91)
Urban <50,000	15	147	5	84	2	(135)	2	(78)
Rural	5	65	3	(88)	1	(112)	. 1	(81)
Truly Rural	0	. (0)	0	(0)	0	(0)	0	(0)
		N.S.		N.S.		N.S.		N.S.
Conurbations	18	103	14	102	2	108	5	102
Truly Rural	.0	(0)	0	(0)	0	(0)	0	(0)
		N.S.		N.S.		N.S.	π.	N.S.

Numbers of deaths (D) and mortality ratios (R) standardised for age and smoking

Urbanization (continued - 4) TABLE 26

.

N.S.

Numbers of deaths					<u>standa</u>	rdised fo	or age	and smoki
			<u></u>	<u>roke</u> :				
	Mal	les		lales				
	Po	영화 영화 영화 영화				ales	Fem	ales
		무 없는 것 같아?		ibs		op	S	ibs
	<u>D</u>	<u>R</u>	D	R	<u>D</u>	R	D	R
Urbanization							•	
<u>Full data</u>								
Conurbations	26	80	26	80	33	00	 	
Urban	49	112	39	1		98	38	91
Rural	19	108		110	50	106	51	109
	13		17	119	15	88	15	99
		N.S.		N.S.		N.S.		N.S.
England and Wales	ónlv			_				
Conurbations:	17	77	17	71	23	101	14	70
Jrban_100,000+	5	69	8	96	7	86	5	83
Jrban 50-100,000	6	101	6	89	6	83	6	129
rban_<50,000	. 16	120	17	124	19	128	15	131
lural 🛓	13	123	12	137	9	91	6	96
ruly_Rural	3	(416)	2	(348)	0	(0)	3	(557)
		*		N.S.		N.S.	. . .	**
								т. т .
onurbations	17	88	17	91	23	104	14	84
ruly Rural	3	(414)	2	(449)	0	(0)	3	(731)

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TABLE 26 Urbanization (continued - 5)

			Other	causes			· · · ·	
								na serie de la composición de la compo Esta composición de la
	Mal			les	Fema		Fema	
	Po			bs	Ро	9	Si	bs
	<u>D</u>	<u>R</u>	<u>D</u>	<u>R</u>	<u>D</u>	R	<u>D</u>	<u>R</u>
Urbanization								
						2.		
Full data								
Conurbations	134	102 _	112	92	149	108	148	106
Urban	183	103	147	109	171	90	144	92
Rural	63	. 89	48	95	76	112	56	108
		N.S.		N.S.		N.S.	1. 1. 1. 1.	N.S.
England and Wales	<u>only</u>	1 5		분수가 있다. 위에 분야 같아?	na a si			
Conurbations	105	106	80	92	103	98	98	103
Urban 100,000+	44	131	37	120	38	99	37	119
Urban 50-100,000	28	108	17	71	36	116	19	81
Urban <50,000	49	82	57	114	54	86	42	79
Rural	39	, 87	30	102	48	108	35	115
Truly Rural	2	(51)	3	(129)	7	(168)	5	(189)
		N.S.		N.S.	: •	N.S.		N.S.
			~~~	00		~~	<b>^</b> 0	09
Conurbations Truly Rural	105	102	80	99	103	97	98	98 160
Terral December 1	2	(53)	3	143	7	(161)	5	169

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TABLE	27	Obesity

	Numbers at	risk (N	) and p	ercentage	distr	ibution	(%)	
	Maj	es	Me	les	Fema	les	Fema	les
	Po	<b>p</b>	Si	bs	Po	p	Si	lbs
	<u>N</u>	<u>%</u>	<u>N</u>	<u>07</u> <u>10</u>	<u>N</u>	<mark>8</mark> 6	<u>N</u>	<u>%</u>
Obesity In	ıdex							
<23	1289	27.5	837	25.9	1986	39.1	1581	38.2
23-24	1245	26.6	880	27.2	1196	23.5	992	24.6
25-27	1428	30.5	1022	31.6	1090	21.4	886	21.4
28+	717	15.3	495	15.3	813	16.0	679	16.4
Total	4679	100.0	3234	100.0	5085	100.0	4138	100.0

TADE .	~ ~	-	
TABLE	28	Oheat	+
-		<b>ANC 3T</b>	LV

								· · ·		
Nu	nbers	(N)	and	perce are	ntages current	(%) who a cigarett	are aged te smoke	55 or o	ver and	who
									· · ·	
			Male Pop	ار با میکرد. با این اینکرد اینکر		lales ibs		ales	Fem	ales
		<u>N</u>		<u>%</u>	<u>N</u>		<u>N</u>	op <u>%</u>	S: N	lbs <u>%</u>
Obesity In	dex					- · · ·				<u>N</u>
Aged 55 or	over									
<23 23-24	ter di . La pina	54	1452.5	42.4	361	43.1	682	34.3	547	34.6
25-24 25-27		47 491		37.8 39.3	337	38.3	479	40.1	376	37.9
28+		255		35.6	396 210	38.7 42.4	467 402	42.8	437	49.3
<u>urrent ci</u> g	arett	esm	oker	<u>'S</u>			102	49.4	372	54.8
23 3-24		907		70.4	584	69.8	852	42.9	702	44.4
5-27.		731 700	14.14	58.7 49.0	503 510	57.2	426	35.6	358	36.1
8+		307	6. 16.	42-3	230	49.9 .46*5 -	338 213	31.0 26.2	277 188	31.3 27.7
	κŧ.		6							<b>41.</b>

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Numbers of	deaths (D)	and mo	<u>rtality</u>	ratios	(R) stan	dardised	i for ag	e and s	smokin
	Mal	es	Ma	les	Fena	lles	Fema	les	
	Po	P	Si	bs	Po	P	Si	bs	
	D	<u>R</u>	<u>D</u>	<u>R</u>	<u>D</u>	R	D	R	
All causes									
<23	318	102	217	105	237	98	219	104	-
23-24	270	100	203	99	145	92	122	86	
25-27	286	99	218	94	163	109	152	104	
28+	140	98	122	104	124	104	119	105	
		N.S.		N.S.		N.S.		N.S.	. •
Coronary her	art diseas	<u>e</u>				• • • •	· · ·		
<23	90	81	51	73	58	93	40	81	
23-24	109	110	76	111	30	74	24	75	
25-27	118	112	85	109	43	112	47	130	
28+	51	99	44	112	41	133	34	125	
		*		*		*		**	
<u>Other causes</u>	<b>3</b>								
<23	228	114	166	122	179	100	179	111	
23-24	161	94	127	93	115	- 98	98	90	
25-27	168	92	133	87	120	108	105	96	
28+	89	97	78	99	83	93	85	98	
		*		**		N.S.		N.S.	
			an tao a	•			1 - 4 2	ant thur Name	

# TABLE 29 Obesity

## TABLE 30 Exercise

	Mal	es	Ma	ales	Fema	ales	Fema	lles
	Ро	p	S	lbs	Po	qq	Si	bs
	<u>N</u>	07 10	<u>N</u>	8 <u>6</u>	<u>N</u>	07 10	N	07 12
Exercise					- 			
None	265	5.7	158	5.1	365	7.2	335	8.7
Slight	742	15.9	543	17.6	769	15.1	602	15.6
Moderate	2982	63.8	2011	65.0	3706	72.8	2735	70.8
Heavy	682	14.6	380	12.3	253	5.0	193	5.0
Total classified	4671	100.0	3092	100.0	5093	100.0	3865	100.0

Numbers at risk (N) and percentage distribution (%)

### TABLE 31 Exercise

ř	lumbers	(N) and	percent are cu	ages (%) rrent ci	who ar garette	e aged 5 smokers	5 or ov B	er and w	
		Mal		Mal		<b>Fena</b> l	· · · · · · · · · · · · · · · · · · ·	Femal	les
		Po	<b>P</b>	Sil	)S	Pop	<b>p</b>	Sil	98
		<u>N</u>	<u>5</u>	N	86	<u>N</u>	<u>%</u>	Ň	<b>9</b> /0
Exercis	8				•		· · ·		
Aged 55	or ove	<u>r</u>							· * `.
llone		100	37.7	82	51.9	175	47.9	151	45.1
Slight		273	36.8	220	40.5	303	39.4	271	45.0
Moderat	e	1155	38.7	807	40.1	1473	39.7	1090	39.9
Heavy		220	32.3	120	31.6	69	27.3	53	27.5
Current	cigare	tte smok	<u>ers</u>						
None		164	61.9	97	61.4	125	34.2	112	33.4
Slight		398	53.6	299	55.1	265	34.5	221	36.7
Moderat	:e		56.1	1121	55.7	1339	36.1	994	36.3
Heavy		409	60.0	219	57.6	109	43.1	89	46.1

## TABLE 32 Exercise

							•	•	
mbers of death	<u>s (u) a</u>	nd morta.	lity ra	tios (R)	standa	raisea io	or age	and smo	kir
			•				•	•	
· · ·	Mal	es	Ma	les	Fema	les	Fena	lës	
	Po	p	Si	bs	Po	р	Si	bs	••
	<u>D</u>	<u>R</u>	D	<u>R</u>	<u>D</u>	R	<u>D</u>	R	
	·						· · · ·		
All causes						· · ·			
None	82	144	52	139	86	162	73	153	
Slight	189	129	129	105	116	118	110	122	
Moderate	617	93	464	98	438	91	353	90	
Heavy	113	85	68	86	20	73	19	80	:
		****		**	· . ·	****		****	
	" <u>-</u>		1. F		÷				
Coronary heart	diseas	e							
None	26	125	14	108	27	201	25	225	
Slight	69	130	42	101	34	138	29	133	
Moderate	230	95	164	102	100	83	75	81	-
Heavy	41	82	23	83	4	60	1	(21)	
		**		N.S.		****		****	
						· ·	· · · ·	• •	
Other causes						· .		•	•
None	56	156	38	155	59	148	48	131	
Slight	120	129	87	107	82	111	81	118	
Moderate	387	91	300	96	338	94	278	92	
	72	91 87	45	87	16	77	18	96	
Heavy	<b>4 4</b>	o ( ****		**		****		*	

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# TABLE 33 Cardiorespiratory symptoms

		rs at ri		ng hercei	itage di	stributio	on (3)	[.] .
					· · ·			
	Mal	ž		les	Fema		Fema	
	Po	ne) Na ang kaong ka	Si 		Ро	-	Si	bs
	<u>N</u>	<b>%</b>	<u>N</u>	<u>8</u>	N	<u>%</u>	<u>N</u>	
Symptom								
Persistent	cough a	nd phleg	<u>n</u>			•		
Positive	918	19.2	665	20.0	439	8.3	355	
Negative	3852	80.4	2654	80.0	4854	91.7	3959	
Chronic bro	onchitis	syndrom	<u>e</u>					
Positive	286	6.0	165	5.0	191	3.6	117	i yata K
Negative	4484	94.0	3154	95.0	5102	96.4	4197	
Angina				. 1				
Positive	522	10.9	387	11.7	571	10.8	456	
Negative	4248	89.1	2932	88.3	4722	89.2	3858	
Infarction								
Positive	586	12.3	380	11.4	428	8.1	335	
Negative	4184	87.7	2939	88.6	4865	91.9	3979	
One or more	e of abo	ve four	symptoms	•		• • •		
Positive	1468	30.8	1063	32.0	1124	21.2	881	
Negative	3302	69.2	2256	68.0	4169	78.8	3433	
Claudicati	on			*.				
Positive	95	2.0	65	2.0	79	1.5	61	
Negative	4675	98.0	3254	98.0	5214	98.5	4253	
Total	4770	100.0	3319	100.0	5293	100.0	4314	1

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# TABLE 34 Cardiorespiratory symptoms

•	Numbers	(N) and	percenta	ges (%) v	vho are a	aged 55	or over	
							•	1 <u>-</u>
	Male				· · · · · ·		_	2 A.
-				les	Femal		Fema	les
	Pol	<b>p</b>	Sil	bs	Poj	<b>D</b>	Sil	os
	<u>N</u>	<u>8</u>	N	<u>, or</u>	N	870 870	<u>N</u>	0, 0,
Symptom		<i>n</i>						
Persisten	t cough an	nd phleg	<u>n</u>					۰.
Positive	435	47.4	327	49.2	178	40.5	134	37.7
Negative		35.6	1021	38.5	1970	40.6	1698	42.9
Neguvive		00.0		50.5	1310	40.0	1090	44.9
Chronic b	ronchitis	syndrom	<u>e</u>					
Positive	184	64.3	119	72.1	83	43.5	52	44.4
Negative	1623	36.2	1229	39.0	2065	40.5	1780	42.4
LICE ALL VC	1020	00.2	1445	33.0	2005	40.5	1780	42,4
Angina					· · ·			
Positive	294	56.3	249	64.3	268	46.9	237	52.0
Negative	1513	35.6	1099	37.5	1880	<b>39.8</b>	1595	
SHEBACIVE	1010 1010	33.0	1035	57.5	1000	39.0	1999	41.3
Infarctio	<u>n 7</u>				ana na saina sa			•
Positive	268	45.7	192	50.5	199	46.5	167	49.9
Negative	 	36.8	1156	39.3	1949		1665	41.8
. Hegaurve	TJJJ		1130	55.5	1949	40.1	1000	41.0
One or mo	re of abov	ve four	symptoms	. • . • ·		· · · · ·		
Positive	686	46.7	529	49.8	495	44.0	397	45.1
Negative	1121	33.9	819	36.3	1653	39.6	1435	41.8
Regative	1121	JJ.J.	015	50.5	1000	33.0	1400	41.0
Claudicat	ion							
Positive	63	66.3	45	69.2	33	41.8	.26	42.6
Negative	감구 같은 것이 같은 것이 없다.		1303		2115			42.5
MERGUTAE								
						<b>就</b> 可了。	1000	
Total	1807	37.9	.1348	§ 40.6	2148 3	40.6	1832	42.5
: 2011년 1월 1911년 1월 1 1월 1911년 1월 1 1월 1911년 1월					zn 书本文本的		stand og	$(L_{1}, \mathbb{C})$

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# TABLE 35 Cardiorespiratory symptoms

	-							•
Numbers	(N) and	percen	tages (%)	who ar	e current	t cigare	tte smok	ers
	Males		Males	3	Female	es	Femal	es -
	Рор		Sibs		Рор		Sib	S
	<u>N</u>		<u>N</u>	0 <b>7</b>	<u>N</u>	07 ;0	<u>N</u>	as
Symptom								
				•				·
Persistent c	ough and	phlegm		•				
Positive	705	76.8	/520	78.2	276	62.9	246	69.3
Negative	1990	51.7	1355	51.1	1617	33.3	1320	33.3
Chronic bron	chitie en	mdrome						
	CHIUIS S				•			· · · · ·
Positive	196	68.5	120	72.7	107	56.0	74	63.2
Negative	2499	55.7	1755	55.6	1786	35.0	1492	35.5
Angina								
Positive	311	59.6	234	60.5	199	34.9	155	34.0
·波文·希 · · · · · · · · · · · ·	2384	56.1	1641	56.0		35.9	1411	36.6
Negacive -								
Infarction -						* . N		
Positive	354	60.4	224	58.9	168	39.3	126	37.6
Negative	2341	56.0	1651	56.2	1725	35.5	1440	36.2
One or more	of above	four	avmotoms					
				· ·		•		
Positive -	987	67.2	729	68.6	493	43.9	396	44.9
Negative	1708	51.7	1146	50.8	1400	33.6	1170	34.1
Claudication	i I						· -	e de jet
		74.7	42	64.6	36	45.6	33	54.1
Positive	71	56.1		56.3	1857	35.6	1533	36.0
Negative	<b>-2</b> 624	<b>JO.</b> 1	то <b>л</b> о	JU.J	1001		2000	
	6005	EC 5	1075	56 5	1893	35.8	1566	36.3
Total	2695	20.3	1875	56.5	1032	55.0		

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### TABLE 36 Cardiorespiratory symptoms

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								-	
Numbers of	deaths (	D) and E	ortalit	y ratios	(R) star	Idardise	i for age	e and s	moki
								:	
			<u>A1</u>	l causes					· · · ·
	Males	8	Mal	es	Female	25	Fenal	es	
	Рор		Sib	S	Рор		Sib	5	
	D	R	<u>D</u>	<u>R</u>	D	<u>R</u>	D	R	
Symptom						· · ·		· .	
<b></b>									• •
Persistent	cough ar	nd phleg	2	an a			•		
Positive	309	133	210	115	74	121	65	129	
Negative	729	90	576	95	629	98	578	98	
		****		*		* * .		** **	
			<u>.</u>						
Chronic bro	onchitis	synarom	<u>e</u>						
Positive	155	198	81	153	41	152	25	145	۰.
Negative	883	92	705	96	662	98	618	99	
		****		****		***		, <b>*</b>	
Angina				ala an an an a' a' an an a'					
	225	174	178	162	106	126	114	15 <del>9</del>	
Positive	225 813	89	608	90	597	96	529	93	
Negative	019	0J ****	<b></b>	****		***		****	
						•			
Infarction									•
Positive	216	173	139	143	85	138	66	119	٠,
Negative	822	90	647	94	618	96	577	98	
		****		****		***		N.S.	•
One or mor		ve four	evmntom	e .					
Une of Mor						· · · ·	- <b>-</b> -		ta ar
Positive	498	142	350 S	124	193	121	181	137	
Negative	540	, <b>79</b>	<b></b>	86	510	94	462	90	
		****		****		****		****	
Claudicati	on							•	
	50	195	⊶ ⊶ 30	147	16	148	11	110	
Positive	988	. 195 	756	99	687	99	632	100	1. Č
Negative	300 +			**		<b>X.S.</b>		N.S	· · · ·

「自動の設置はない」

# TABLE 36 Cardiorespiratory symptoms (continued - 1)

ing

					\	and and for	·	
umbers of d	eatns (D)	and mor	tality 1	atios (R	) Standa	irdised ic	r age s	mu smok
			Tam	g Cancer				•
			Irany	<u>cancer</u>				•
							<b>T</b> 1	
	Males	· · · · · · · · · · · · · · · · · · ·	Male		Female	es	Female	
	Pop		Sib	5	Pop D	100 100	Sib	R
	<u>D</u>	R	<u>D</u>	<u>R</u>	<u> </u>	<u>R</u>	<u>D</u>	<u></u>
Symptom								
Persistent	cough an	d nhlegm						
			ê de la composition de		•	(002)	0	(80)
Positive	45	139	34	145	8	(263)	2	(86)
Negative	82	87	57	84	12	71	19	102 N.S.
		***		***		***		N.S.
Chronic bi	onchitis	syndrome	<u>e</u>					
Positive	14	130	11	164	5	(392)	1	(138)
Negative	113	97	80	95	15	80	20	99
		N.S.		*		****		N.S.
Angina								
. <u>Angina</u>						7101\	· · ·	(95)
Positive	14	85	20	152	3 17	(121) 97	2 19	101
Negative	113	102	71	91 **	16	». N.S.	-10	N.S.
	Ţ	N.S.		**				
Infarctio	<u>n</u>							
Positive	24	151	13	112	4	(232)	2	(122)
Negative	_ 103	93	78	98	. 16	88	19	98
		**		N.S.		*		N.S.
One or mo	re of abo	ve four	symptom	3				
					9	160	4	(86)
Positive	59	127	45	129	9 11	100 77	17	104
Negative	68	84	46	82 **				N.S.
		**						
Claudicat	ion				Ϋ́Ε.			
Positive	7	(190)	1	(40)		) (221)	0	(0)
Negative	120	97 .	90	102 🤛	, <b>. 19</b> -		21	102
		*		-N.S.		, <b>N.S.</b>		N.S.
2012年1月1日の日本の1月1日の		90 D 2			Sector Content	Mary Contract of the	E State State	Sector States

# TABLE 36 Cardiorespiratory symptoms (continued - 2)

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						an a		
		<u>Co</u>	ronary I	leart Dis	sease			
				<b>A</b>				
	Males	•	Male	S	Females		Females	
	Рор		Sibs		Pop	- <b>.</b>	Sibs	
	<u>D</u>	R	D	R	D	R	<u>D</u>	<u>R</u>
		· · · ·		· *.				
Symptom								
Persistent	cough an	d phlegm			•		· _	
		120	68	109	24	148	15	119
Positive	101 276	94	197	97	157	95	140	98
Negative	.210	**		N.S.		**	· · · · ·	N.S.
		* ¹		- ·				
Chronic br	onchitis	syndrome	<u>.</u>					
Positive	51	187	21	117	13	182	7	(162)
Negative	326	93	244	99	168	97	148	98
		****		N.S.		**		N.S.
					- -			
Angina				107	36	164	37	205
Positive	103	227	69	187	145	91	118	.86
Negative	274	83	196	86	140	***		****
		****		****		a sa		
Infarctio	<u>n</u>							
	98	216	56	173	32	199	20	141
Positive Negative	279	84	209	90	149	90	135	96
Negarive		****		****	9. 1	****		
				<b>a</b>				
One or mo	ore of ab	ove four	symptom	5			<b>51</b>	155
Positive	191	151	124	129	69	164	51 104	85
Negative	186	74	141	83	112	81 ****	TO4	****
		****		****				
Claudica	tion							
Claudica			10	197	2	70		(7:
Positive		237	13	197 98	179	100	, 153 🖨	985 - 116)
Negative	355	97	252	90 ***		N.S.		$\mathcal{M}$

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# TABLE 36 Cardiorespiratory symptoms (continued - 3)

승규는 가는 것 않는 것을 할 수 있는 것이 없다.							:	
	i de la compañía de la			CNSLD				
	Males		Mal	.es	Fema	آمو	Femal	100
	Рор		Sib		Ро	and the second	Sit	· •
	<u>.</u>	R	<u>D</u>	<u>R</u>	<u>D</u>	R	· · · ·	
Symptom					-	<u></u>	D	<u>R</u>
Symptom			- 					
Persistent	cough an	d phleg	1					· · · ·
Positive	46	339	- 27	253	_	(00.4)		
Negative	14	30	14	255 46	5	(884)	4	(28
**~ P.4 01 4.		****	7.3	40 ****	3	40	11	8
		444 - 1 81 - 1				***	AVIER	
Chronic bro	nchitis	syndrome						
Positive	38	(818)	15	(476)	4	(1574)	- 1.	(21
Negative	22	40	26	69	4	52	- 14	9
		****		****		****		N.
Angina								
Positive	20	264	12	196	2	(197)	6	(34
Negative	40	76	29	83	6	86	9	6
		***		***		N.S.		***
Infarction								
Positive	23	313	5	92	2	(265)	.1	(7
Negative	37	70	36	101	6	83	14	10
		****		N.S.		N.S.		N.
One or more	of abov	e four s	vmptoms					
a c	Field Route							
Positive		254	28	176	6	(332)	8	(24
Negative		20	13	52	2	32	7	6
		****		****		****		**
<u>Claudicatio</u>	<u>)</u>		<b></b>					
Positive	2	(142)	1	(83)	0	(0)	1	(46
Negative	58	99	40	101	8	102	14	9

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	TABLE 30	G Card	iorespii	atory sym	ptons (	<u>continue</u> c	l - 4)	•
					M		100 A	
Numbers of	deaths (D)	and me	ortality	<u>ratios (</u>	R) stan	dardised	for age	and smokin
							n din k Seni Seni Seni Seni Seni Seni	
				<u>Stroke</u>				
								-
\$ if the set.	Males			les	Fema		Femal	les
	Pop			bs	Ро		Sit	)S
	<u>D</u>	<u>R</u>	<u>D</u>	<u>R</u>	<u>D</u>	<u>R</u>	<u>D</u>	<u>R</u>
Symptoms								
Persistent	t cough an	d phleg	<u>ym</u>					
Positive	19	89	24	130	5	67	6	79
Negative	75	103	58	91	93	103	98	102
		N.S.		N.S.		N.S.		N.S.
<u>Chronic</u> br	onchitis	syndrom	1e					
Positive	7	87						
Negative	87	101	11 71	190 93	1	(31)	4	(150)
		*		90 **	97	102 N.S.	100	99
						и.э.		<b>N.S.</b>
<u>Angina</u>								
Positive	19	150	22	178	18	148	16	135
Negative	75	92	60	86	80	93	88	95
		*		***		*		N.S.
Infarction								
Positive	16	142	14	131	12	138	13	144
Negative	78	94	68	95	86	96	91	96
		N.S.		N.S.	⁻	N.S.		N.S.
One or more	e of above	e four	symptoms	5				
Positive Negative	38 56	118 91	41 41	141 77	24	111	23	108
		91 N.S.		***	74	97 N.S	81	98 N.C
						N.S.		N.S.
<u>Claudications</u>	on i contra cont							
Positive	2	_ <b>(81)</b>	3	(120)	2	(147)	1	(60)
Negative	92	101	79	99	96	99	103	101
		N.S.		N.S.		N.S.		<b>N.S.</b>
COMPANY AND A STATE OF	BROCK PERSON AND STREET	المراجع المراجع المراجع	and the second second		and the second	1-02.1 1.1.1	and the second	and the second

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	•		-		- 69 -	۰ ۱۰ ۱۰ ۰	,		
			-	· · · · ·				3	
		TABLE 36 C	ardior	espirato	ry sympto	ons (con	tinued -	<u>5)</u>	
N	lumbers of	deaths (D)	and mo	<b>n</b> + 0] i + 4		<b>D</b>			
		deaths (D)		<u>rtaiity</u>	<u>ratios (</u>	R) Stand	ardised	for age	and smoking
				Oth	er cause	S			
8 1 1									<b>``</b>
		Males		Mal	es	Femal	es	Femal	<b>A</b> 2
		Pop		Sib		Pop		Sib	
		<u>D</u>	<u>R</u>	D	<u>R</u>	D	<u>R</u>	D	<u>R</u>
	Symptoms								
		it cough and	nhler	m					
								ا المحمد الأولى المراسمة مع	
1. 17 75	Positive		123 94	57	84	32	95	्र <b>. 38</b>	145
	Negative	- 202	94 **	250	104 N.S.	364	100 N.S.	310	96 **
					N.D.		n.5.	1.25.42	** 400
	<u>Chronicus</u>	ironchitis s	yndrom	<u>e</u>					
	Positive	45	162	23	119	18	119	12	133
	Negative	335 	95	284	<b>99</b>	378	99	336	99.
					N.S.		N.S		N.S.
	Angina								
	Positive	69	146	55	132	47	101	53	139
- 19-19 - 19 B	Negative	311	<b>.</b> 93	252	95	349	100	295	95
			****		**	s	N.S.		N.S.
	Infarctio	<u>m</u> ł			-		• • • •		
	Positive	* 55 •	122	51	137	35	102	30	103
	Negative		97	256	95	361	100	318	100 -
			N.S.		**		N.S.		N.S.
	One or mo	re of above	four	symptoms					
	<b>1.4</b>		127			85	96	95	135
. 3.4	Positive Negative	158 222	87	112 195	105 97	311	101	253	133 91
	ALL		****		N.S.		N.S.		****
	- <u>Clauditea</u> r	<u>UOD</u>							
	<b>Posititity</b> e		194	.12	159	11	183	7	137
	Negatove	263	98	295	<b>99</b>	385	99	341	99
			***		*		2437 <b>**</b> 7 4 4		N.S.

N.S.
						rdised fo	or uge a	and SHOKIN
		All caus	es: Foll	<u>ow-up p</u> e	<u>riod</u> 1-5	_years	-	
	Mal	es	Ma	les i	Fena	les	Гела	-
	Ро	P	Si		Po			bs
	<u>D</u>	<u>R</u>	. <u>D</u>	Ŕ	D	R	D	R
Symptoms								· · · · · · · · · · · · · · · · · · ·
Persistent	cough a	nd phleg	<u>m</u>					
Positive	96	126	68	131	19	112	16	113
Negative	226	92	142	90	181	99	158	99
		***		***		N.S.		N.S.
Chronic br	<u>onchiti</u> s	syndrom	le					
Positive	58	201	- 30	184	10	129	7	(142)
Negative	264	90	180	93	190	99	167	99
		****		****		N.S.		N.S.
Angina			<b>. h</b> i t					
			- <b>1</b> 1 1					
Positive	96	209	, 61 () 140	184	, 34 100	142	34	168
Negative	226	82 ****	- 149 . 	84 ****	166	, 94 **	140	91 ****
Infarction								
Positive	94	220	51	180	24	132	10	67
Negative	228	. 82	159	88	176	97	164	103
		****		****		Ń.S.		N.S.
One or mor	<u>e of abo</u>	<u>ve four</u>	symptoms					: .
Positive	175	151	112 -		58	128	50	37
Nègative	147		. 98		142	. 92	124	137
		. ****		****		**		**
<u>Claudicati</u>	<u>on</u>	$\{ \cdot, \cdot \}$						
Positive	23	<b></b> 228	17		5	(164)	4	(140)
Negative	299	<b>.</b> 96	193		2195°.	99	170	99
		****			i de la composición d Composición de la composición de la comp	* N.S.		N.S.

TABLE 37 Cardiorespiratory symptoms and follow-up period

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TABLE 37 Cardiorespiratory symptoms and follow-up period (continued - 1) 

<u>bers of de</u>								
	<u>A11</u>	causes:	Follow-	up perio	d 6 year	<u>s to en</u> d		
	14			i kana ana ana ana ana ana ana ana ana an				
	. Mal	es	Ma	les	Fena	les	Fena	les
	Po	<b>p</b> .	Si	bs	Po	P	Si	bs
	<u>D</u>	R	<u>D</u>	<u>R</u>	<u><u></u><u></u></u>	<u>R</u>	<u>D</u>	R
Symptoms								
Persistent	cough a	nd phleg	m					
Positive	213	137	_ 142	109	55			
Negative	503	90	434	109 97	55 448	125	49	136
		****		N.S.	720	98	420	97 **
Chronic br	onchitis	syndrom	<u>e</u>				e de la compañía de l	
Positive	97	196	51	139	31	161.3	18	• 146
Negative	619	93	525	97	472	- 98	-451	99
		****		***				*
<u>ingina</u>							- 	
205alibbya	129	155	117	-152 -	72	3500	201	1
Negative	587	93	459	92	431	1119 97	80 389	155 93
		****		****		*		****
		· 注书			in a star			
Infarction		主义 花						
Positive	122	148	. 88	128	. 61	141	56	- 139
Negative	594	94	488	96	. 442	<b>96</b>	-413	. 96
		****		**		****		****
One or mor	e of abo	ve four	symptoms					
Positive	323	138	. 238		135	ī6 <u>13</u>	્યું. ગુજરા	€)⊚
Vegative	323 393	82 ≞		90 	- <b></b> 		31973 31973	3)773) 
ICBALLYC		****		en e				ere Salation
Claudicati	<u>0n</u>							
Positive 📩	27	1.741	<u>1</u> 6	90	iti	ાહાંગ	Ĩ	93
legati ve 🛃	689.15		-563	100	492	્રાં	462	LOG .

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TABLE 37 Cardiorespiratory symptoms and follow-up period (continued - 2)

	Coronar	y heart	disease:	Follow-1	up perio	od 1-5 yea	<u>irs</u>	
		s son e delag References References						
	- Male	8	Ma]	les	Femal	Les	Femal	es
	Рор		Sit	)S	Por		Sib	<b>S</b>
	• <u>D</u>	<u>R</u>	<u>D</u>	<u>R</u>	<u>D</u>	<u>R</u>	<u>D</u>	<u>R</u>
Symptoms				24 같은 가격 빛) 25 일 - 가격 빛 슬 문 가 가격 별				
Persistent	cough an	d phlegm	E.	영화하다 가지를 수 같은 것은 가지를 가지? 전 것				
Positive	31	112	24	124	6	(176)	2	(67)
Negative	86	96	51	92	32	93	34	103
		N.S.		N.S.		N.S.		N.S.
		owndwowe			•			
Chronic bro	meni ci s							
Positive	. 19	186	8	133	3	(191)	1	(94)
Negative	98	92	67	97	35	96 N 6	35	100 N.S
		***		N.S.		N.S.		п.э
Angina 🛼								
Positive	51-	313	21	172	10	(219)	11	(241
Negative	66	66	54	86	28	84	25	80
		****		***				***
Infarction								
			••	187	10	(285)	2	(56
Positive	. 49	319	19 50	86	10 28	(200), 81	- 34	105
Negative	68 -	67	56	00 ***	20	****		N.S
		****						
One or mor	e of Abo	ve four	symptom	<u>s</u>				
Positive	73_	174	38	129	20	225	12	14
Negative	44	59	37	81	18	62	24	8
		****		**		****		N.,
Claudicati	on							
			0	364	1	(165)	1	(15
Positive		- 271	8 67	92		99	35	
Negative	. 107	94	. 67	J4 ****		<b>N.S.</b>		X.

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## TABLE 37 Cardiorespiratory symptoms and follow-up period (continued - 3)

	Second and the second second						
Numbers of deaths	こうが もっちょう とうこうしょう						
		1 . <u> </u>	(1)		*~~	000 900	S M M K 1 M G
그는 가슴 지난 것 같은 것 같			- motiog (K)	a si anna rui seu	TOT		JEVILLE
	(III) and m(	<b>hri HIII</b> V	146103 (10)				
Jumbore of dealing		<u>, , , , , , , , , , , , , , , , , , , </u>					

<u>Coro</u>	nary hear	rt disea	ase: Foll	ow-up p	<u>er10d b 5</u>	rears to	enu	-
	Males	n N	Male	IS	Fenale	8 <b>.</b>	Femal	es
	Pop		Sibs		Рор		Sib	5
	D POP	R	D	R	D		<u>ם</u>	R
	<u>с</u> _							
mptoms								
ersistent o	cough and	phlegm						
ositive	70	124	44	102	18	140	13	135
egative	190	93	146	99	125	96	106	97
		**	방법 방법 등의 가지. - 관리 2월	N.S.		N.S.	•	N.S.
<u>hronic bro</u>	<u>nchitis</u>	syndrome	2.05 (d) 				_	(
ositive	32	188	13	110	10	179	6	(184)
egative	228	94	177	99	133	97	113	98
		****		N.S.		*		N.S.
ngina						149	26	192
ositive	52	<b>179</b>	.48	194	26		93	88
legative	208 - 📖	90	<b>142</b>	- 86	117	93	93	****
		****		****		**		
Infarction				167	22	175	18	170
Positive	49	163	37		121	93	101	93
Negative	211	92	153	91	141	***		#1
		****		***				
One or mor	e of abo	ve <u>fo</u> ur	symptoms	5				
			86	129	49	148	39	15
Positive	<b>118</b>	140	104	84	94	86	80	8
Negative	5, 142	81	17.3	***		***	· · ·	**1
		****						

-up period 6 years to end

in de la composition Composition de la comp

## <u>Claudication</u>

N

	auc																	
																:(5		
													(4-					
									(1									
	sit																	
																	1	
									1		42		10					
	gat															N.		

### TABLE 38 Cardiorespiratory symptoms and other factors

<u>Nur</u>	<u>nbers at</u>	risk (N)	<u>and per</u>	centage wi	th symptoms (%)	
				tion Sample		
		РСР	СВ	Angina	Infarction	
Factor	<u>N</u>	<u>%</u>	<u>%</u>	76		Claudication
<u>Smoking</u>					<u>%</u>	<u> </u>
Never smoked	520	6.3	2.1	7.1	8.1	
Current cigarettes	2695	26.2	7.3	11.5	13.1	0.6
Others	1555	11.6	5.1	11.2	12.2	2.6
Social class					<b>-4.4</b>	1.4
I or II						
III	604	14.6	3.6	9.9	12.4	1.3
IV or V	2479	18.6	5.3	10.3	11.7	2.1
	1206	22.6	8.0	12.6	13.6	2.2
Exercise						
None	265	29.4	15.1	13.2	1-7-7	
Slight		21.6	8.9	13.3	17.7 15.4	0.8
Moderate	2982	17.8	5.0	11.0	12.7	2.6
leavy	682	19.9	4.0	7.5	11.7	2.2
Irbanization						0.7
- <u>i 4</u>						
Conurbations	1690	22.2	7.2	11.7	12.8	2.6
Jrban (	2211	18.4	5.6	10.9	12.6	1.7
lural Za	868	15.7	4.7	9.6	10.5	1.7
Truly Rural England and ales only)	- <b>49</b>	8.2	0.0		Not studied .	

Numb	ers at r	isk (N)	and perc	entage with	h symptoms (%)	
		Males	- Siblin	gs Sample		
		PCP	СВ	Angina	Infarction	Claudicati
Factor	<u>N</u>	<u>%</u>	<u>%</u>	<b>%</b>	<u>*</u>	<b>a</b> r <u>10</u>
Smoking						
lever smoked	347	5.2	1.4	6.9	7.5	0.6
Current cigarettes	1875	27.7	6.4	12.5	11.9	2.2
)thers	1097	11.6	3.6	11.8	11.9	1.9
Social class						
	425	15.1	1.9	8.7	11.5	1.2
lor II H	1917	21.0	4.8	12.0	11.8	2.2
Yor V	791	21.0	7.1	12.9	10.4	1.9
<u>Exercise</u>						
lone	158	29.1	12.7	19.6	18.4	3.2
light	543	22.8		16.9	14.5	2.2
loderate -	2011	19.2	4.4	9.9	10.7	1.9
léavy	380	16.3	1.8	8.7	7.6	1.3
Jrbanization_			E.			
	1277	22.8	5.3	13.0	12.7	2.1
Conurbations	1498	18.9	4.9	11.2	11.2	2.1
Urbán ∔- Poi−ol	540		4.3	9.8	9.3	1.3
Rural						
Truly Rural (England and	28	14.3	3.6		Not studied .	
(England and Wales only)						

#### TABLE 38 Cardiorespiratory symptoms and other factors (continued - 1)

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#### TABLE 38 Cardiorespiratory symptoms and other factors (continued - 2)

	Numbers at	risk (N)	and perc	entage wit	n symptoms (%)	-
		<u>remales</u>	- Popula	tion Sampl	<b>e</b> .	
		РСР	СВ	Angina	Infarction	Claudication
Factor	· <u> N</u>	<u>%</u>	<u>%</u>	<u>%</u>	<u> <del>%</del></u>	<b>~</b>
Smoking						
Never smoked	2120	4.2	2.0	11.1	6.9	1.1
Current cigaret	tes 1893	14.6	5.7	10.5	8.9	1.9
Others	1280	5.7	3.2	10.6	8.8	1.6
Social class						
I or II	670	6.7	2.1	8.1	9.4	0.9
III	2522	7.5	3.1	10.1	7.1	1.6
III IV or V	1251	10.4	5.0	14.6	9.0	1.9
14 01 4						
Exercise	$\mathbf{z}$					
None	365	9.9	5.8	9.9	8.5	3.0
Slight	769	11.1	5.1	13.4	10.3	1.3
Moderate	3706	7.2	3.0	10.6	7.4	1.3
Heavy	253	11.1	3.6	7.9	9.5	1.6
Urbanization						
					7 8	1.2
Conurbations	1858		4.4	11.4	7.8 8.4	1.7
Urban	2530		3.2	10.8		1.6
Rural	903	7.0	3.1	9.7	7.9	<b></b>
Truly Rural (England and Wales only)	54	5.6	1.9		Not studie	d

Numbers at risk (N) and percentage with symptoms (%)

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## TABLE 38 Cardiorespiratory symptoms and other factors (continued - 3)

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### Numbers at risk (N) and percentage with symptoms (%)

# <u>Females - Siblings Sample</u>

		PCP	СВ	Angina	Infarction	Claudication
Factor	<u>N</u>	<u>%</u>	<u>%</u>	<u>7/0</u>	<u>%</u>	<u>%</u>
Smoking						
Never smoked	1694	9.0			<b>7</b> 0	
Current cigarettes		3.2	1.1	11.1	7.9	1.2
(1987) 14 전 14 전 18 전 18 전 18 전 18 전 18 전 18 전	1566	15.7	4.7	9.9	8.0	2.1
Others	1054	5.1	2.4	10.7	7.2	0.8
Social class						
I or II	401	9.2	2.5	7.0	8.5	0.5
i III (	1474	8.3	2.6	10.4	8.3	1.9
IV or V.	1096	8.7	3.0	10.8	7.8	1.6
					•••	
<u>Exercise</u>						
None	335	9.9	3.0	14.9	9.0	1.8
Slight	602	9.5	4.2	12.8	7.8	2.0
Moderate	2735	7.9	2.4	9.8	7.4	1.3
Heavy	193	8.8	4.1	10.4	10.9	1.0
<u>Urbanization</u>						
Conurbations	1730	9.7	3.8	11.3	7.8	1.8
Urban 🖉	1930	7.3	2.2	10.6	8.0	1.3
Rural	651	7.2	1.4	8.6	7.1	0.8
Truly Rural (England and	34	5.9	2.9	•••••	. Not studied	
Wales only)						

#### TABLE 39 Cardiorespiratory symptoms and other factors

Numbers of deaths of symptom positives (DS) and relative mortality ratios of symptom positives to symptom negatives (RM) standardised for age and smoking

All causes - chronic bronchitis syndrome

	<b>N</b>								
	Ma	les	Ma	ales	Femal	les	Fema	les	
	• P	qo	Si	ibs	Pop	)	Sibs		
Subgroup of population	<u>DS</u>	RM	DS	RM	DS	RM	DS	RM	
Social class I or II	-15	2.20	4	(2.05)	3	(1.67)	1	(0.86)	
Social class III	71	2,09	45	1.46	20	2.20	8	1.39	
Social class IV or V	54	2.15	27	1.43	8	0.90	6	(1.40)	
Exercise - none	22	1.84	12	1.61	6	(1.30)	3	(1.20)	
Exercise - slight	45	1.91	19	1.87	10	1.57	4	(0.97)	
Exercise - moderate	77	1.96	38	1.30	22	1.48	12	1.34	
Exercise - heavy	9	1.43	3	(1.25)	1	(1.95)	.1	(1.93)	
Conurbation residence	71	2.19	37	1.82	17	1.42	15	1.35	
Urban residence	65	1.88	36	1.41	17	1.56	8	1.37	
Rural residence	19	1.72	8	1.12	7	(1.64)	2	(1.49)	

#### TABLE 39 Cardiorespiratory symptoms and other factors (continued - 1)

Numbers of deaths of symptom positives (DS) and relative mortality ratios of symptom positives to symptom negatives (RM) standardised for age and smoking

		<u>A11 c</u>	auses -	angina				
	Male			1 <b>es</b>	Fema	les	Fema	ales
	Poj	<b>)</b>	Si	bs	Poj	<b>p</b> .	Si	lbs
Subgroup of population	DS	RM	<u>DS</u>	RM	DS	RM	DS	RM
Social class I or II	27	1.78	18	2.00	12	2.02	6	(1.57)
Social class III	104	1.92	101	1.58	43	1.37	33	(1.74)
Social class IV or V	64	1.66	51	1.85	28	1.24	32	2.08
Exercise - none	17	1.57	16	1.54	5	0.52	20	2.09
Exercise - slight	48	1.84	45	1.79	26	1.59	20	1.39
Exercise - moderate	139	1.87	90	1.70	68	1.42	56	1.53
Exercise = heavy	17	1.91	10	1.31	1	(0.49)	1	(0.48)
Contrbation residence	92	1.82	76	1.74	35	1.05	50	1.51
Urban, residence	98	1.72	78	1.69	52	1.44	49	1.67
Rural residence	35	2.00	24	1.58	19	1.63	15	1.96

MADT TO OO				12.1		·		
TABLE 39	Cardiores	niratory	symptoms	∵and	other	factore	(continued -	<b>0</b> \
	our droi op	paradory	o j mp como	uniu	OCHET	TACIOIS	(continued .	- 2}

	Numbers of deaths of symptom positives (DS) and relative mortality ratio	he
	of Symptom positives to symptom negatives (RM) standardised	13
2	for age and smoking	

	C	ore	ona	irv	, he	art	: d	ise	ase	- 0	chro	onic	: bro	nchi	tis	svn	dron	10	• •	
											Ma]				'епа				Fema	

	Рор		Si	.bs	Pol	<b>)</b>	Si	bs
Subgroup of population	DS	<u>RM</u> .	<u>DS</u>	RM	<u>DS</u>	RM	DS	RM
Social class I or II	4	(1.76)	2	(2.94)	0	(0.00)	· 0	(0.00)
Social class III	21	1.67	10	0.88	6	(2.43)	1	(0.89)
Social class IV or V	19	2.46	9	1.47	3	(1.36)	0	(0.00)
Exercise - none	4	(1.01)	2	(1.10)	2	(1.61)	1	(1.41)
Exercise - slight	13 -	1.34	7	(1.86)	2	(1.00)	2	(2.24)
Exercise - moderate	32	2.32	8	0.75	8	(2.25)	3	(1.45)
Exercise - heavy	2	(0.97)	2	(2.56)	1	(6.47)	0	(0.00)
Conurbation residence	<b>.21</b>	1.88	10	1.29	4	(1.35)	5	(1.91)
Urban, residence	23	1.91	10	1.31	6	(1.91)	2	(1.40)
Rural residence	- 7	1.80	1	(0.36)	3	(2.94)	0	(0.00)

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#### TABLE 39 Cardiorespiratory symptoms and other factors (continued - 3)

Numbers of deaths of symptom positives (DS) and relative mortality ratios of symptom positives to symptom negatives (RM) standardised for age and smoking

## <u>Coronary heart disease - angina</u>

	Male	is a	Ma	les	Fema	les	Гепа	les
	Pop		Si	bs	Ро	P	Si	.bs
Subgroup of population	<u>DS</u>	<u>RM</u>	<u>DS</u>	RM	<u>DS</u>	RM	DS	RM
Social class I or II	11	2.03	10	(5.28)	6	(3.61)	0	(0.00)
Social class III	44	2.37	35	1.59	17	2.20	6	(1.44)
Social class IV or V	29	2.75	21	2.25	6	1.18	9	(2.28)
Exercise - none	6	2.09	4	(1.48)	1	(0.31)	7	(1.84)
Exercise - slight	22	2.58	18	2.31	9	(1.95)	. 8	(2.30)
Exercise - moderate	64	2.51	39	2.20	23	2.32	17	2.28
Exercise - heavy	-10	(3.54)	1	(0.31)	1	(3.41)	0	(0.00)
Conurbation residence	36	2.13	31	2.11	9	1.17	17	2.12
Urban residence	48	2.67	28	<b>_2.</b> 05	21	2.22	16	2.38
Rural residence	19	3.64	<b>, 10</b>	1.76	6	(2.24)	4	(2.76)

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APPENDIX I

#### Variable names, brief variable definitions and

frequency distributions

					Mala Counta			Remala Counte	
Variante Name	ruti variabio <u>Namo</u> ⁷	Codes	Codes Code Meaning	Pop.	S1b 35-69	S1b 35+	Pop.	S1b 35-69	S1b 35+
		> 2	alglt code number	4770	3319	3574	5293	4314	4690 •
SEX	Sex as recorded on	F	Male	4770	3319	3574	0	0	C
	questionnal re	8	Female	0	0	0	5293	4314	4690
COUNTRYQ	Current residence at	٦	England	3162	2280	2415	3456	2871	3088 
	time of questionnaire	61	Scotland	1482	910	1012	1691	1285	1435
		<b>0</b>	Wales	125	125	143	144	157	166
		4	Outside G.B.	F	4	4	8		-
COUNTRYL	Longest residence at	H	England	3120	2179	2312	3437	2769	2977
	time of questionnaire	8	Scotland	1475	1007	1111	1663	1372	1526
		e	Wales	150	130	148	162	162	174
	「「「「「」」、「」、「」、「」、「」、「」、「」、「」、「」、「」、「」、「」	4	Outside G.B.	4	0	0	З	0	0
		T T	Not stated	21	3	3	28	TT State	13
COUNTRYB	Country of parents'	н	England	2934	2044	2161	3224	2608	2798
	residence at time	7	Scotland	1408	1056	1164	1606	1427	1584
	of birth	ო	Wales	185	164	182	208	208	221
		<b>4</b>		152	36	46	166	43	51
		in i	United States	9	က	4	7	7	11
		51	Canada	G	n	3	10	6	6
		- c	Australasia	-	0	0	٦	F	1
		x a	India	16	2	8	19	4	ß
		ື ດີ (	Africa	2	9	9	ິຕ		, H
		0 0	Norway	0	0	0	-	0	0
		2 7	kest	35	0	-	27	8	0
			Not stated	11	Q	2 2	21	4	7
FARMBORN	Whether parents	H	Yes	407	182	197	361	204	241
	lived on farm when	27	No	4225	3072	3308	4670	3943	4255
	Ch11d was born		Not stated in the second s	138	65	69	262	167	194
MARITAL	Marital status	Н	Married	4288	2946	3119	4086	3239	3364
		2	Widowed	118	117	183	634	557	768
		e	Never married	298	206	221	472	430	466
		4	Other	46	39	40	86	<b>4</b> 6	82
		1-	Not stated	20		11	15	6	10
(1) とういうに、たいたいに、 (1) とういう									

Turbuilty         And term         And term         And term         And term         And term           windows         Orde								
Other         Other Main IA         Point $110^{-1}$ $10^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ $110^{-1}$ <th>11 Variabia</th> <th></th> <th></th> <th>Male Count:</th> <th></th> <th>in the second second</th> <th>Female Count</th> <th>Ē</th>	11 Variabia			Male Count:		in the second	Female Count	Ē
		Code 1	Pop.	S1b 35-69	S11	Pop.	S1b 35-69	81b :
accurative         1-7         222         240         261         400         261         400         261         400         261         400         261         400         261         200         261         200         261         200         261         200         261         200         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201 <th< th=""><th></th><th>0</th><th>898 S</th><th>2.18</th><th>241</th><th>40</th><th>14</th><th></th></th<>		0	898 S	2.18	241	40	14	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			322	240	262	587	495	505
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	IMOKOG		584	392	430	699	521	53(
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		13-17	432	267	273	322	248	251
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		23-27		110 110	5 T O T S	2/2 70	302 70	õe S
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		28-32	146	106	110	22	, 7 7 7	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		33-52 % · · · · · · · · · · · · · · · · · ·	33	69	66	16	19	31
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			7 80	en 3	<b>n</b> 4	1.55	1	[
		Not	1957		1407	3130	2515	121 283f
cigarettes         1-7         17         16         11         12         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         14         13         13         14         13         13         14         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13	elghtain grams per		2259	1620	1703	2063		178
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	ay of HR cigarettes	<b>1-7</b>	17	10	11.	• 000		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	urrently smoked	8-12	46	26	33	1 0		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			32	17	17	•	8	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			119	73	17	6	0	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$				50	02	0		•••
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		23-52 33-52	100	84	87 80		<b>? (7</b>	•• •
-1       Not stated       65       37       40       68       62       2       2       3131       2516       2       2       6       62       2       2       3131       2516       2       2       3       40       68       62       313       2516       2       3       4       63       3       3       4       3       3       6       62       43       3       6       62       3       6       62       3       6       62       3       6       63       3       1       2       6       63       63       3       3       3       3       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       <		53+	16	• 0	<b>,</b> 0	<b>,</b> c	o –	• • •
-2       Not applicable       1957       1346       1407       3131       2516       2 $noked$ for as       0       2       2       2       2       3       6       6       731       319       210       216       131       216       2       3       6       6       437       319       259       210       317       319       259       210       317       317       317       317       317       317       317       317       317       317       317       317       317       317       317       317       317       317       317       317       317       317       317       317       317       317       317       317       317       317       317       317       317       317       317       317       317       317       317       317       317       317       317       312       317       312       317       317       317       312       317       317       313       317       313       317       313       317       315       316       18       316       18       316       18       316       313       316       315       326       316		Not a	65	37	40	68	62	80
Noked for as022234year, grams $1-7$ $1-7$ $181$ $126$ $142$ $574$ $319$ $8-12$ $509$ $363$ $363$ $388$ $582$ $437$ $8-12$ $509$ $363$ $349$ $582$ $437$ $13-17$ $157$ $335$ $349$ $290$ $210$ $13-17$ $18-22$ $807$ $566$ $582$ $359$ $317$ $13-22$ $807$ $566$ $582$ $359$ $317$ $23-27$ $210$ $178$ $186$ $41$ $16$ $23-27$ $210$ $178$ $186$ $41$ $16$ $23-52$ $132$ $106$ $107$ $18$ $16$ $23-52$ $132$ $106$ $107$ $18$ $16$ $23-52$ $132$ $106$ $107$ $18$ $32$ $23-52$ $132$ $106$ $107$ $18$ $32$ $23-52$ $177$ $99$ $107$ $12$ $326$ $23-52$ $177$ $917$ $106$ $107$ $110$ $23-52$ $177$ $917$ $120$ $216$ $226$ $-1$ Not stated $290$ $174$ $161$ $310$ $243$ $67$ $335$ $346$ $1497$ $3102$ $244$ $1-7$ $246$ $133$ $373$ $402$ $659$ $40$ $613$ $373$ $402$ $659$ $480$ $8-12$ $8-12$ $613$ $373$ $402$ $659$ <	<b>1</b>	Not al	1957	1346	1497	3131	2516	283'
year, grams $1-7$ $181$ $126$ $142$ $374$ $319$ $8-12$ $8-12$ $509$ $363$ $388$ $582$ $437$ $8-12$ $8-12$ $509$ $363$ $388$ $582$ $437$ $13-17$ $13-17$ $506$ $363$ $389$ $290$ $210$ $18-22$ $807$ $566$ $382$ $339$ $217$ $41$ $18-22$ $807$ $566$ $582$ $339$ $217$ $41$ $18-22$ $210$ $178$ $186$ $33$ $41$ $23-27$ $210$ $178$ $186$ $32$ $54$ $23-52$ $132$ $106$ $107$ $18$ $16$ $33-52$ $132$ $106$ $107$ $18$ $16$ $33-52$ $132$ $106$ $107$ $18$ $16$ $33-52$ $132$ $106$ $107$ $18$ $16$ $33-52$ $17$ $16$ $107$ $18$ $16$ $53+$ $01$ $applicable157134617131302610433536424a, a00433734026594808-128-12613373402659480$	faximum smoked for as	0	N	CI	2	ຕ	8	-
		1-7	181	126	142	374	319	321
137-10 $157$ $335$ $349$ $290$ $210$ $18-22$ $18-22$ $807$ $566$ $582$ $359$ $317$ $18-22$ $1807$ $566$ $582$ $359$ $317$ $18-22$ $290$ $178$ $196$ $107$ $18$ $16$ $23-52$ $132$ $106$ $107$ $18$ $16$ $23-52$ $132$ $106$ $107$ $18$ $16$ $23-52$ $177$ $9$ $107$ $18$ $16$ $53+$ $177$ $9$ $107$ $1197$ $3130$ $2516$ $23$ $0$ $1957$ $1346$ $1497$ $3130$ $2516$ $2$ $21$ $0$ $43$ $35$ $36$ $65$ $42$ $1-7$ $0$ $43$ $353$ $373$ $402$ $659$ $480$ $8-12$ $8-12$ $613$ $373$ $402$ $659$ $480$	er day	8-12	<b>5</b> 09	363	388	582	437	44
day, a03732030317 $23-27$ 23-2721017818641 $23-32$ 23-521321061071816 $33-52$ 1321061071816 $53+$ 179101816 $53+$ 1791022 $53+$ 1791022 $53+$ 1791022 $53+$ 171339622 $613$ 35713461497313025162 $1-7$ 0433536659480 $8-12$ 8-12613373402659480			457	335 5 6 6	349	290	210	21:
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		23-27	210	17.K	004 186		110	2 4
33-52 $132$ $106$ $107$ $18$ $16$ $53+$ $53+$ $17$ $9$ $10$ $2$ $2$ $-1$ Not stated $290$ $153$ $174$ $451$ $396$ $-2$ Not applicable $1957$ $1346$ $1497$ $3130$ $2516$ $2$ $-2$ Not applicable $1957$ $1346$ $1497$ $3130$ $2516$ $2$ $-2$ Not applicable $1957$ $1346$ $1497$ $3130$ $2516$ $2$ $1-7$ $6$ $6$ $43$ $35$ $366$ $65$ $42$ $8-12$ $8-12$ $613$ $373$ $402$ $659$ $480$		28-32	208	135	137	32.5	- <b>-</b> - <b>-</b>	с н С
53+ $17$ $9$ $10$ $2$ $2$ $-1$ Not stated $290$ $153$ $174$ $451$ $396$ $-2$ Not applicable $1957$ $1346$ $1497$ $3130$ $2518$ $2$ $-2$ 0 $43$ $35$ $36$ $65$ $42$ $2$ $1-7$ $246$ $184$ $202$ $338$ $358$ $358$ $358$ $8-12$ $8-12$ $613$ $373$ $402$ $659$ $480$		33-52	132	106	107	18	16	
$-1$ Not stated290153174 $\cdot 511$ 396 $-2$ Not applicable195713461497313025182 $1-7$ 04335366542 $1-7$ 246184202.138358 $8-12$ 8-12613373402659480			17	6	10	21	8	
day, a $-2$ Not applicable 1957 1346 1497 3130 2516 2 1 $-7$ 0 $-43$ 35 36 65 42 1 $-7$ 246 184 202 438 358 8 $-12$ 8 $-12$ 659 480		ম	290	153		151	396	- 42
day, a 0 43 35 36 65 42 1-7 246 184 202 338 38 38 38 8-12 8-12 613 373 402 659 480			1957	1346	1497	3130	2516	283
1-7     246     184     202     438       8-12     613     373     402     659     480	day,	0	43	35	36	65	42	4
613 373 402 659 480	car ago	1-7	246	184	202	138	358	36
		8-12	613	373	402	629	480	48

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	Male Counts	S1b 35-69	COC	525	676	051	100	70	4	210	1348	575	929	390	75	1350	835	382	103	36	1963	49	202	96	242	58	78	4F	DT T	2434	605 605	205 294	76	2344	232	468	187	
		Pop.	AES		120	G / T	182	100	10	224	1957	817	1383	484	127	1959	1151	589	136	107	2787	06	276	156	314	89	110		138	3506	851	372	171	3376	311	628	253	
	•••	Code Meaning	13-17	18-22	23-27	98-30		20-02		state	Not applicable	<16	16-19		Not stated	Not applicable	Yes, regularly	No, never	Occasionally		Not applicable	1- 7	8-12	13-17	18-22	23-21 20-23	20-52 33-52	53+	Not stated	Not applicable	Yes	No	Not stated	Not applicable	<16	16-19	20+	
	•	Codes	۔ می د د				• •			-+ c !	7			• • •	-1 C 1			21	، ن	-4 c 1	N 1		· · ·			•		• •	ц Г	12	Ħ	01	-1	-2				
	Full Variable	Name	Grams per day, a		(contd.)			•				Age when smoking	began				Past cigarette smoking	(of those who answered	NO TOF VARIADIE 10)			ber	cigarettes in the	pas t							Past inhaling habits	for ex-smokers			Age when smoking	began for ex-smokers		
	Variable	Name	<b>U</b> YEARAGO	(contd.)								17 AGESTART					TR EXCIGS					T9 MAXPAST									20 INHLPAST				21 EXSTART			

0 12 144 144 150 150 176 367 367 3793	64 44 29 61 123 197 197 384 384 384	3852 23 15 4 796	88 88 83 20 10 10 10 10 10 10 10 10 10 10 10 10 10
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0 13 52 121 125 175 202 355 355	62 31 54 139 199 1 363 4368	4326 22 14 922	4 4 3 4 8 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
2 26 39 218 218 288 288 288 2513	208 92 131 204 287 287 142 142 2509	2394 238 584 74 284	2 363 27 2 2 491 2 8 3 3 2660 2660
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1910-10 1911-20 1921-30 1931-40 1941-50 1951-60 1961-70 Not stated Not spplicable	Chest symptoms Other Pregnancy Publicity Financial Other Changed to pipe Not stated Not applicable	No Used to but not now Now smoke occasionally Now smoke regularly Not stated	0 1- 7 8-12 13-17 18-22 23-27 28-32 32-52 53+ Not stated Not applicable
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EXSTOP Year when smoking given up for ex- smokers	WHYSTOP Reason for giving up smoking	CIGARS Cigar smoking	NociGARS Number of cigars
	Year when smoking       1910-10       1       0       2       0       0       0         given up for ex-       1911-20       22       19       26       7       0       0         smokers       1921-30       34       33       39       13       12       47       0         smokers       1931-40       75       70       84       52       47       1         1931-40       75       70       84       52       47       1       1         1941-50       288       210       218       121       140       1       1         1951-60       337       290       308       175       143       1       1         1961-70       450       273       288       202       171       1       1         -1       Not stated       185       75       96       355       316       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3 <th>Year when smoking1910-1010200given up for ex-1911-2022132670given up for ex-1911-20233334331312smokers1931-407570845247$1911-50$288210218121140$1911-50$288210218121143$1911-50$337290308175143$1961-70$450273288202171$1961-70$450273288202171$1961-70$450273288202171$1961-70$450273288202171$1961-70$$185$7596355316$1061-70$$152$$185$7596355316$1061-70$$185$75290308175143$1091-70$$185$75290308175143$1091-70$$185$759635531639<math>1091$100$$132$$112$$100$$00$$31$29<math>1091$101$$100$$126$$121$$50$$191$$00$<math>1091$101$$101$$101$$101$$101$$101$<math>1091$101$$101$$101$$101$$101$$101$<math>1091$101$$101$$101$$101$<td< math=""></td<></math></math></math></math></math></th> <th>Vear when smoking         1910-10         1         0         2         19         7         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         <th0< th="">         0         0         0</th0<></th>	Year when smoking1910-1010200given up for ex-1911-2022132670given up for ex-1911-20233334331312smokers1931-407570845247 $1911-50$ 288210218121140 $1911-50$ 288210218121143 $1911-50$ 337290308175143 $1961-70$ 450273288202171 $1961-70$ 450273288202171 $1961-70$ 450273288202171 $1961-70$ 450273288202171 $1961-70$ $185$ 7596355316 $1061-70$ $152$ $185$ 7596355316 $1061-70$ $185$ 75290308175143 $1091-70$ $185$ 75290308175143 $1091-70$ $185$ 759635531639 $109110013211210000312910911011001261215019100109110110110110110110110911011011011011011011091101101101101$	Vear when smoking         1910-10         1         0         2         19         7         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0 <th0< th="">         0         0         0</th0<>

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Ideal         Inhalattor         of $(46)$ $(46)$ $(46)$ $(46)$ $(46)$ $(46)$ $(46)$ $(46)$ $(46)$ $(46)$ $(46)$ $(46)$ $(46)$ $(46)$ $(46)$ $(46)$ $(46)$ $(46)$ $(46)$ $(46)$ $(46)$ $(46)$ $(46)$ $(46)$ $(46)$ $(46)$ $(47)$ $(46)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ $(47)$ <		Codes	Code Meaning	Pop.	Sib 35-69		Pop.	S1b 35-69	Si h
2         Not by stated         646 (1 applicable         646 (1 appli	INHLCIGAR Inhalation of cigars	•	Yes	235	160	16.4			
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Promoting         -2         Not applicable         3653         2436         1888         2011         4189         3676           2         User to but, not now         2344         1888         2011         4193         3676           2         Now mones "peritarity         323         324         1888         2011         4193         3676           3         Now mones "peritarity         323         327         212         200         10         22         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2<				503	300	329	8000	26	27
How subtright         1         No.         294         188         2011         440         2011         440         2011         440         2011         440         2011         440         2011         440         2011         440         2011         440         2011         440         2011         440         2011         440         2011         440         2011         440         2011         440         2011         440         2011         440         2011         440         2011         440         2011         440         2011         440         2011         440         2011         440         2011         440         2011         440         2011         440         2011         440         2011         440         2011         440         2011         440         2011         440         2011         440         2011         440         2011         2011         2011         2011         2011         2011         2011         2011         2011         2011         2011         2011         2011         2011         2011         2011         2011         2011         2011         2011         2011         2011         2011         2011         2011<		17		3563	2433	2635	000	020	776
2     Used to but hot not     234     1488     241     1488     2478       4     Now annole Sectationally     238     231     753     21     22       4     Now annole Sectationally     238     231     230     100     2       5     For annole Sectationally     238     231     230     101     22       1     Nor annole Sectationally     238     231     230     101     22       1     1     1     1     0     0     0     0       1     1     1     1     0     0     0     0     0       1     1     1     1     1     0     0     0     0       1     1     1     1     1     0     0     0     0       1     1     2     137     21     21     21     21       2     2     2     2     2     23     26     20       33-52     2     131     26     20     100     26       33-52     2     26     20     100     10     21       33-52     2     26     203     100     26       33-52     2 <t< td=""><td></td><td>H</td><td>No</td><td>2010</td><td></td><td></td><td>0101</td><td>OACC</td><td>3881</td></t<>		H	No	2010			0101	OACC	3881
3         Now sucke occasionally         123         130         753         21         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         11         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12		8	Used to but not now	0407	200 200	2011	4169	3476	3752
4         Now smoke vertiarly         538         347         150         22         230         1101         822         230         1101         822         230         1101         822         230         1101         822         230         1101         822         230         1101         822         230         1101         822         230         1101         822         230         1101         822         230         1101         822         230         1101         822         230         1101         822         230         1101         822         230         1101         822         230         1101         822         230         1101         822         230         1101         822         230         1101         822         331         331         331         331         331         331         331         331         331         331         331         331         331         331         331         331         331         331         331         331         331         331         331         331         331         331         331         331         331         331         331         331         331         331         331		C	smoke		10.4	753	21	12	14
-1         Not stated $224$ $210$ $100$ $220$ $101$ $220$ $101$ $220$ $101$ $222$ $220$ $101$ $222$ $111$ $10$ $0$ $0$ $1$ $1$ $0$ $0$ $0$ $1$ $11$ $101$ $011$ $101$ $011$ $111$ $101$ $111$ $101$ $111$ $101$ $111$ $101$ $111$ $101$ $111$ $101$ $111$ $101$ $1110$ $1110$ $1110$ $1110$ $1110$ $1110$ $1110$ $1110$ $1110$ $1110$ $1110$ $1110$ $1110$ $1110$ $1110$ $1110$ $1110$ $1110$ $1110$ $1110$ $1110$ $1110$ $1110$ $1110$ $1110$ $1110$ $1110$ $1110$ $1110$ $1110$ $1110$ $1110$ $1110$ $1100$ $1100$ $1100$ $1100$ $1100$ $1100$ $1100$ $1100$ $1100$ $1100$		4			387	130	0 0	8	2
Grams of prime         0         1         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0			. <b></b>	324	212	230	2 1011	C 20	2
tobacco per day $1-7$ $67$ $65$ $69$ $0$ $0$ $0$ $1$ $1-12$ $1-12$ $12-12$ $123$ $22$ $123$ $22$ $106$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$				•		) ) 		770	920
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-1       Not stated $11$ 10       11       0       0         -2       Not applicable       373 $2763$ $299$ $1102$ $847$ $3465$ $345$ 2       Not applicable       373 $263$ $2768$ $4190$ $3465$ $345$ 2       Not applicable $3779$ $2603$ $2768$ $4190$ $3465$ $3496$ $3496$ $3496$ $3496$ $3496$ $3496$ $3496$ $3496$ $3496$ $3496$ $3496$ $3496$ $3496$ $373$ $3263$ $3264$ $44$ $2102$ $3496$ $3496$ $3496$ $3496$ $378$ $3266$ $3178$ $2267$ $4190$ $3664$ $4$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$		-	53+	75	74	62	-	0	0
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$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Actual age at		35-44	1479	866	866	1554	1058	1050
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			45-54	1484	1105	1105	1591	1424	1404
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			63-69	438	311	311	548	490	
			70+	0	C	255			0.50

Var. Variable	Full Variable				Male Counts	m		Female Counts	
	Name	Codes	Code Meaning	Pop.	Sib 35-69	Sib 35+	Pop.	Sib 35-69	S1b 35+
33 CIGSDAY	Current cigarettes			<b>0</b> 	0	0	2	27	ŝ
	a day (manufactured	-	1-7	276	182	201	419	360	370
	and hand-rolled)		8-12	775	509	553	675	524	533
			13-17	519	334	343	327	249	252
			18-22	670	521	531	378	304	310
			23-27	148	120	123	31	44	46
		· · ·	28-32	150	112	116	20	45	45.
			33-02	80 G G	69 69	71	12	19	19
		•	03+ Not stated	10	о С	с 2 2	н г С	0	0
		12		2076	1444	1607	3400	13 2748	3093 3093
34 URBNOW	Urbanisation current		Conurbations	1690	1277	1373	1858	1730	1878
		5	Urban population of	682	462	487	797	582	635
								•	
		က	Urban population of 50-100 000	412	274	295	482	356	371
		4	Urban population of	1117	762	824	1251	992	1097
		ŝ	Rural nonulation	810	510	561	070	5	
	•	C		010	210	100	849 E	119	671 82
		)		r O	07	Dr	<b>4</b> 0	<b>34</b>	C C C
		н Т	sifi	<b>1</b>	4	4	2	n	ო
35 URBLONG	Urbanisation longest	H	Conurbations	1760	1377	1486	1917	1794	1942
		2	Urban population of	663	461	492	790	609	662
									*
		ო	Urban population of 50-100 000	343	249	261	412	292	306
		4	Urban population of	1082	671	724	1173	887	972
		Ľ	<50,000 Pumo1 nonulotion	002				u C T	
		ן ר	Not classifiable	213	419 142	151	277	4/0 257	223 283
<b>36</b> URBBIRTH	Urbanisation birth	-1	Conurbations	1604	1308	1404	1714	1701	1844
		2	ul	600	401	434	710	492	535
				•					
		က	Urban population of 50-100.000	27.5	210	221	317	228 1	3372
		4	Urban population of <50,000	1008	692	735	1119	906	ev6

Variable	Full Variable		-	•	Male Counts		щ.	Female Counts	•
Namo	Name	Codes	Code Meaning	Pop.	S1b 35-69	Sib 35+	Pop.	S1b 35-69	S1b 35+
36 URBBIRTH	Urbanisation birth	C	Rural population	785	491	540	794	610	673
(contd.)	(contd.)		Not classifiable	498	217	240	639	377	419
37 CLA8SQ	Social class from		<b>.</b>	124	26	101	119	17	18
	questionnatre	N		480	328	345	551	384	412
		<del>ເ</del> ກຸ		2479	1917	2057	2522	1474	1527
		ร <b>า</b> ย.	LV V	898	586	650	951	935	1003
		) <del>-1</del> 1	Not classifiable	481	203 186	222	300 850	161 1343	175 1555
38 DATED	Date of death	Four di	Four digit number, first two		-				
		month,	ear	. 1.					
			1964		18	24			
			1965	32	44	59	10	38	0.1
			1966 1067_60	57	46	61	29 📫	32	48
			1969-70	134	87 8	116	85	80	109
			1971-72	179	132 132	164 164	105 93	78 103	114 130
			1973-74	196	144	171	153	105	138
			1975-76	224	154	184	162	141	179
			1977	74	63	72		53	72
		TORR	AllVe	3732	2533	2593	4590	3671	3811
39 COUNTRYD	Country of death		England	669	501	602	466		513
		N 7	Scotland Welse / P. Mar. /	303	238	319	212	237	330
		<del>ب</del> ک (		00 T	4 V 0	00	25	27	34
		ମ 1	'Alive	3732	2533	2593	4590	3673	3813
<b>40</b> CLASSD	Social class from	<b>H</b>	I	42	21	23	15	6	14
	death certificate	01	11	161	134	160	104	108	150
		n ∠		474	394	496	268	266	358
		<b>ب</b> ا	TV V τ	214	146	184 75	141 = 0	101	129
		. 6	Not classified	46	6 C 7 7 7	43	00 117	43 116	177 177
		2-	Alive	3732	2533	2593	4590	3671.2	3811 2
AL OBESITY	Obesity index in		<ul> <li>23</li> </ul>	1289	837	918	1986	1581	1711
	metric units		23-24	1.245	880	950	1196	992	1066
			25-27	1428	1022	1082	1090	- 886	954 83
		•	28+	717	495		813	. 679 see	<i>त्र</i> व्र
		-		17	80 8	92	208	176 V	218

Code Meantling         Pop.         Stb 35-c6         Stb 35-c6 <t< th=""></t<>
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3852 $2654$ $2852$ $4854$ $3959$ $4$ $286$ $165$ $197$ $191$ $117$ $4$ $4484$ $3154$ $3377$ $5102$ $4197$ $4$ $522$ $387$ $447$ $571$ $456$ $4$ $522$ $387$ $477$ $571$ $456$ $4$ $522$ $387$ $477$ $571$ $456$ $335$ $586$ $380$ $417$ $571$ $4865$ $3979$ $51$ $2932$ $3127$ $4865$ $3979$ $3474$ $30$ $200$ $3127$ $4865$ $3376$ $3474$ $30$ $200$ $3127$ $4865$ $33474$ $311$ $30$ $200$ $3127$ $4865$ $33474$ $33474$ $30$ $200$ $3127$ $428$ $3375$ $3474$ $30$ $200$ $3127$ $428$ $3335$ $3474$ $30$ $200$ $3127$ $428$ $33474$ $3474$ $30$ $200$ $3127$ $428$ $3373$ $3474$ $300$ $200$ $21165$ $1124$ $881$ $166$ $3105$ $1126$ $1124$ $881$ $155$ $348$ $3732$ $2256$ $2409$ $4169$ $3433$ $3671$ $3732$ $2533$ $2593$ $4590$ $3671$ $378$ $3732$ $2533$ $2593$ $4590$ $3671$ $373$ $3732$ $2533$ $2593$ $4590$ $3671$ $378$ $3732$ $2533$ </th
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-372 $250$ $-4103$ $-4103$ $2134$ $21$ $3143$ $2155$ $314$ $2155$ $314$ $2155$ $3164$ $317$ $265$ $334$ $115$ $115$ $21$ $21$ $317$ $265$ $3148$ $155$ $3164$ $315$ $3267$ $318$ $115$ $328$ $3128$ $3128$ $3128$ $3177$ $3396$ $348$ $104$ $312$ $3273$ $32593$ $4590$ $3671$ $318$ $318$ $21$ $228$ $3273$ $3273$ $3273$ $3273$ $3273$ $2533$ $2593$ $4590$ $3671$ $318$ $3173$ $32732$ $2533$ $2593$ $4590$ $3671$ $318$ $32732$ $2533$ $2593$ $4590$ $3671$ $318$ $31732$ $3233$ $2593$ $4590$ $3671$ $318$ $31732$ $3233$ $2593$ $4590$ $3671$ $318$ $3173$ $3232$ $2533$ $2593$ $4590$ $3671$ $388$ $3671$ $388$ $3671$ $388$ $3671$ <t< td=""></t<>
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380       307       377       396       348       31         3732       2533       2593       4590       3671       31         132       96       104       21       22       31         906       690       877       682       621       22         906       690       877       682       621       31         3732       2533       2593       4590       3671       31         6d       418       293       381       206       184       2         6d       418       293       381       206       184       2         630       703       381       206       184       3671       38         732       2533       2593       4590       3671       38         3732       2533       2593       4590       3671       38         929       709       878       681       616       8         3732       2533       2593       4590       3671       38         3732       2533       2593       4590       3671       38
3732       2533       2593       4590       3671       31         132       96       104       21       22       1         906       690       877       682       621       1       1         3732       2533       2593       4590       3671       31         ed       418       293       381       206       184       2         60       493       600       497       459       6       6         732       2533       2593       4590       3671       38         3732       2533       2593       4590       3671       38         109       77       103       22       27       38         929       709       878       681       616       6         3732       2533       2593       4590       3671       38
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906         690         877         682         621         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3 <th< th=""></th<>
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(1) 「おおおか」」「「おおおおお」」「おおおおおおおおおおおお」」

主張人

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Female Counts	S1b 35-69	130	513	3671	1694	CF C	342 606	212	06	14	299	ñ	-	<b>ന</b>		289		6	753
	Pop.	123	580	4590	2120	130	718	259	59	19	400	8		e	•	310		13	954
	S1b 35+	144	837	2593	383	216	703	373	271	16	213	175	• • •	275		671		54	224
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	Pop.	116	922 3722	2010	520	316	1023	487	338	32	310	189		345		848	t L	2.C	ene
	Code Meaning		Stroke not mentioned Aliva			<pre>cuttent regular cigs only &lt;10 per day</pre>	10-19 per day	20 per day	20+ per day	Amount not known	Pipe/cigar not known	Current regular smokers	•		Ly.		/ CI Ba	MA: FES. PIPE/CIGAT ONLY Not known	
, -	Codes	-	0 0		0	H	8	3	4	Q.	9	<b>7</b>		æ	d	้ด	01	11	
able		f stroke			ategory									•		-	-	-	
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Variable ^{Namo}	Name	STROKEM		EVDACND	DMUNUAL														
a.		52																	

2

APPENDIX II

Detailed definitions of specific variables

#### Variable 2 SEX

The original LSHTM siblings data separately coded Servicemen = 3 and Servicewomen = 4. These groups have been combined into the simple male and female codes 1 and 2 respectively.

#### Variable 34 URBNOW

Column 65 of Card 2 of the original LSHTM data contained information on whether people at the time of the questionnaire lived in conurbations (code 1), urban populations of 100,000+ (code 2), of 50-100,000 (code 3), of <50,000(code 4) or in rural populations (code 5). This was based on the standard Registrar General 4 digit code for current residence held in columns 10-13 of Card 1. On conversion to our data file column 65 of Code 2 was copied into variable 34 except that those living in England and Wales in rural populations were coded as 6 instead of 5 if the code in columns 10-13 of Card 1 was that for truly rural populations i.e. it had one of the codes in the following list:

#### Rural District Codes

Berkshire			
		Ely, Isle of	
Farringdon	1893		
Hungerford	1894	North Witchford 05	i <del>S</del> 4
Vantage	X897		
	A037	Gloucestershire	
		Worthleach 59	93
Cheshire		Tetbury 59	96
입 고려운 승규가 있는 것이다.			
Tarvin	0295	derefordsatre	
생활 그 사람 것 공공 동안 집 것			
Cornwall		Broayard	9r
	All the first set	Dore and Bredwardine 74	<b>1</b> 6
Launceston	V900	Leominister and Vignore V-	<u>e</u> 7
Yadebridge	V997	Ross and Wh.tchurch Ye	<u>es</u>
		¥eobley V&	99
Devon			
		Huntingdonshire	
Axminster	2991		
Bigeford	2990	Huntingoon 75	34
Broadwoodwidger	2991		
Holssorthy	2993	Kent	
Honiton	2994	에 가장 사람이 있는 것이 있는 것이 가장	
Kingsbridge	2995	Romeer Harsh	38
Okehanpton	2997	Tenterdes	91
South Molton	1991		
		Lincolashire, parts of Eesteves	
Dorset			
		Zast Kesteves	
and the second	1997		

borne

•			
Lincolnshire, parts o	f Lindsey	Yorkshire, East Riding	
Gainsborough	039X	Driffield	
Spilsby	0395	Norton	X19 X19
Norfolk		Pocklington	X19 X19
MOLIOIK			
Docking	6590	Yorkshire, North Riding	
Wayland	5590	Aysgarth	809
Northamptonshire		Easingwold	809
		Helmsley Masham	809
Brackley	539V	Pickering	909) 909
Northumberland		Reeth	909
MOI CHUMDEI FAILU		Startforth Thirsk	909
Bellingham	5090	Wath	909 909
A			505
<u>Oxfordshire</u>		Yorkshire, West Riding	
Chipping Norton	5896	Rowland	719
		Selby	819
<u>Shropshire</u>			
Drayton	X491	Anglesey	
Wem	X499	Twrcelyn	· · · · · · · · · · · · · · · · · · ·
Somerset		Valley	VX9 VX9
Domerset		· · · · · ·	
Dulverton	8993	Brecknockshire	
Langport	8995	Builth	vv9
Williton	799X	Hay	VV9
Southampton			
	and the second	Cardiganshire	
Basingstoke	9890	Aberaynon	0X9:
Suffolk, East		Aberystwyth	0X9
	$\{ f_{i,j}, \dots, f_{i-1}, \dots, f_{i-1} \}$	Tregaron	0X9
Blyth	859X	Carmarthenshire	-
Suffolk, West			_
	_	Newcastle Emlyn	179
Clane	959 <b>3</b>	Denbighshire	
Cosford	9594		
Warwickshire		Hiraethog	289
		Flintshire	
Shipston on Stour	8493		
<b>Viltshire</b>		Maelor	3X9
		Monmouthsire	
Devizes Marlborough & Ramsbury	9992 9995		
Mere & Fisbury	9995 9996	Monmouth	679
		Merionethshire	
Morcestershire		ACTION CUSHIFE	
enbury	9496	Dolgellau	5.19
		Penllyn	519

#### Montgomeryshire

Llanfyllin	7X95
Machynlleth	7X96
Newton & Llanidloes	7X97
Pembrokeshire	
Cemaes	8X95
Haverfordwest	8X96
Narberth	8X97

#### Radnorshire

		· · · · · ·
Knighton	,	9X92
Paniscastle		9X94
Rhayader		9X95

#### Variable 41 OBESITY

Pembroke

The original LSHTM file contained data on height in feet and inches and on weight in stones and pounds. From this obesity index in metric units was calculated by the formula

> OBESITY = 10,000 x weight in pounds x 0.4536(height in inches x 2.54)²

#### Variables 42-47 Cardiorespiratory symptoms

8X98

The questions on respiratory symptoms were based on the MRC questionnaire (1966). Those on cardiovascular symptoms were based on the London School of Hygiene questionnaire (Rose and Blackburn, 1968) and on the questionnaire for self-administration (Rose et al., 1977).

#### Variable 48 MAINCOD

The causes of death were analysed in five categories based on the underlying cause of death, coded by the International Classification of Diseases (World Health Organisation, 1957): lung cancer (162.1 and 163); coronary heart disease (420 and 422); chronic non-specific lung disease (CNSLD: 502, 526 and 527.1); stroke (330 to 334); and other causes.

#### Variables 49-52 Other mentions of specific causes of death

These were based on whether or not the codes for the specific causes appeared either as underlying or contributory causes.

#### Variable 53 SMOKCAT

The smoking category variable SMOKCAT was based on the 5 other variables; 10 (Current cigarette smoking), 18 (Past cigarette smoking), 24 (Cigar smoking), 27 (Pipe smoking) and 33 (Number of cigarettes) as follows: Firstly an intermediate variable PIPE/CIGAR was formed from variables 24 and 27 using the following matrix:

				gar (24)	<b>D</b> a <b>1</b>		
		No 1	Ex 2	Occasional 3	Regular 4	Other	
	- No 1	0	2	1	4	-2	-
	Ex 2	2	2	3	4	-2	
(27)	Occ. 3	1	3	1 _	4	-2	
	Reg. 4	4	4	4	4	4	
	Other	-2	-2	-2	4	-2	1

Thus PIPE/CIGAR has the following meanings:

Never smoked either

1 Smokes one or both occasionally (but not regularly or an ex-smoker)

2 Used to smoke one or both but not now

3 Smoked one once and the other occasionally

4 Smokes one or both regularly

2 Others

Pipe

0

From this a further matrix was used to define SMOKCAT:

Code	Meaning	<u>Var 10</u>	<u>Var 18</u>	PIPE/ CIGAR	Var 33
0	Never anything	2 or 3	2 or 3	0 or 1	-
	Current regular cigs only	· · · · · ·		n de la construction de	· · · · · · · · · · · · · · · · · · ·
1	<10 per day	1		0,1,2 or 3	1 to 9
2	10-19 per day	1		0,1,2 or 3	10 to 19
-3	20 per day	1	·	0,1,2 or 3	20
4	20+ per day	1	-	0,1,2 or 3	21 or more
5	Amount N.K.	1	-	0,1,2 or 3	Not given
6	Current regular smokers of cigs; pipe/cigar N.K.	1	-	-2	-
7	Current regular smokers of cigs and pipe/cigar	1	-	4	-
8	Current regular pipe/ cigar only	2 or 3	1,2 or 3	<b>4</b>	
9	Ex. reg. cigs and/or pipe/cigar	2 or 3	1	0,1,2 or 3	
10	Ex. reg. pipe/cigar only	2 or 3	2 or 3	2 or 3	
	Not known		Other com	inations	

#### APPENDIX III

2.77

## Definition of factors used for crosstabulations

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	- (						
		Number	Source	of factor		I.evela	
Factor Number		of	Variable	Variable			
		Levels	Number	Name	Number	Name Value	<b>و</b> الم
1	SEX	2	2	SEX	1	MALE 1	
2	CAUSEDTH				2	FEMALE 2	ال المحمد الم المحمد المحمد المحمد المحمد المحمد
	CRUSEDIN	6	48	MAINCOD	1	L CANCER 1	
					2 3	CHD 2 CNSLD 3	
					4	STROKE 4	
					5 6	OTHERS 5 ALIVE 0	
3	HEARTDTH	3	48	MAINCOD	1	CHD 2	
					2	OTHERS 1,3,4	l or 5
4	LCANCERM	0			3	ALIVE 0	
	LCANCERM	3	49	LCANCERM	1 2	YES 1	
					3	NO 2 ALIVE O	•
5	HEARTM	3	50	HEARTM	1	YES 1	
		· · · ·			2	NO 2	
6	CNSLDM	3	<b>61</b>		3	ALIVE 0	. *
	CULTEDA	3	- 51	CNSLDM	1 2	YES 1 NO 2	•
					3	NO 2 ALIVE O	
7	STROKEM	3	52	STROKEM	1	YES 1	
					2	NO 2	
8	TIME DTH 1	14	38		3	ALIVE O	
		(sibs)	30	DATED	1 2	YR 1 YR 2	
		13			 11	YR11	•
		(pop)			12	(sibs) YR12	
					12 13	(pop) YR12+ (sibs) YR13 se	· · · · · ·
	e .			· · ·	13		e note (a)
				· · · · ·	14	(sibs) ALIVE	
9	TIMEDTH2	9 (sibs)	38	DATED	1	YRS 1-2	
	-	8			2 3	YRS 3-4 YRS 5	
		(pop)	-		4	YRS 6	
					5 6		e note 💡 (a)
					7	YRS11-12	(4)
					(sibs) 7	YRS11+	
					(pop)		
					8 (sibe)	YRS13+	
					(sibs) 8	ALIVE	
					(pop)		
					9 (sibs)	ALIVE	
10	TIMEDTH3	S - S - S - S - S - S - S - S - S - S -	38	DATED		<b>TRS 1-2</b>	
					2	185 1-2 YBS 3-5	
					3	TES 6-10 see	e note
						TIS11+ ALIVE	(a)

abbreviated name as appears on crosstabulations output 

						ju ti s	a official and the second s	•
	· ·	Number	<u>aoure</u>	e of factor		Lerels		
Factor Number		of Levels	Variable Number	Variable Name	Number	•	-11-	
11	TIMEDTH4	4	38			Name	<u>Value</u>	•
			38	DATED	1 2	YRS 1-5		
					3	YRS 6-10 YRS11+	see note (a)	
12	AGE (GP1)				4	ALIVE	(4)	
	AGE (GP1)	8 (sibs)	32	AGE	1	35-39		
		7			2 3	40-44		
		(pop)		n na series Na series	4	45-49 50-54	As name	
				^I	5	55-59	implies	
					6 7	60-64 65-69	n an	
					8	70+		in the second
			•		(sibs		•	
13	AGE (GP2)	5	32	AGE	only)		·	an an tao an
		(sibs)	54	AGE	1 2	35-44		
		4			3	45 <b>-5</b> 4 55-64	As name implies	
		(pop)	1		4	65-69	***b1162	
			А		5 (sibs	70+		
			·		(SIDS Only)			
14	SMOKCAT1	12	53	SMOKCAT	1	NEVER	0	
				an shi La shi	2	<10 ONLY	0 1	
					3	10-19	2	
					4 5	20 20+	3 4	
					6	AMT NK	5	
					7	OTH NK	6	
			- 11 - 11 - 12 - 13 - 13 - 13 - 13 - 13		8 9	CIGS+PC PC ONLY	· 7 8	
				· · · ·	10	EX CIGS	9	
			· ·		11 12	EX PC	10	
15	SMOKCAT2	3	53	SHOWCAR		NK	11	
· 전 1월 - 18 년부) - 18 년 - 18			00	SMOKCAT	1 2	NEVER CURR CIGS	0	
				•	3	OTHERS	1-7 8-11	
16	SMOKCAT3	5	53	SMOKCAT	1	<10	1	
				. ·	2	10-19	2	
					3	20	3	
					4 5	20+ AMT NK	4 5	n and a Start and a start and a start and a start a st
17	SMOKCAT4	4	53	SMOKCAT		<10	, 1	
						10-19	1 2	
				aliana di Katalaria. Ny INSEE dia mampiasa dia kaominina dia kaominina dia kaominina dia kaominina dia kaominina dia kaominina dia k	3	20	3	
18	PCP	9	40		4	20+	4	
		2	42	PCP		YES	1	
19	CBRONSYN	2	43	(TDDO)/CIDI		NO	0	
				CBRONSYN	· · ·	YES XO	1 0	
20	ANGINA	2	44	ANGINA	an ta ph	이 가지 않는 것 같아.		
	· · ·			ANGINA		YES NO	1 0	
21	INFARCT	2	45	INFARCTN		YES		
						ILS NO	1 0 ¹	
	S abbreviat	ed name as	appears	on crosstabu]				
						ucput		
					usenst (f. 1986). 	11.5 - 1443年初日第三章 		·

		Number	Source o	of factor	:	Levels	
Factor Number	Factor <u>Name*</u>	of Levels	Variable <u>Number</u>	Variable Name	Number	Name *	Value
22	CLAUDCTN	2	46	INTCLAUD	1	YES	1,2 or 3
		1 - 1 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -			2	NO	0,4 or -
23	SYMPLESS	2	47	SYMPLESS	1 2	SYMPPRES SYMPFREE	2 1
24	AGESTART	3	17	AGESTART			_
		J		AGESTART	1	<16	As name
					2 3	16-19 20+	implies
25	INHALING	2	11	INHLCIGS	1	YES	1
		n an Status			2	NO	2
26	F/P/R	4	12	TYPECIGS	1	F ONLY	1
					2	P ONLY	2
· . ·					3	HR ONLY	3
					4	MIXED	4-7
27	CLASS	3	37	CLASSQ	1	I OR II	1 or 2
					2	III	3
					3	IV OR V	4 or 5
28	URBNOW	3	34	URBNOW	1	CONURBS	1
Rosa Referencia		· ·			2	URBAN	2-4
					3	RURAL	5 or 6
29	OBESITY	4	41	OBESITY	1	<23	
			· · ·		2	23-24	As name
					3	25-27	implies
					4	28+	
30	EXERCISE	4	9	EXERCISE	1	NONE	1
		••			2	SLIGHT	2
					3	MODERATE	3
			a sasan di sasan sas		4	HEAVY	4
31	F/P ONLY	2	12	TYPECIGS	1	FONLY	1
					2	P ONLY	2
32	URBNOW2	6	34	URBNOW	1	CONURBS	<b>1</b> · · ·
				· . ·	2	100,000+	2
		•		-	- 3	50-100TH	3
	a dan Sana Sana Sana Sana Sana Sana Sana Katalara Sana Sana Sana Sana Sana Sana				4	<50,000	4
					-5 0	RURAL TR RURAL	5 6
35	TIMEDTH5	3	38	DATED	1	YRS 1-5	- -
		1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 19			2	YRS 6+	see note
					3	ALIVE	(a)

「「「「「「「「「」」」

* Name is abbreviated name as appears on crosstabulations output

Note: a) For the sibling sample, deaths occurring in Mar 64 to Mar 65 (sic) were counted as year 1, Apr 65 to Mar 66 as year 2, Apr 66 to Mar 77 as year 3 etc.

For the population sample, deaths occurring in May 65 to Apr 66 were counted as year 1, May 66 to Apr 67 as year 2 etc.

APPENDIX IV

## Index to crosstabulations produced

#### Introduction

The following pages give an index to the crosstabulations produced. "Table number" refers to the heading to the table which appears at the top of each page of the printout of the table. "Restriction" refers to the condition data mus pass to be included in the table - the definition of each factor is given in Appendix III. "Table storage reference" refers, for tables stored on disc, to which tables file they are held on and which position on that file the table is held. 8 tables are used to store all the tables described here, they are:

1	LSH TABLESM	(Batch 1)
2	LSH TABLESM	(Batch 2)
3	LSH TABLES F	(Batch 1)
4	LSH TABLES F	(Batch 2)
5	LSH TABLESM	(Batch 1)
<b>5</b>	LSH TABLESM	(Batch 2)
7	LSH TABLESF	(Batch 1)
3	LSH TABLESF	(Batch 2)
		e de la composition de

Crosstabulations printed but not stored

Restriction

Table Number

2

AI

A4 A5 A6

X CURONSYN X CLASS X BMOKCAT2 X AGE (GP2) X CURONSYN X CLASS X SMOKCAT2 X AGE (GP2) CAUSEDTH X TIMEDTH2 X SYMPLESS X SEX CAUSEDTH X TIMEDTH2 X AGE (GP1) X SEX CAUSEDTH X TIMEDTH2 X SMOKCAT1 X SEX CAUSEDIH X TIMEDTH2 X CLAUDCTN X SEX X SEX CAUSEDTH X TIMEDTH2 X CBRONSYN X SEX X SEX X SEX CAUSEDTH X TIMEDTHI X AGE (GP2) CAUSEDTH X TIMEDTH2 X INFARCT CAUSEDTH X TIMEDTHIL X AGE (GP2) CAUSEDTH X TIMEDTH2 X ANGINA CAUSEDTH X TIMEDTH2 X PCP Factors URBNOW2 X PCP URBNOW2 X PCP

FEMALES ENGLAND AND WALES WALES

10

6

8

MALES

ENGLAND AND WALES FEMALES

A12

A 1 1

X SMOKCAT2 X AGE (GP2) CAUSEDTH X TIMEDTH4 X F/P ONLY X SMOKCAT4 X AGESTART CAUSEDTH X TIMEDTH2 X SYMPLESS X SMOKCAT2 X AGE (GP2) CAUSEDTH X TIMEDTH2 X CBRONSYN X SMOKCAT2 X AGB (GP2) CAUSEDTH X TIMEDTH2 X URBNOW X SMOKCAT2 X AGE (GP2) CAUSEDTH X TIMEDTH2 X CLAUDCTN X SMOKCAT2 X AGB (GP2) HEARTDTH X TIMEDTH2 X OBESITY X SMOKCAT2 X AGE(GP2) HEARTDTH X TIMEDTH2 X EXERCISE X SMOKCAT2 X AGE (GP2) CAUSEDTH X TIMEDTH2 X ANGINA X SMOKCAT2 X AGE (GP2) CAUSEDTH X TIMEDTH2 X INFARCT X SMOKCAT2 X AGB (GP2) CAUSEDTH X TIMEDTH2 X SYMPLESS X SMOKCATI X AGE (GP2) CAUSEDTH X TIMEDTH2 X AGESTART X SMOKCAT3 X AGE(GP2) CAUSEDTH X TIMEDTH2 X INHALING X SMOKCAT3 X AGE (GP2) X SMOKCAT3 X AGE (GP2) X INHALING X AGE (GP2) CAUSEDTH X TIMEDTH4 X URBNOW2 X PCP X CBRONSYN X SMOKCAT2 X AGE (GP2) X URBNOW CAUSEDTH X TIMEDTH2 X SMOKCAT1 X AGE (GP2) CAUSEDTH X 'TIMEDTH2 X SYMPLESS X CLASS CAUSEDTH X TIMEDTH2 X F/P/R PACTORS CAUSEDTH X TIMEDTH4 X CLASS CAUSEDTH X TIMEDTH2 X PCP F(sib) 7-10 7-12 7-13 7-15 7-16 7-17 8-16 7-11 7-14 Table storage references 7-3 7-1 7-2 5-2 7-5 7-6 7-8 2-2 2-9 M(sib) 5-10 5-13 5 - 125-14 5-17 6-16 5-11 5-15 5-16 5-1 5-2 5-3 5-5 5-6 5-8 5-4 5-9 5-7 F(pop) 3-10 3 - 143-13 3-15 3 - 163-20 3-18 с 1 1 3-11 3-21 3-2 0-2 3-3 3-4 3-8 3-5 3-6 3-7 3-9 M(pop) 1-1 1-10 1-21 1-13 1-11 1 - 141-15 1-16 1-18 1-20 1-12 1-3 1-4 1-12 1-12 1-6 2-T - <del>1</del> 1-9 CURRENT CIG SHOKERS SMOKERS, VAR 53 = (apart from sex) ENGLAND AND WALES CURRENT F/P CIG = 1,2,3,4 or 5 Restriction VARIABLE 53 1,2,3 or 4 M18.F18 M10,F10 M16.F16 M13, F13 M14, F14 Number M12, F12 M15.F15 M11, F11 **W17**, F17 M7, F7 **Table** M6, F6 M1, F1 M2, F2 **M3**, F3 M4, F4 M5,F5 M8, F8 M9 F9

X SMOKCAT2 X AGE (GP2)

Crosstabulations stored

Crosstabulations stored (continued)

		ADV X C		X SHOKCATU X AGP(GD3)	X SHOKCATO Y AGP (OP)	X SHOKCAT2 X AGE (GP2)	X SHOKCAT2 X AGE (GP2)	SHOKCAT2 X AGE (GP2)	SHOKCAT2 X AGE (GP2)	X SHOKCAT2 X AGE (GP2)	SHOKCAT2 X AGE (GP2)	2 X AGE(GP	2 X AGE(GP	2 X AGE(GP	2 X AGE (GF	2 X AGE (GF
		X SHADKCATO Y ACP/CD0	X SPROKCAT2 Y AGP (GD2)	X SHOKCAT	X SHOKCAT	X SHOKCAT	X SHOKCAT	X SHOKCAT	X SHOKCAT	TADNCLIB X	X SHOKCAT	X SHOKCAT	X SMOKCAT	X SMOKCAT	X SMOKCAT	X SHOKCAT
		X CLASS					X URBNOW		X URBNOW	X URBNOW	X URBNOW	X EXERCISE X SHOKCAT2 X AGE (GP2)	X EXERCISE	X EXERCISE X SMOKCAT2 X AGE (GP2)	X EXERCISE X SMOKCAT2 X AGE (GP2)	X EXERCISE
	Factors	X PCP	CAUSEINTH X TIMENTHS X CBRONSYN X CLASS	TIPEDTHS X ANGINA	X TIMEDTHS X INFARCT	X TIPEDTHS X CLAUDCTN X CLASS	х РСР	CAUSEDTH X TIMEDTH5 X CHRONSYN X URBNOW	X ANGINA	X INFARCT	CAUSEDTH X TIMEDTHS X CLAUDCTN	х рер	CAUSEDTH X TIMEDTHS X CBRONSYN X EXERCISE X SMOKCAT2 X AGE (GP2)	X ANGLNA	CAUSED'III X TIMED'IIS X INFARCT	CAUSEDTH X TIMEDTH5 X CLAUDCTN X EXENCISE X SMOKCAT2 X AGE (GP2)
	×	CAUSEDTH X TIMEDTHS X PCP	X TIMEDTHS	X TIPEDTHS	X TIMEDTHS	X TIREDTHS	X TIMEDTHS X PCP	X TIMEDTH5	CAUSEIVII X TIMEDTH5 X ANGINA	CAUSEDTH X TIMEDTHS X INFARCT	X TIMEDTHS	CAUSEDTH X TIMEDTHS X PCP	X TIMEDTH5	CAUSEIPTH X TIMEDTHS X ANGLINA	X TIMEDINS	X TIMEDTH5
		CAUSEDTH	CAUSEDTH	CAUSEDTH	CAUSEDTH	CAUSEDTH	CAUSEDTH	CAUSEDTI	CAUSEIVII	CAUSEDTH	CAUSEDTH	CAUSEDTH	CAUSEDTH	CAUSEDTH	CAUSED'II	CAUSEDTH
	F(s1b)	8-1	8-2	8-3	8-4	8-5		8-6 to	8-10				8-11 to	H 15		
	M(81b)	6-1	6-2	6-3	6-4	6-5		6-6 to	6-10				6-11 to	6-15		
	F(pop)	4-1	4-2	4-3	4-4	4-5		4-6 to	4-10				4-11 to	4-15		
	(dod)W	2-1	2-2	2-3	2-4	2-5		2-6 to	2-10				2-11 to	2-15		
Table	Number	M19, F19	M20,F20	M21,F21	M22, F22	M23, F23		M24 to M28	F24 to F28				<b>Y29 to M33</b>	F29 to F33	,	

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