

**Relating Ischaemic Heart Disease (IHD) mortality
to previous smoking habits.
Within-country analysis**

Country Index

1	Australia
2	Austria
3	Belgium
4	Bulgaria
5	Canada
6	Czechoslovakia
7	Denmark
8	Finland
9	France
10	Germany
11	Greece
12	Hungary
13	Iceland
14	Ireland
15	Israel
16	Italy
17	Japan
18	Netherlands
19	New Zealand
20	Norway
21	Poland
22	Portugal
23	Romania
24	Spain
25	Sweden
26	Switzerland
27	UK
28	USA
29	USSR
30	Yugoslavia

Summary of results within 30 countries

31	IHD mortality and prevalence of smoking, 5 years earlier
32	IHD mortality and consumption, 5 years earlier
33	IHD mortality and consumption (square root tar adjusted), 5 years earlier

Notes:

Prevalence = Prevalence of smoking (%), total cigarettes, 5 years earlier.

Consumption = Consumption of total cigarettes per adult, 5 years earlier.

Cons tar adj = Consumption of total cigarettes per adult, 5 years earlier, square root tar adjusted.

N = Number of data pairs

R = Pearson correlation coefficient

Table I5.1
IHD mortality rates (per 100,000 per year) and smoking habits 5 years earlier,
by age, period and sex, showing Pearson correlation coefficients

Australia

Males Age 40-44	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate	73.2	70.9	81.5	103.0	100.1	94.3	74.5	54.6	39.8	28.5	25.8		
Prevalence							45.9	41.4	38.1	31.9	35.1	5	0.96
Consumption							14.4	13.0	10.5	9.8	9.2	5	0.99
Cons tar adj							10.0	8.3	6.2	5.3		4	0.99
Males Age 55-59	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate	532.6	601.2	640.1	715.3	739.9	670.0	527.4	421.5	311.3	209.4	157.3		
Prevalence							44.3	41.5	35.0	28.2	29.8	5	0.97
Consumption							13.6	12.6	9.6	11.1	8.4	5	0.87
Cons tar adj							9.4	8.0	5.7	6.1		4	0.92
Males Age 70-74	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate	2196.0	2325.1	2317.0	2569.1	2599.1	2370.1	1976.7	1732.8	1426.8	1099.5	854.4		
Prevalence							32.6	28.1	27.7	21.6	19.6	5	0.98
Consumption							8.8	7.3	6.6	5.8	5.6	5	0.96
Cons tar adj							6.1	4.6	3.9	3.2		4	0.97
Females Age 40-44	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate	23.6	18.9	18.0	22.9	22.1	24.1	18.5	12.2	7.2	6.0	4.6		
Prevalence							33.2	31.3	29.4	26.6	28.3	5	0.93
Consumption							8.3	7.8	7.5	8.0	8.0	5	0.50
Cons tar adj							5.8	5.0	4.5	4.4		4	1.00
Females Age 55-59	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate	187.5	187.3	188.1	210.6	215.9	195.6	149.8	113.6	83.8	58.7	41.5		
Prevalence							32.7	29.7	23.2	22.2	20.7	5	0.98
Consumption							8.3	7.5	5.2	7.8	5.9	5	0.56
Cons tar adj							5.8	4.8	3.1	4.3		4	0.76
Females Age 70-74	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate	1301.5	1226.1	1213.5	1307.0	1335.4	1180.6	942.5	811.4	708.8	516.3	377.8		
Prevalence							17.5	17.6	14.1	14.3	13.5	5	0.87
Consumption							3.8	4.2	2.9	4.0	2.7	5	0.51
Cons tar adj							2.6	2.7	1.7	2.2		4	0.58

Table I5.2
IHD mortality rates (per 100,000 per year) and smoking habits 5 years earlier,
by age, period and sex, showing Pearson correlation coefficients

Austria

Males	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 40-44	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate		31.3	40.5	58.0	58.0	56.0	47.8	49.2	42.2	36.9	30.5		
Prevalence			88.3	77.0	65.7	54.3	43.0	41.2	33.4	42.8	48.6	9	0.30
Consumption							14.5	14.7	11.8	12.8	10.5	5	0.90
Cons tar adj							10.6	9.6	7.1			3	0.90
Males	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 55-59	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate		300.3	358.5	353.3	328.7	327.7	354.0	335.2	283.3	221.5	196.9		
Prevalence			79.0	69.4	59.9	50.3	40.7	40.2	31.4	35.6	40.5	9	0.59
Consumption							13.1	13.3	10.9	11.5	8.8	5	0.87
Cons tar adj							9.5	8.7	6.6			3	1.00
Males	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 70-74	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate		1398.1	1451.8	1491.9	1436.2	1433.2	1457.9	1297.5	1189.8	1069.1	971.4		
Prevalence			62.7	55.7	48.7	41.6	34.6	32.5	24.9	28.5	27.9	9	0.75
Consumption							8.7	8.9	7.3	7.7	5.5	5	0.85
Cons tar adj							6.3	5.8	4.4			3	0.93
Females	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 40-44	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate		9.9	10.0	10.6	8.6	8.1	8.5	7.9	7.6	8.8	7.3		
Prevalence			33.6	28.7	23.8	18.9	14.0	20.4	25.6	27.2	37.4	9	0.15
Consumption							3.3	4.6	5.7	5.6	5.7	5	-0.44
Cons tar adj							2.4	3.0	3.4			3	-0.99
Females	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 55-59	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate		91.8	98.2	99.7	81.6	70.8	75.3	70.8	58.4	55.0	48.3		
Prevalence			20.4	17.7	15.0	12.3	9.6	13.5	19.3	14.9	21.1	9	-0.01
Consumption							2.1	2.9	4.8	3.6	3.5	5	-0.66
Cons tar adj							1.5	1.9	2.9			3	-1.00
Females	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 70-74	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate		905.7	918.3	836.9	802.9	731.9	714.0	565.6	525.2	466.8	413.7		
Prevalence			11.0	9.5	7.9	6.4	4.8	6.4	10.4	8.6	11.0	9	-0.10
Consumption							1.0	1.4	2.2	1.7	1.5	5	-0.57
Cons tar adj							0.7	0.9	1.3			3	-0.86

Table I5.3
IHD mortality rates (per 100,000 per year) and smoking habits 5 years earlier,
by age, period and sex, showing Pearson correlation coefficients

Belgium

Males	1946-1950	1951-1955	1956-1960	1961-1965	1966-1970	1971-1975	1976-1980	1981-1985	1986-1990	1991-1995	1996-2000	N	R
Age 40-44													
Mortality rate		36.5	44.7	57.2	63.3	61.5	49.6	41.5	31.9	26.1			
Prevalence					73.2	70.3	67.5	53.0	49.1			5	0.96
Consumption								14.8	13.8			2	
Cons tar adj								10.7	9.2			2	
Males	1946-1950	1951-1955	1956-1960	1961-1965	1966-1970	1971-1975	1976-1980	1981-1985	1986-1990	1991-1995	1996-2000	N	R
Age 55-59													
Mortality rate		265.4	280.4	322.4	385.4	373.4	339.0	277.5	190.2	150.3			
Prevalence					65.5	63.0	60.4	40.5	42.8			5	0.89
Consumption								10.2	12.4			2	
Cons tar adj								7.4	8.3			2	
Males	1946-1950	1951-1955	1956-1960	1961-1965	1966-1970	1971-1975	1976-1980	1981-1985	1986-1990	1991-1995	1996-2000	N	R
Age 70-74													
Mortality rate		804.8	865.9	865.6	1220.6	1266.6	1142.5	984.6	787.7	662.6			
Prevalence					52.0	50.0	47.9	31.5	36.2			5	0.84
Consumption								7.9	8.3			2	
Cons tar adj								5.7	5.5			2	
Females	1946-1950	1951-1955	1956-1960	1961-1965	1966-1970	1971-1975	1976-1980	1981-1985	1986-1990	1991-1995	1996-2000	N	R
Age 40-44													
Mortality rate		14.2	12.1	9.1	9.6	10.9	9.0	9.0	5.3	5.8			
Prevalence					17.8	14.4	11.0	27.6	30.8			5	-0.72
Consumption								4.9	8.4			2	
Cons tar adj								3.6	5.6			2	
Females	1946-1950	1951-1955	1956-1960	1961-1965	1966-1970	1971-1975	1976-1980	1981-1985	1986-1990	1991-1995	1996-2000	N	R
Age 55-59													
Mortality rate		91.4	85.4	82.6	88.1	86.7	69.0	60.5	42.0	32.9			
Prevalence					15.8	11.2	6.7	16.8	18.1			5	-0.41
Consumption								2.4	5.4			2	
Cons tar adj								1.7	3.6			2	
Females	1946-1950	1951-1955	1956-1960	1961-1965	1966-1970	1971-1975	1976-1980	1981-1985	1986-1990	1991-1995	1996-2000	N	R
Age 70-74													
Mortality rate		547.6	539.6	480.7	612.6	610.3	537.7	449.5	371.7	289.4			
Prevalence					10.2	6.9	3.6	9.0	10.7			5	-0.36
Consumption								0.6	2.5			2	
Cons tar adj								0.4	1.7			2	

Table I5.5
IHD mortality rates (per 100,000 per year) and smoking habits 5 years earlier,
by age, period and sex, showing Pearson correlation coefficients

Canada

Males Age 40-44	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate	90.4	98.6	105.4	107.6	98.6	88.4	74.9	58.0	41.5	29.5	25.2		
Prevalence				78.8	64.3	59.0	51.4	46.6	42.2	36.7	33.2	8	0.97
Consumption					17.8	17.0	16.1	15.3	13.8	11.8	9.5	7	0.95
Cons tar adj					15.5	13.2	11.4	10.0	8.5			5	0.98
Males Age 55-59	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate	577.5	609.2	648.2	652.8	627.1	573.3	505.0	379.1	292.6	219.7	187.2		
Prevalence				82.7	60.2	55.3	50.1	44.7	40.5	33.6	28.5	8	0.92
Consumption					17.0	16.1	15.8	14.8	13.4	11.9	8.4	7	0.91
Cons tar adj					14.8	12.5	11.2	9.7	8.2			5	0.97
Males Age 70-74	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate	1991.0	2012.8	2160.8	2238.5	2105.8	1978.7	1798.3	1510.1	1278.0	967.1	878.7		
Prevalence				67.9	37.0	36.8	36.3	34.7	29.1	23.4	20.6	8	0.81
Consumption					9.9	10.1	10.3	9.4	8.4	6.7	5.5	7	0.93
Cons tar adj					8.6	7.8	7.3	6.2	5.2			5	1.00
Females Age 40-44	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate	26.6	22.5	18.2	15.1	16.5	15.1	14.0	10.2	6.3	5.3	5.9		
Prevalence						40.8	40.2	38.3	38.3	35.3	32.9	6	0.84
Consumption					9.2	9.6	10.1	10.6	10.0	9.5	7.1	7	0.29
Cons tar adj					8.0	7.4	7.2	7.0	6.1			5	0.96
Females Age 55-59	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate	194.2	190.8	188.6	176.3	164.5	140.1	117.4	95.4	74.1	59.8	52.7		
Prevalence						32.4	33.9	34.3	35.1	32.6	29.6	6	0.32
Consumption					6.9	7.7	8.6	9.2	8.9	8.1	6.9	7	-0.23
Cons tar adj					6.0	6.0	6.1	6.0	5.5			5	0.59
Females Age 70-74	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate	1272.0	1239.8	1238.6	1224.9	1099.2	979.9	828.7	694.8	563.3	424.4	371.9		
Prevalence						11.3	12.3	13.9	17.1	17.3	17.0	6	-0.96
Consumption					2.2	2.6	3.4	3.8	4.1	4.1	3.3	7	-0.79
Cons tar adj					1.9	2.0	2.4	2.5	2.5			5	-0.94

Table I5.7
IHD mortality rates (per 100,000 per year) and smoking habits 5 years earlier,
by age, period and sex, showing Pearson correlation coefficients

Denmark

Males	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 40-44	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate		27.4	42.9	51.7	51.7	55.0	56.2	44.6	36.3	25.9	19.9		
Prevalence			27.9	50.8	46.8	46.8	49.0	46.1	45.8	46.3	40.5	9	0.31
Consumption			8.3	8.2	8.2	8.6	8.5	8.6	9.0	8.5	7.8	9	0.25
Cons tar adj			8.3	7.9	7.3	7.8	7.8	7.5	7.4	6.4		8	0.67
Males	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 55-59	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate		291.7	358.5	426.1	431.1	432.3	468.1	412.5	354.3	248.5	162.2		
Prevalence			19.0	45.5	42.1	41.0	42.0	43.9	46.6	43.6	36.7	9	0.19
Consumption			4.9	6.2	7.4	7.1	7.2	7.9	8.7	7.8	7.2	9	-0.11
Cons tar adj			4.9	6.0	6.6	6.4	6.6	6.9	7.2	5.9		8	0.32
Males	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 70-74	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate		1469.1	1566.2	1765.9	2044.0	2008.5	1958.3	1732.0	1541.6	1289.6	930.9		
Prevalence			11.5	36.1	33.3	31.2	26.4	29.1	29.1	31.5	28.9	9	0.15
Consumption			0.7	2.8	4.9	4.2	3.5	4.6	4.9	4.9	4.6	9	-0.10
Cons tar adj			0.7	2.7	4.4	3.8	3.2	4.0	4.0	3.7		8	0.25
Females	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 40-44	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate		7.7	8.3	9.3	12.5	14.3	11.2	9.4	5.6	5.3	3.5		
Prevalence			42.2	44.8	40.9	43.2	46.5	43.0	47.5	47.4	43.5	9	-0.44
Consumption			6.2	6.1	5.9	6.8	7.2	6.6	8.2	7.1	6.5	9	-0.32
Cons tar adj			6.2	5.9	5.3	6.1	6.6	5.8	6.8	5.4		8	-0.08
Females	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 55-59	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate		104.3	97.3	102.8	107.7	109.6	100.7	90.7	90.3	65.1	40.5		
Prevalence			21.2	31.0	36.9	37.1	38.7	41.5	45.4	48.6	40.8	9	-0.44
Consumption			2.9	4.1	5.2	5.3	5.7	6.0	6.9	7.1	6.0	9	-0.45
Cons tar adj			2.9	3.9	4.7	4.8	5.2	5.2	5.7	5.4		8	-0.37
Females	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 70-74	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate		1111.5	1046.5	1047.4	1086.0	938.1	827.1	741.8	641.6	532.3	398.2		
Prevalence			9.4	18.0	23.4	22.8	19.6	20.8	23.5	29.4	27.1	9	-0.69
Consumption			1.1	1.9	2.6	2.2	2.3	2.6	3.4	4.0	3.3	9	-0.81
Cons tar adj			1.1	1.8	2.3	2.0	2.1	2.3	2.8	3.0		8	-0.78

Table I5.8
IHD mortality rates (per 100,000 per year) and smoking habits 5 years earlier,
by age, period and sex, showing Pearson correlation coefficients

Finland

Males	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 40-44	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate		110.5	126.5	153.3	170.7	142.6	109.7	83.5	59.9	45.9	31.2		
Prevalence					61.1	52.8	42.7	32.4	32.6	34.1		6	0.95
Consumption					14.3	12.0	9.8	8.8	9.2	9.4		6	0.90
Cons tar adj					13.2	10.4	7.8	6.4	5.9	5.5		6	0.97
Males	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 55-59	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate		652.2	655.0	813.5	873.8	805.2	778.9	660.5	510.8	351.9	284.1		
Prevalence				62.8	58.7	51.0	42.9	26.8	26.3	25.0		7	0.86
Consumption				12.2	12.1	10.9	9.8	7.3	7.2	7.6		7	0.83
Cons tar adj				11.8	11.1	9.5	7.8	5.3	4.6	4.5		7	0.87
Males	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 70-74	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate		2310.7	2269.1	2481.2	2475.4	2275.6	2307.5	2222.7	1988.7	1731.6	1358.8		
Prevalence					44.4	43.6	32.0	19.0	19.9	17.5		6	0.78
Consumption					7.6	6.7	5.8	5.1	5.2	5.2		6	0.73
Cons tar adj					7.0	5.8	4.6	3.7	3.3	3.0		6	0.84
Females	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 40-44	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate		19.1	16.5	18.2	16.1	13.5	8.7	7.9	6.8	3.8	4.9		
Prevalence						14.7	23.0	16.7	18.5	20.0		5	-0.54
Consumption							2.5	3.2	3.6	4.0		4	-0.91
Cons tar adj							2.0	2.3	2.3	2.3		4	-0.66
Females	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 55-59	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate		168.2	149.7	167.6	164.2	140.4	127.4	97.0	79.8	49.5	41.6		
Prevalence						10.1	13.9	11.4	9.7	10.7		5	0.35
Consumption							1.9	2.2	2.0	1.9		4	0.12
Cons tar adj							1.5	1.6	1.3	1.1		4	0.85
Females	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 70-74	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate		1261.1	1265.5	1412.4	1233.1	1053.3	1011.5	964.0	874.3	701.1	519.8		
Prevalence						3.3	6.6	5.2	6.2	6.9		5	-0.67
Consumption							0.8	1.0	0.9	1.0		4	-0.60
Cons tar adj							0.6	0.7	0.6	0.6		4	0.60

Table I5.9
IHD mortality rates (per 100,000 per year) and smoking habits 5 years earlier,
by age, period and sex, showing Pearson correlation coefficients

France

Males	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 40-44	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate	12.2	12.9	19.0	28.3	29.7	29.6	28.3	23.9	24.3	21.2	20.0		
Prevalence			75.5	86.7	67.2	63.5	59.8	56.2	45.3	46.6	44.2	9	0.39
Consumption					13.9	13.4	12.8	12.3	9.7	9.2	8.6	7	0.92
Cons tar adj					12.2	11.3	10.1	8.8	6.8	6.2	5.3	7	0.96
Males	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 55-59	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate	92.1	109.7	140.2	153.9	155.4	164.7	160.9	148.7	120.2	91.0	81.7		
Prevalence			76.2	80.4	60.1	56.5	53.0	49.4	36.4	38.7	38.8	9	0.63
Consumption					12.6	11.9	11.3	10.6	8.7	8.2	7.8	7	0.94
Cons tar adj					11.0	10.1	8.9	7.6	6.1	5.5	4.8	7	0.90
Males	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 70-74	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate	278.4	359.3	486.0	577.9	590.9	640.9	620.0	580.9	508.8	415.6	372.2		
Prevalence			75.1	73.5	47.7	44.7	41.7	38.7	29.8	28.3	29.0	9	0.32
Consumption					8.4	8.0	7.5	7.1	5.8	5.5	5.2	7	0.91
Cons tar adj					7.4	6.8	5.9	5.1	4.1	3.7	3.2	7	0.88
Females	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 40-44	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate	3.8	4.0	3.7	4.5	3.9	3.5	3.6	2.5	2.6	2.3	2.8		
Prevalence			23.6	20.5	17.4	22.2	27.1	32.0	31.0	19.8	30.8	9	-0.56
Consumption					1.4	2.0	2.6	3.2	4.5	5.2	5.9	7	-0.82
Cons tar adj					1.2	1.7	2.0	2.3	3.2	3.5	3.7	7	-0.84
Females	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 55-59	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate	26.4	30.4	34.7	37.0	33.8	32.1	26.6	23.9	21.2	15.3	12.6		
Prevalence			12.9	13.8	14.7	16.3	18.0	19.6	16.9	10.5	18.4	9	-0.21
Consumption					2.1	2.1	2.1	2.0	2.7	3.2	3.8	7	-0.88
Cons tar adj					1.8	1.8	1.6	1.4	1.9	2.2	2.4	7	-0.65
Females	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 70-74	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate	148.0	190.6	259.4	292.4	283.0	299.3	272.4	245.0	202.2	144.7	123.1		
Prevalence			2.6	4.3	6.1	7.5	8.9	10.2	7.4	4.3	9.4	9	-0.15
Consumption					0.6	0.7	0.7	0.8	1.1	1.5	1.8	7	-0.98
Cons tar adj					0.5	0.6	0.5	0.6	0.8	1.0	1.1	7	-0.96

Table I5.10
IHD mortality rates (per 100,000 per year) and smoking habits 5 years earlier,
by age, period and sex, showing Pearson correlation coefficients

Germany

Males	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 40-44	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate		39.7	52.0	63.8	59.8	54.1	46.6	40.5	32.9	32.0	27.5		
Prevalence		69.3	74.3	70.4	64.8	65.6	52.7	49.0	42.3	38.7	44.2	10	0.80
Consumption								13.4	11.4	12.7	11.3	4	0.82
Cons tar adj								8.4	7.0			2	
Males	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 55-59	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate		300.1	364.3	403.9	367.6	362.6	356.6	333.9	269.4	222.7	175.9		
Prevalence		62.0	66.5	62.9	57.9	58.7	48.0	44.6	33.9	29.0	32.4	10	0.82
Consumption								11.8	9.2	8.6	8.1	4	0.95
Cons tar adj								7.4	5.6			2	
Males	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 70-74	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate		1158.5	1321.8	1438.3	1371.1	1390.5	1462.3	1402.4	1264.0	1139.0	971.4		
Prevalence		49.2	52.8	50.0	46.0	46.6	37.3	34.2	27.3	18.6	21.0	10	0.58
Consumption								8.1	6.2	4.8	4.1	4	0.97
Cons tar adj								5.1	3.8			2	
Females	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 40-44	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate		21.8	21.4	19.8	12.9	8.2	7.6	6.5	5.7	5.9	6.4		
Prevalence		26.1	26.7	28.3	25.4	35.5	35.1	34.8	31.9	28.1	32.1	10	-0.69
Consumption								6.1	5.9	7.8	6.9	4	-0.07
Cons tar adj								3.8	3.6			2	
Females	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 55-59	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate		122.3	118.9	119.1	87.6	70.3	68.5	67.6	57.0	50.8	39.0		
Prevalence		15.9	16.2	17.2	15.5	21.5	21.5	21.8	17.2	13.6	17.0	10	-0.18
Consumption								3.9	3.5	3.8	3.4	4	0.73
Cons tar adj								2.4	2.1			2	
Females	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 70-74	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate		952.4	900.2	835.4	661.0	624.2	622.3	571.4	523.8	487.6	426.8		
Prevalence		8.6	8.8	9.3	8.3	11.6	11.3	11.7	10.4	7.8	8.8	10	-0.20
Consumption								1.5	1.5	1.6	1.6	4	-0.86
Cons tar adj								0.9	0.9			2	

Table I5.16
IHD mortality rates (per 100,000 per year) and smoking habits 5 years earlier,
by age, period and sex, showing Pearson correlation coefficients

Italy

Males Age 40-44	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate		36.1	44.7	50.3	48.6	42.4	41.4	34.9	28.9	24.8	20.0		
Prevalence		82.0	77.2	72.3	55.9	58.3	60.7	68.0	49.9	47.2	44.9	10	0.60
Consumption		11.1	10.6	10.2	10.1	11.4	12.6	12.9	10.4	10.6	11.0	10	-0.11
Cons tar adj		11.1	10.6	9.9	9.4	10.0	10.4	10.0	7.4	6.7	6.2	10	0.79
Males Age 55-59	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate		233.7	276.9	290.1	251.6	242.0	263.0	231.4	183.5	143.4	119.9		
Prevalence		69.8	66.7	63.5	55.2	54.7	54.3	63.1	45.4	40.2	38.7	10	0.83
Consumption		10.0	9.6	9.1	9.1	10.2	11.3	12.3	9.4	9.4	9.7	10	0.13
Cons tar adj		10.0	9.6	8.9	8.4	9.0	9.4	9.5	6.7	6.0	5.5	10	0.88
Males Age 70-74	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate		1168.9	1265.5	1318.9	1099.6	938.4	913.5	793.0	708.7	631.5	581.9		
Prevalence		50.1	50.7	51.3	46.8	45.0	43.1	49.5	35.6	31.4	26.9	10	0.87
Consumption		6.7	6.4	6.2	6.1	6.8	7.6	8.1	6.2	6.1	5.4	10	0.08
Cons tar adj		6.7	6.4	6.0	5.7	6.0	6.3	6.3	4.4	3.9	3.0	10	0.78
Females Age 40-44	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate		25.7	16.7	13.6	9.2	6.4	6.8	4.9	4.2	3.7	2.8		
Prevalence		10.9	9.0	7.1	24.2	22.6	21.1	27.4	33.4	32.7	32.3	10	-0.84
Consumption		1.0	0.8	0.5	0.5	3.7	6.8	3.7	4.4	4.7	4.7	10	-0.70
Cons tar adj		1.0	0.8	0.5	0.5	3.3	5.6	2.9	3.1	3.0	2.6	10	-0.60
Females Age 55-59	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate		131.1	116.0	101.7	73.0	56.4	52.9	43.2	35.1	27.6	23.8		
Prevalence		9.7	8.0	6.3	20.8	16.8	12.8	16.1	18.7	20.1	20.2	10	-0.81
Consumption		0.8	0.6	0.4	0.5	2.5	4.4	1.9	2.8	2.9	2.9	10	-0.75
Cons tar adj		0.8	0.6	0.4	0.5	2.2	3.6	1.5	2.0	1.8	1.6	10	-0.60
Females Age 70-74	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate		1132.3	1070.5	969.4	670.7	519.0	464.8	356.7	307.8	255.2	228.2		
Prevalence		6.2	5.1	4.1	13.0	9.9	6.9	8.3	9.1	10.4	9.3	10	-0.61
Consumption		0.4	0.3	0.2	0.2	1.1	2.0	0.8	1.1	1.3	1.2	10	-0.71
Cons tar adj		0.4	0.3	0.2	0.2	1.0	1.7	0.6	0.8	0.8	0.7	10	-0.55

Table I5.17
IHD mortality rates (per 100,000 per year) and smoking habits 5 years earlier,
by age, period and sex, showing Pearson correlation coefficients

Japan

Males Age 40-44	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate	36.2	31.0	25.8	22.8	17.2	13.4	11.0	8.9	7.0	8.0	11.3		
Prevalence		84.9	83.9	83.0	81.6	80.3	77.2	73.9	71.3	67.7	66.5	10	0.83
Consumption					18.3	16.4	19.1	20.9	20.5	19.3	19.4	7	-0.68
Cons tar adj					16.0	13.0	14.0	14.4	13.4	11.8	10.5	7	0.45
Males Age 55-59	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate	131.8	123.5	123.3	119.8	102.8	77.8	67.0	58.6	47.8	47.3	55.4		
Prevalence		84.1	81.8	79.4	80.2	79.4	76.0	76.0	68.8	60.0	58.2	10	0.79
Consumption				17.5	16.5	15.2	18.5	18.8	18.5	17.5	17.6	8	-0.42
Cons tar adj				16.2	14.4	12.0	13.5	13.0	12.1	10.7	9.5	8	0.83
Males Age 70-74	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate	411.6	453.4	540.7	574.5	484.4	397.8	357.5	313.7	251.7	228.4	234.2		
Prevalence		73.9	73.1	72.2	70.7	70.2	65.3	67.5	60.7	53.6	51.8	10	0.88
Consumption					11.0	10.4	13.5	12.6	12.6	11.6	11.7	7	-0.35
Cons tar adj					9.6	8.2	9.9	8.7	8.2	7.1	6.3	7	0.76
Females Age 40-44	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate	41.3	33.4	24.8	17.9	8.3	3.7	2.6	2.2	1.6	1.9	2.4		
Prevalence		13.0	13.0	13.0	11.4	13.6	12.5	15.0	14.7	14.7	17.2	10	-0.43
Consumption					1.6	1.7	1.9	2.5	3.0	3.1	3.8	7	-0.63
Cons tar adj					1.4	1.3	1.4	1.7	2.0	1.9	2.1	7	-0.59
Females Age 55-59	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate	97.3	91.2	78.8	66.7	47.2	29.1	21.9	17.2	12.7	12.3	13.6		
Prevalence		16.6	16.6	16.6	15.7	19.1	16.6	15.7	13.4	12.2	12.5	10	0.50
Consumption					2.3	2.6	2.6	3.3	2.6	2.6	2.4	7	-0.38
Cons tar adj					2.0	2.1	1.9	2.3	1.7	1.6	1.3	7	0.49
Females Age 70-74	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate	312.2	349.8	385.8	383.8	302.4	239.3	212.2	176.3	134.0	113.2	109.4		
Prevalence		16.8	16.8	16.8	16.2	18.4	17.1	16.4	13.8	10.8	9.7	10	0.70
Consumption					1.9	2.0	2.4	2.5	1.6	1.3	1.1	7	0.58
Cons tar adj					1.7	1.6	1.8	1.7	1.0	0.8	0.6	7	0.81

Table I5.19
IHD mortality rates (per 100,000 per year) and smoking habits 5 years earlier,
by age, period and sex, showing Pearson correlation coefficients

New Zealand

Males Age 40-44	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate	55.4	66.4	71.3	85.8	98.9	91.0	80.2	69.8	50.8	42.5	40.2		
Prevalence					57.6	52.2	46.7	43.3	35.9	31.8	30.8	7	1.00
Consumption					18.3	16.3	14.2	12.2	9.8			5	0.99
Cons tar adj					16.9	14.3	11.7	9.4	6.9			5	0.98
Males Age 55-59	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate	544.1	515.4	550.5	661.5	721.3	665.2	575.2	488.1	405.6	307.3	237.7		
Prevalence					57.1	49.4	41.8	44.0	32.0	28.2	26.2	7	0.97
Consumption					16.5	15.1	13.8	12.4	9.4			5	0.98
Cons tar adj					15.3	13.2	11.4	9.5	6.7			5	0.99
Males Age 70-74	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate	2200.8	1948.1	2063.0	2278.4	2338.8	2183.8	2216.8	1910.8	1772.7	1327.5	1037.1		
Prevalence					50.1	41.7	33.2	34.8	26.6	20.7	18.4	7	0.91
Consumption					11.0	9.9	8.7	7.6	5.9			5	0.95
Cons tar adj					10.2	8.7	7.2	5.8	4.2			5	0.95
Females Age 40-44	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate	20.9	15.9	14.6	16.2	28.0	28.7	21.9	15.9	11.6	9.0	7.5		
Prevalence					54.8	45.5	36.3	35.0	33.6	33.7	30.9	7	0.87
Consumption					10.1	8.1	6.0	7.8	7.2			5	0.50
Cons tar adj					9.4	7.1	4.9	6.0	5.1			5	0.72
Females Age 55-59	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate	151.2	172.5	171.4	193.7	204.0	177.6	168.1	142.7	114.8	80.8	60.0		
Prevalence					48.7	43.7	38.7	34.1	24.1	20.4	18.8	7	0.98
Consumption					9.1	7.2	5.3	7.1	5.6			5	0.70
Cons tar adj					8.4	6.3	4.4	5.5	4.0			5	0.84
Females Age 70-74	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate	1250.0	1188.9	1095.1	1186.3	1140.3	1060.7	1044.6	964.7	849.4	641.1	449.4		
Prevalence					31.4	24.5	17.7	20.2	18.6	17.4	15.4	7	0.73
Consumption					4.5	3.6	2.7	3.4	2.8			5	0.71
Cons tar adj					4.2	3.2	2.2	2.6	2.0			5	0.82

Table I5.20
IHD mortality rates (per 100,000 per year) and smoking habits 5 years earlier,
by age, period and sex, showing Pearson correlation coefficients

Norway

Males	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 40-44	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate		24.8	39.1	54.5	67.5	64.6	54.2	49.8	44.5	31.3	26.6		
Prevalence			59.2	54.2	49.1	49.1	49.2	50.2	48.2	45.6	43.0	9	0.26
Consumption							8.8	8.6	9.1	8.3	7.6	5	0.80
Cons tar adj							7.5	6.8				2	
Males	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 55-59	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate		242.4	330.3	425.9	454.9	455.2	453.3	426.1	382.3	263.2	172.7		
Prevalence			52.9	51.0	49.2	47.3	45.4	46.1	44.7	42.3	39.5	9	0.59
Consumption					8.5	8.8	9.1	8.3	7.6	7.5	6.9	7	0.91
Cons tar adj					8.0	7.9	7.7	6.6				4	0.99
Males	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 70-74	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate		990.7	1327.6	1630.4	1739.6	1787.1	1641.5	1680.7	1596.5	1261.5	1013.8		
Prevalence			42.0	35.2	28.4	32.2	36.1	33.8	38.4	39.6	32.6	9	-0.38
Consumption							5.1	5.6	6.1	5.0	4.6	5	0.76
Cons tar adj							4.3	4.4				2	
Females	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 40-44	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate		5.0	4.5	6.6	6.9	8.4	8.5	5.0	6.0	5.0	3.5		
Prevalence			30.9	32.5	34.2	41.6	49.0	45.4	41.8	44.5	42.3	9	0.17
Consumption							5.0	5.6	5.7	6.0	5.9	5	-0.89
Cons tar adj							4.2	4.4				2	
Females	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 55-59	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate		70.6	78.7	84.3	91.9	85.2	76.4	78.9	73.2	57.4	30.6		
Prevalence			18.8	19.8	20.8	25.3	29.8	33.4	36.9	36.8	37.1	9	-0.69
Consumption							3.7	4.2	4.9	5.4	5.2	5	-0.69
Cons tar adj							3.1	3.3				2	
Females	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 70-74	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate		661.7	792.3	932.4	859.8	766.4	654.3	639.5	584.4	481.2	368.8		
Prevalence			10.1	9.6	9.1	12.6	16.1	16.5	16.9	22.0	22.9	9	-0.98
Consumption							1.0	1.7	1.8	2.7	2.6	5	-0.88
Cons tar adj							0.8	1.3				2	

Table I5.25
IHD mortality rates (per 100,000 per year) and smoking habits 5 years earlier,
by age, period and sex, showing Pearson correlation coefficients

Sweden

Males	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 40-44	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate		25.5	27.2	32.5	35.1	38.5	41.0	34.5	28.3	21.0	18.8		
Prevalence					47.9	43.6	42.1	36.3	37.4	31.9	26.4	7	0.85
Consumption					6.8	5.1	5.8	6.8	7.8	6.8	5.7	7	-0.25
Cons tar adj					6.4	4.4	4.6	4.8				4	-0.57
Males	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 55-59	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate		298.9	323.8	352.3	352.9	384.1	414.1	385.1	305.6	228.5	166.4		
Prevalence					40.8	37.7	38.5	30.6	33.8	30.6	28.1	7	0.72
Consumption					4.6	3.7	4.9	6.2	7.4	5.8	6.6	7	-0.54
Cons tar adj					4.3	3.2	3.9	4.4				4	-0.32
Males	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 70-74	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate		1447.2	1617.1	1794.5	1908.1	2028.8	2042.7	1864.8	1576.1	1244.8	1025.8		
Prevalence					32.3	29.4	30.8	24.3	26.3	25.4	21.8	7	0.78
Consumption					3.1	2.1	2.8	3.5	4.2	4.2	5.1	7	-0.93
Cons tar adj					2.9	1.8	2.2	2.5				4	-0.73
Females	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 40-44	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate		8.3	6.5	6.1	7.2	6.2	7.0	4.7	5.3	5.0	4.0		
Prevalence					34.2	38.8	39.7	37.6	36.3	34.5	31.9	7	0.48
Consumption					3.9	3.8	4.5	5.6	6.6	5.4	6.4	7	-0.81
Cons tar adj					3.7	3.3	3.6	3.9				4	-0.47
Females	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 55-59	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate		112.1	95.2	94.2	82.7	84.3	79.2	69.7	57.9	47.8	37.6		
Prevalence					17.2	22.6	25.6	26.7	31.6	28.1	29.5	7	-0.75
Consumption					1.7	2.1	3.4	4.8	6.1	4.9	5.2	7	-0.80
Cons tar adj					1.6	1.8	2.7	3.4				4	-0.93
Females	1946-	1951-	1956-	1961-	1966-	1971-	1976-	1981-	1986-	1991-	1996-	N	R
Age 70-74	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000		
Mortality rate		1091.9	1077.2	1046.4	1000.5	974.4	854.7	731.5	590.1	462.5	394.5		
Prevalence					9.3	11.2	13.4	15.1	17.0	15.2	16.5	7	-0.88
Consumption					0.8	0.7	1.3	2.0	2.6	2.3	2.8	7	-0.96
Cons tar adj					0.8	0.6	1.1	1.4				4	-0.96

Table I5.26
IHD mortality rates (per 100,000 per year) and smoking habits 5 years earlier,
by age, period and sex, showing Pearson correlation coefficients

Switzerland

Males Age 40-44	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate		37.3	42.6	50.9	46.1	40.0	34.8	30.1	24.6	25.3	20.2		
Prevalence				37.2	39.0	40.8	42.5	35.8	39.1	36.2		7	0.16
Consumption				5.4	8.8	12.2	15.6	13.1	11.8			6	-0.73
Cons tar adj				5.2	8.1	10.5	11.2	8.1				5	-0.61
Males Age 55-59	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate		283.1	298.4	324.9	287.7	235.1	247.9	221.4	183.3	142.8	110.8		
Prevalence				18.4	25.0	31.5	38.1	32.0	33.6	29.8		7	-0.60
Consumption				4.9	8.0	11.0	14.1	9.9	10.1			6	-0.63
Cons tar adj				4.7	7.3	9.4	10.1	6.1				5	-0.55
Males Age 70-74	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate		1604.0	1482.0	1537.3	1260.0	912.3	962.8	945.2	862.5	786.2	673.6		
Prevalence				4.6	13.7	22.8	31.9	27.5	23.0	19.8		7	-0.80
Consumption				3.2	5.3	7.5	9.6	11.8	6.1			6	-0.71
Cons tar adj				3.1	4.8	6.4	6.9	7.3				5	-0.97
Females Age 40-44	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate		14.9	8.7	13.3	6.9	3.9	3.0	2.5	4.0	3.0	3.1		
Prevalence							32.0	30.1	31.7	34.2		4	0.22
Consumption							7.1	6.0	6.3			3	0.06
Cons tar adj							5.1	3.7				2	
Females Age 55-59	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate		132.7	107.8	105.3	74.7	47.9	45.0	40.2	30.5	23.8	23.1		
Prevalence							19.5	16.6	18.9	21.7		4	-0.62
Consumption							4.6	2.7	4.0			3	0.12
Cons tar adj							3.3	1.7				2	
Females Age 70-74	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate		1310.1	1081.3	977.3	671.9	370.8	379.9	353.9	315.7	275.3	258.1		
Prevalence							12.0	12.5	9.9	11.4		4	0.50
Consumption							2.4	1.3	1.9			3	0.35
Cons tar adj							1.7	0.8				2	

Table I5.27
IHD mortality rates (per 100,000 per year) and smoking habits 5 years earlier,
by age, period and sex, showing Pearson correlation coefficients

United Kingdom

Males Age 40-44	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate	50.1	53.3	66.4	85.4	94.9	98.7	87.3	70.9	55.0	42.7	35.4		
Prevalence					64.9	60.8	56.7	49.1	39.4	41.5	32.7	7	0.97
Consumption							14.4	12.7	9.5	10.9	7.6	5	0.91
Cons tar adj							11.0	8.9	6.2	6.7	4.3	5	0.96
Males Age 55-59	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate	421.9	440.7	500.7	554.3	564.5	585.4	592.0	543.1	451.2	338.0	260.4		
Prevalence					58.1	56.3	54.5	49.0	37.9	37.6	29.0	7	0.95
Consumption							13.4	12.6	9.3	9.5	7.3	5	0.95
Cons tar adj							10.2	8.8	6.1	5.9	4.1	5	0.96
Males Age 70-74	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate	2080.6	2085.8	2063.3	2111.3	2045.4	2071.7	2051.9	1937.1	1788.1	1521.8	1232.0		
Prevalence					46.1	46.9	47.7	40.2	31.8	31.4	23.1	7	0.95
Consumption							9.2	8.3	6.4	6.8	4.6	5	0.93
Cons tar adj							7.0	5.8	4.2	4.2	2.6	5	0.94
Females Age 40-44	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate	12.0	11.2	11.8	14.2	15.5	16.4	15.8	11.3	8.6	8.0	7.0		
Prevalence	41.5	44.4	47.3	50.3	53.3	55.5	53.6	47.6	40.3	46.1	28.1	11	0.85
Consumption							9.3	9.4	7.5	8.6	6.2	5	0.73
Cons tar adj							7.1	6.6	4.9	5.3	3.5	5	0.88
Females Age 55-59	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate	144.4	133.9	128.5	135.5	131.4	144.1	146.5	142.2	120.4	90.1	67.7		
Prevalence	35.6	37.0	38.4	39.8	45.2	51.3	50.9	49.9	42.7	43.1	29.2	11	0.58
Consumption							8.6	9.2	7.4	7.9	6.2	5	0.86
Cons tar adj							6.5	6.5	4.9	4.9	3.5	5	0.95
Females Age 70-74	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate	1396.6	1252.4	1149.6	1119.7	985.1	953.1	923.8	884.6	840.6	709.6	565.3		
Prevalence	22.8	23.6	24.4	25.2	25.2	25.5	27.9	26.7	25.6	27.0	20.0	11	-0.05
Consumption							3.6	4.1	3.8	4.4	3.4	5	0.19
Cons tar adj							2.7	2.9	2.5	2.7	1.9	5	0.82

Table I5.28
IHD mortality rates (per 100,000 per year) and smoking habits 5 years earlier,
by age, period and sex, showing Pearson correlation coefficients

USA

Males Age 40-44	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate	125.4	126.7	128.3	130.3	127.0	111.2	85.4	64.2	48.2	38.6	32.8		
Prevalence	54.9	61.1	61.3	58.3	60.2	54.8	48.8	46.8	38.0	35.3	33.3	11	0.98
Consumption		15.6	18.7	16.9	18.1	18.0	17.2	16.2	12.3	12.0		9	0.81
Cons tar adj		15.6	19.0	16.0	15.1	14.0	12.8	11.0	7.6	7.3		9	0.95
Males Age 55-59	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate	724.5	728.3	733.4	743.4	748.7	670.6	521.5	405.2	311.4	256.0	217.7		
Prevalence	46.7	53.1	54.2	50.8	52.8	48.4	41.7	39.7	34.3	32.0	30.2	11	0.98
Consumption		13.5	16.3	14.9	16.4	16.2	15.6	15.0	10.5	11.7		9	0.73
Cons tar adj		13.5	16.5	14.1	13.7	12.6	11.6	10.2	6.5	7.2		9	0.94
Males Age 70-74	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate	2278.2	2262.5	2367.4	2443.6	2592.5	2338.2	1902.7	1511.1	1211.7	1014.3	888.0		
Prevalence	33.6	35.6	27.2	33.0	37.9	30.8	28.5	26.3	24.9	20.5	19.4	11	0.90
Consumption		7.8	6.5	7.2	9.9	8.1	9.9	8.2	6.5	6.7		9	0.38
Cons tar adj		7.8	6.6	6.8	8.3	6.3	7.3	5.6	4.0	4.1		9	0.88
Females Age 40-44	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate	32.7	29.2	26.3	26.4	28.7	26.4	19.2	14.2	10.7	9.7	9.2		
Prevalence	47.2	42.3	34.4	41.2	42.7	40.6	37.5	38.6	30.7	28.5	28.3	11	0.89
Consumption		7.9	6.8	8.4	10.7	11.1	11.5	9.5	8.3	8.3		9	0.07
Cons tar adj		7.9	6.9	7.9	8.9	8.7	8.5	6.4	5.1	5.1		9	0.83
Females Age 55-59	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate	237.5	226.9	221.1	212.7	214.8	194.8	150.1	122.0	100.5	87.7	75.4		
Prevalence	30.0	22.9	21.5	29.7	33.2	34.3	33.8	34.5	29.2	28.4	26.2	11	-0.13
Consumption		3.3	4.2	5.6	7.5	8.9	10.1	9.7	7.3	8.9		9	-0.66
Cons tar adj		3.3	4.3	5.3	6.3	6.9	7.5	6.6	4.5	5.4		9	-0.24
Females Age 70-74	1946- 1950	1951- 1955	1956- 1960	1961- 1965	1966- 1970	1971- 1975	1976- 1980	1981- 1985	1986- 1990	1991- 1995	1996- 2000	N	R
Mortality rate	1402.7	1344.4	1344.5	1311.8	1347.5	1200.3	911.2	720.7	593.0	493.2	438.7		
Prevalence	13.7	11.5	5.8	10.9	13.0	13.8	13.6	18.6	17.6	16.5	15.8	11	-0.74
Consumption		1.7	0.7	1.8	2.8	2.8	3.7	5.0	4.2	5.0		9	-0.90
Cons tar adj		1.7	0.7	1.7	2.3	2.2	2.7	3.4	2.6	3.1		9	-0.78

Table I5.31
Summary of Pearson correlation coefficients, relating IHD mortality to
prevalence of smoking 5 years earlier, within 30 countries.

	Males						Females					
	40-44		55-59		70-74		40-44		55-59		70-74	
	N	R	N	R	N	R	N	R	N	R	N	R
Australia	5	0.96	5	0.97	5	0.98	5	0.93	5	0.98	5	0.87
Austria	9	0.30	9	0.59	9	0.75	9	0.15	9	-0.01	9	-0.10
Belgium	5	0.96	5	0.89	5	0.84	5	-0.72	5	-0.41	5	-0.36
Bulgaria	1		1		1		0		0		0	
Canada	8	0.97	8	0.92	8	0.81	6	0.84	6	0.32	6	-0.96
Czechoslovakia	4	-0.88	5	-0.40	4	-0.12	4	0.53	4	0.69	4	-0.90
Denmark	9	0.31	9	0.19	9	0.15	9	-0.44	9	-0.44	9	-0.69
Finland	6	0.95	7	0.86	6	0.78	5	-0.54	5	0.35	5	-0.67
France	9	0.39	9	0.63	9	0.32	9	-0.56	9	-0.21	9	-0.15
Germany	10	0.80	10	0.82	10	0.58	10	-0.69	10	-0.18	10	-0.20
Greece	8	-0.80	8	-0.73	8	-0.33	6	0.90	6	-0.91	6	-0.53
Hungary	6	-0.15	7	-0.47	6	-0.45	6	0.79	6	0.19	6	-0.49
Iceland	3	0.99	3	0.97	3	0.93	3	-0.77	3	0.97	3	0.82
Ireland	6	0.98	6	0.86	6	0.79	6	0.89	6	0.98	6	0.98
Israel	7	0.92	7	0.81	7	0.69	6	0.30	6	0.25	6	0.89
Italy	10	0.60	10	0.83	10	0.87	10	-0.84	10	-0.81	10	-0.61
Japan	10	0.83	10	0.79	10	0.88	10	-0.43	10	0.50	10	0.70
Netherlands	5	0.60	5	0.62	6	0.41	5	0.81	5	-0.77	5	-0.53
New Zealand	7	1.00	7	0.97	7	0.91	7	0.87	7	0.98	7	0.73
Norway	9	0.26	9	0.59	9	-0.38	9	0.17	9	-0.69	9	-0.98
Poland	8	-0.55	8	-0.68	8	0.11	8	0.45	8	0.09	8	-0.91
Portugal	5	0.76	5	0.93	5	0.83	5	-0.70	5	-0.14	5	0.15
Romania	6	0.42	6	0.22	6	0.20	6	0.94	6	0.86	6	0.81
Spain	6	0.77	6	0.94	6	0.87	6	-0.55	6	-0.89	6	-0.41
Sweden	7	0.85	7	0.72	7	0.78	7	0.48	7	-0.75	7	-0.88
Switzerland	7	0.16	7	-0.60	7	-0.80	4	0.22	4	-0.62	4	0.50
UK	7	0.97	7	0.95	7	0.95	11	0.85	11	0.58	11	-0.05
USA	11	0.98	11	0.98	11	0.90	11	0.89	11	-0.13	11	-0.74
USSR	2		2		2		2		2		2	
Yugoslavia	5	-0.85	6	-0.78	5	0.69	4	-0.20	4	0.28	4	-0.48

Table I5.32
Summary of Pearson correlation coefficients, relating IHD mortality to
consumption 5 years earlier, within 30 countries.

	Males						Females					
	40-44		55-59		70-74		40-44		55-59		70-74	
	N	R	N	R	N	R	N	R	N	R	N	R
Australia	5	0.99	5	0.87	5	0.96	5	0.50	5	0.56	5	0.51
Austria	5	0.90	5	0.87	5	0.85	5	-0.44	5	-0.66	5	-0.57
Belgium	2		2		2		2		2		2	
Bulgaria	0		0		0		0		0		0	
Canada	7	0.95	7	0.91	7	0.93	7	0.29	7	-0.23	7	-0.79
Czechoslovakia	1		1		1		1		1		1	
Denmark	9	0.25	9	-0.11	9	-0.10	9	-0.32	9	-0.45	9	-0.81
Finland	6	0.90	7	0.83	6	0.73	4	-0.91	4	0.12	4	-0.60
France	7	0.92	7	0.94	7	0.91	7	-0.82	7	-0.88	7	-0.98
Germany	4	0.82	4	0.95	4	0.97	4	-0.07	4	0.73	4	-0.86
Greece	7	0.98	7	0.85	7	0.37	3	0.98	3	-0.99	3	0.13
Hungary	6	0.15	6	0.17	6	-0.93	6	0.93	6	0.20	6	-0.50
Iceland	1		1		1		1		1		1	
Ireland	6	0.85	6	0.91	6	0.88	6	0.01	6	0.16	6	0.07
Israel	5	0.71	5	0.50	5	0.25	4	-0.56	4	-0.17	4	0.69
Italy	10	-0.11	10	0.13	10	0.08	10	-0.70	10	-0.75	10	-0.71
Japan	7	-0.68	8	-0.42	7	-0.35	7	-0.63	7	-0.38	7	0.58
Netherlands	8	0.76	8	0.67	8	0.89	8	-0.36	8	-0.67	8	-0.93
NewZealand	5	0.99	5	0.98	5	0.95	5	0.50	5	0.70	5	0.71
Norway	5	0.80	7	0.91	5	0.76	5	-0.89	5	-0.69	5	-0.88
Poland	7	0.52	7	0.55	7	-0.24	7	0.49	7	0.35	7	-0.81
Portugal	2		2		2		2		2		2	
Romania	1		1		1		1		1		1	
Spain	6	-0.06	6	0.92	6	0.94	4	-0.80	4	-0.98	4	-0.97
Sweden	7	-0.25	7	-0.54	7	-0.93	7	-0.81	7	-0.80	7	-0.96
Switzerland	6	-0.73	6	-0.63	6	-0.71	3	0.06	3	0.12	3	0.35
UK	5	0.91	5	0.95	5	0.93	5	0.73	5	0.86	5	0.19
USA	9	0.81	9	0.73	9	0.38	9	0.07	9	-0.66	9	-0.90
USSR	2		2		2		2		2		2	
Yugoslavia	3	0.64	6	0.54	3	-0.37	3	-0.90	4	0.27	3	-0.77

