

**Relating Lung Cancer mortality
to previous smoking habits.
Between-country analysis.**

Notes:

Prevalence = Prevalence of smoking (%), total cigarettes.

Consumption = Consumption of total cigarettes per adult.

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

N = Number of data pairs

R = Pearson correlation coefficient

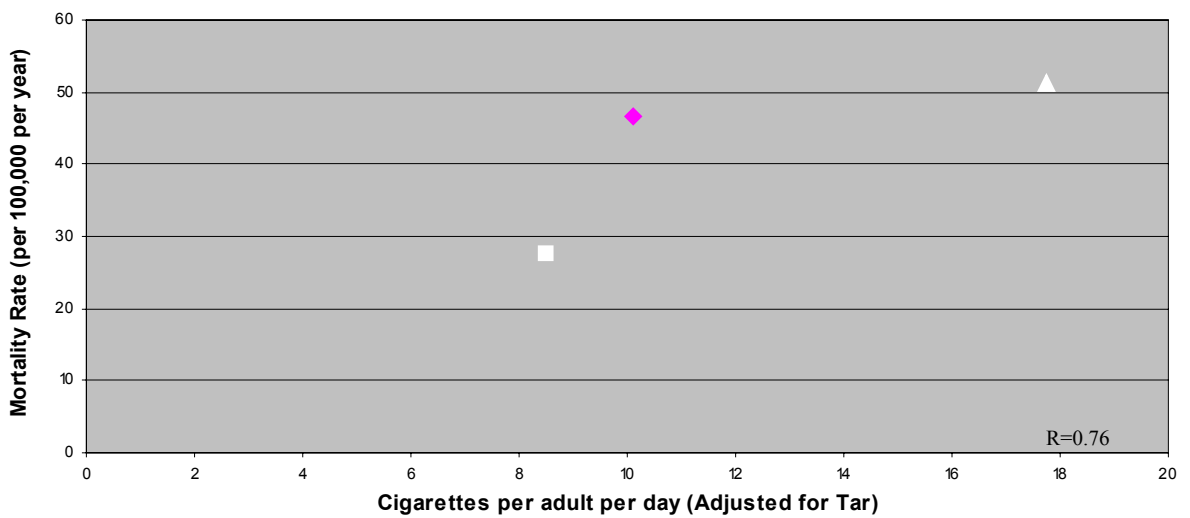
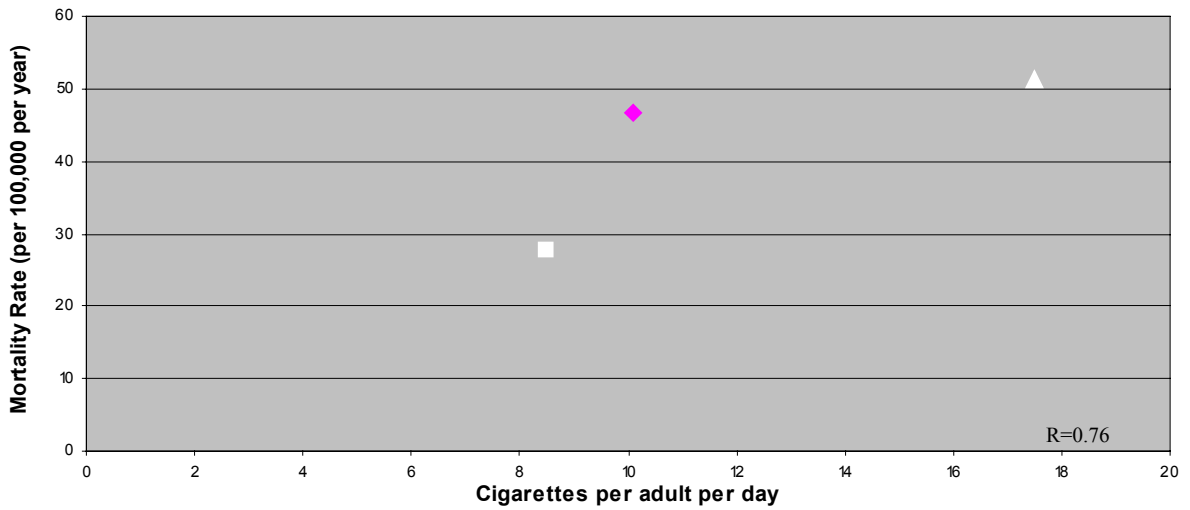
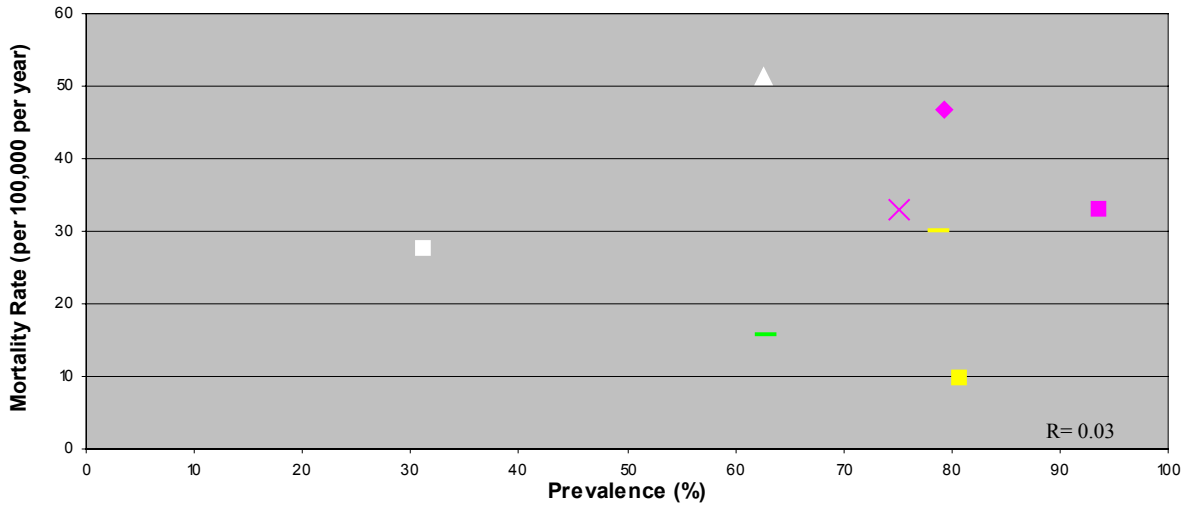
Table L6.1

Lung Cancer mortality rates (per 100,000 per year) and smoking habits 20 years earlier, by country, showing Pearson correlation coefficients

	Males	Age 45-49	Period 1971 to 1975	
	Mortality rate	Prevalence	Consumption	Cons tar adj
Australia	34.8			
Austria	33.0	93.7		
Belgium	49.1			
Bulgaria	35.6			
Canada	34.0			
Czechoslovakia	52.6			
Denmark	27.6	31.2	8.5	8.5
Finland	38.4			
France	33.1	75.1		
Germany	29.9	78.8		
Greece	26.6			
Hungary	34.8			
Iceland	14.5			
Ireland	31.7			
Israel	20.9			
Italy	46.8	79.3	10.1	10.1
Japan	9.8	80.8		
Netherlands	41.0			
New Zealand	28.2			
Norway	15.6	62.8		
Poland	43.8			
Portugal	14.4			
Romania	32.2			
Spain	19.6			
Sweden	14.5			
Switzerland	37.9			
UK	50.8			
USA	51.2	62.7	17.5	17.7
USSR				
Yugoslavia	29.8			
	N	8	3	3
	R	0.03	0.76	0.76

Figure L6.1

Scatter plots relating Lung Cancer mortality to smoking habits 20 years earlier
 Males Age 45-49 Period 1971 to 1975



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|---------------|---------------|-----------|------------|-----------|------------------|
| ◆ Australia | ◆ Austria | ▲ Belgium | × Bulgaria | — Canada | ◆ Czechoslovakia |
| ■ Denmark | ▲ Finland | × France | — Germany | ● Greece | ■ Hungary |
| ▲ Iceland | × Ireland | — Israel | ◆ Italy | ▲ Japan | ▲ Netherlands |
| × New Zealand | — Norway | ◆ Poland | ■ Portugal | ▲ Romania | × Spain |
| — Sweden | ◆ Switzerland | ■ UK | ▲ USA | × USSR | — Yugoslavia |

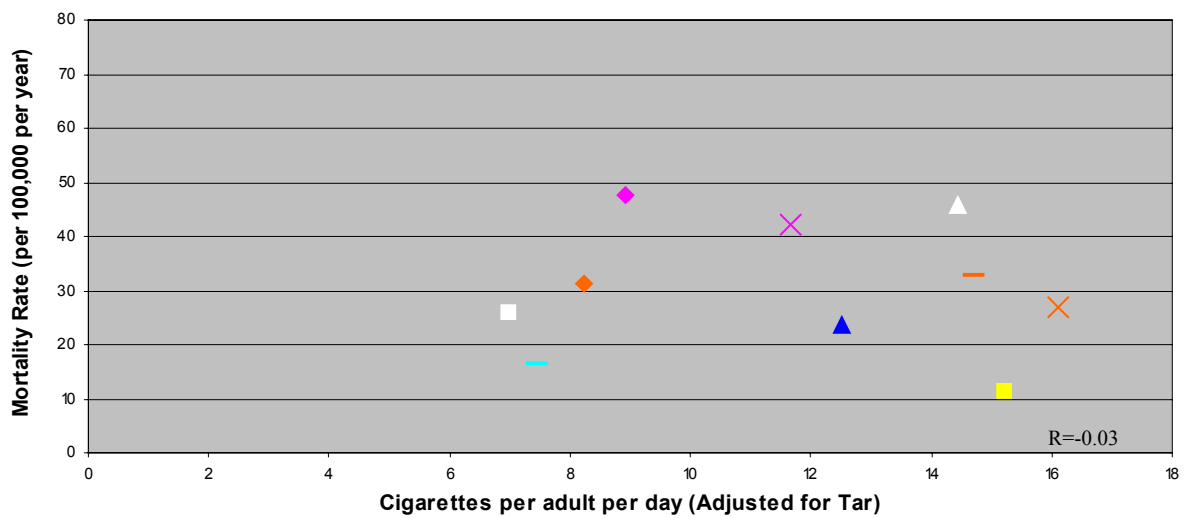
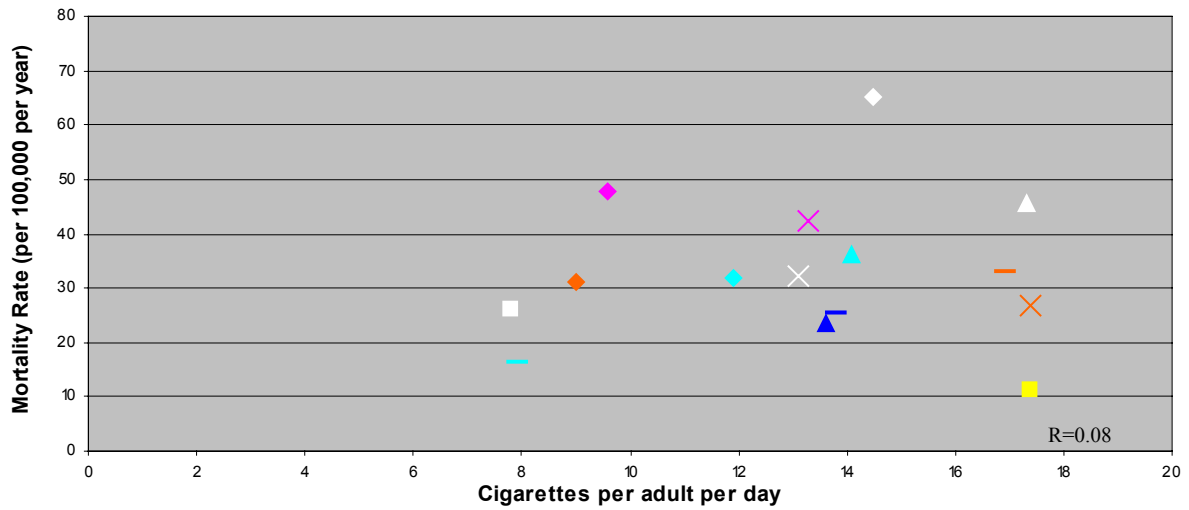
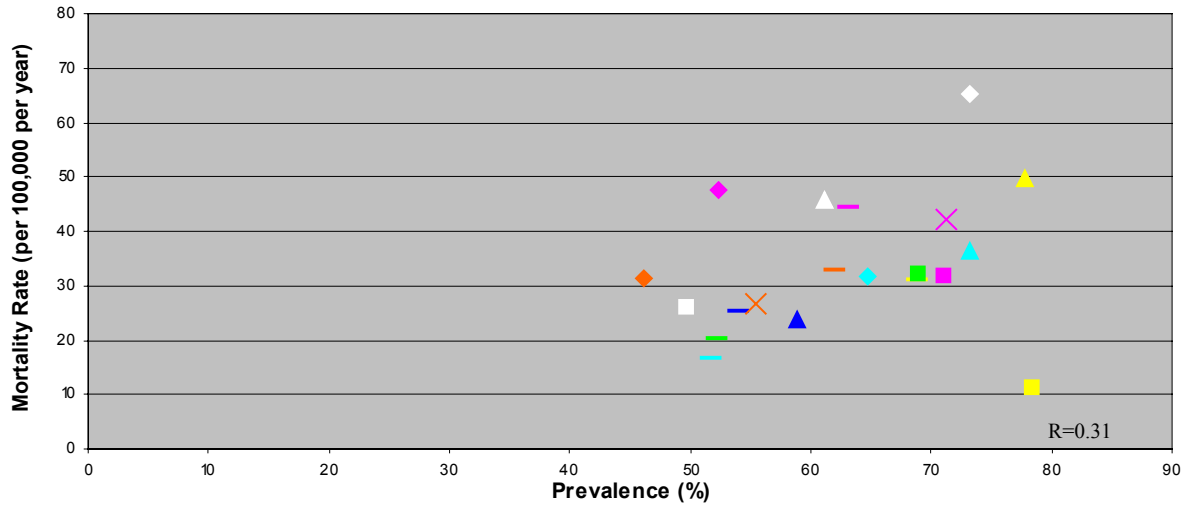
Table L6.2

Lung Cancer mortality rates (per 100,000 per year) and smoking habits 20 years earlier, by country, showing Pearson correlation coefficients

	Males	Age 45-49	Period 1981 to 1985	
	Mortality rate	Prevalence	Consumption	Cons tar adj
Australia	26.8			
Austria	31.7	71.1		
Belgium	49.8	77.7		
Bulgaria	52.5			
Canada	32.9	62.0	16.9	14.7
Czechoslovakia	73.2			
Denmark	26.0	49.7	7.8	7.0
Finland	23.6	58.8	13.6	12.5
France	42.3	71.3	13.3	11.7
Germany	31.0	68.8		
Greece	31.7	64.7	11.9	
Hungary	71.3			
Iceland	34.1			
Ireland	32.2		13.1	
Israel	25.2	53.9	13.8	
Italy	47.7	52.3	9.6	8.9
Japan	11.1	78.5	17.4	15.2
Netherlands	36.2	73.2	14.1	
New Zealand	26.8	55.5	17.4	16.1
Norway	20.0	52.1		
Poland	65.3	73.2	14.5	
Portugal	19.7			
Romania	55.8			
Spain	31.2			
Sweden	16.5	51.7	7.9	7.4
Switzerland	31.3	46.1	9.0	8.2
UK	32.1	68.9		
USA	45.7	61.2	17.3	14.4
USSR	57.7			
Yugoslavia	44.4	63.1		
	N	20	15	10
	R	0.31	0.08	-0.03

Figure L6.2

Scatter plots relating Lung Cancer mortality to smoking habits 20 years earlier
 Males Age 45-49 Period 1981 to 1985



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|---------------|---------------|-----------|------------|-----------|------------------|
| ◆ Australia | ◆ Austria | ◆ Belgium | ◆ Bulgaria | ◆ Canada | ◆ Czechoslovakia |
| □ Denmark | ▲ Finland | ◆ France | ◆ Germany | ◆ Greece | ◆ Hungary |
| ▲ Iceland | × Ireland | ◆ Israel | ◆ Italy | ◆ Japan | ◆ Netherlands |
| × New Zealand | ◆ Norway | ◆ Poland | ◆ Portugal | ◆ Romania | ◆ Spain |
| ◆ Sweden | ◆ Switzerland | ◆ UK | ◆ USA | ◆ USSR | ◆ Yugoslavia |

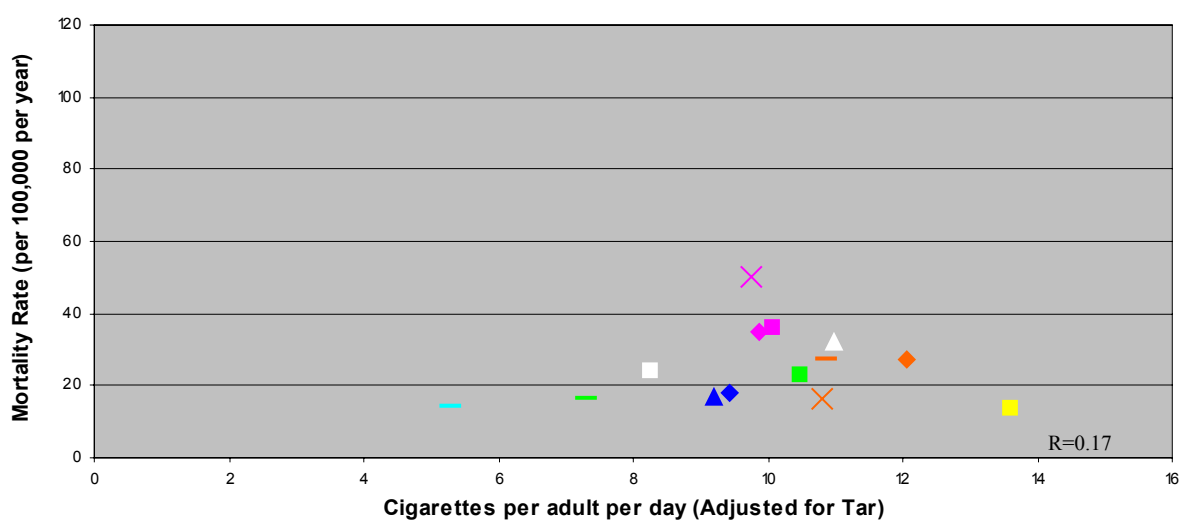
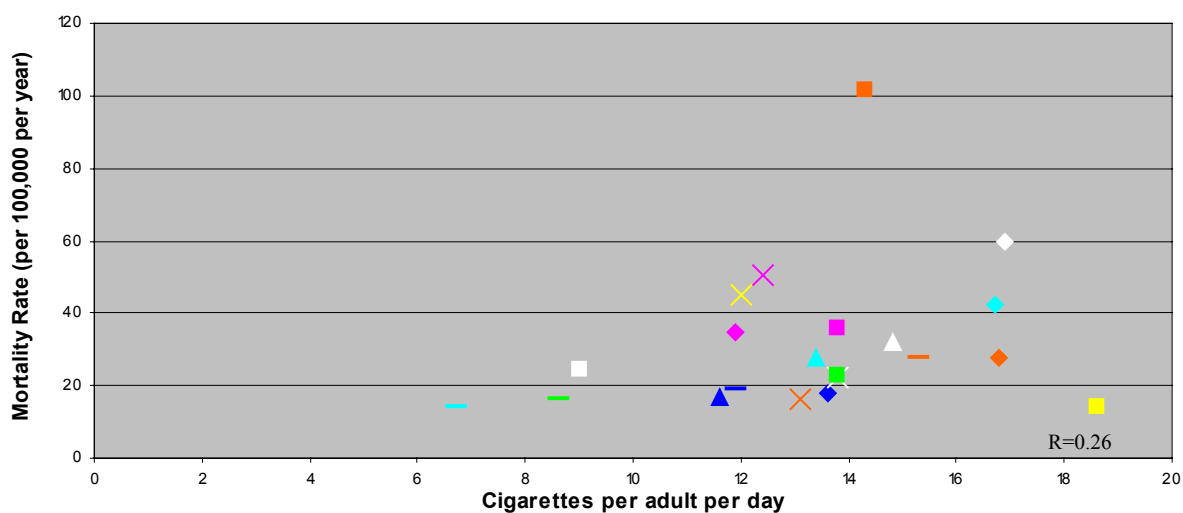
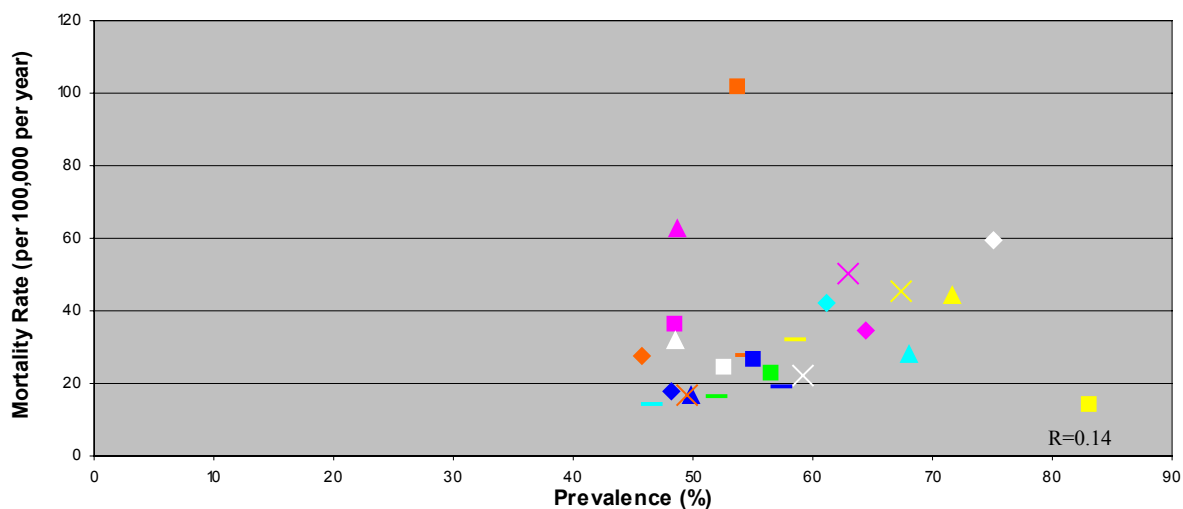
Table L6.3

Lung Cancer mortality rates (per 100,000 per year) and smoking habits 20 years earlier,
by country, showing Pearson correlation coefficients

	Males	Age 45-49	Period 1991 to 1995	
	Mortality rate	Prevalence	Consumption	Cons tar adj
Australia	17.8	48.2	13.6	9.4
Austria	35.9	48.5	13.8	10.1
Belgium	44.5	71.6		
Bulgaria	62.2			
Canada	27.4	54.5	15.3	10.9
Czechoslovakia		65.1		
Denmark	24.3	52.7	9.0	8.3
Finland	16.7	49.8	11.6	9.2
France	50.3	62.9	12.4	9.7
Germany	32.0	58.6		
Greece	42.1	61.1	16.7	
Hungary	101.4	53.7	14.3	
Iceland	13.0			
Ireland	22.3	59.2	13.8	
Israel	18.8	57.3	11.9	
Italy	34.7	64.4	11.9	9.9
Japan	13.9	83.1	18.6	13.6
Netherlands	27.9	68.1	13.4	
New Zealand	16.6	49.5	13.1	10.8
Norway	16.2	52.0	8.6	7.3
Poland	59.7	75.0	16.9	
Portugal	26.6	55.0		
Romania	62.8	48.7		
Spain	45.2	67.3	12.0	
Sweden	14.0	46.5	6.7	5.3
Switzerland	27.5	45.7	16.8	12.1
UK	22.8	56.6	13.8	10.5
USA	32.1	48.6	14.8	11.0
USSR		66.4	12.2	
Yugoslavia		57.3	12.6	
	N	25	21	14
	R	0.14	0.26	0.17

Figure L6.3

Scatter plots relating Lung Cancer mortality to smoking habits 20 years earlier
 Males Age 45-49 Period 1991 to 1995



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|--------------|---------------|-----------|------------|---------------|------------------|
| ◆ Australia | ◆ Austria | ▲ Belgium | × Bulgaria | — Canada | ◆ Czechoslovakia |
| □ Denmark | ▲ Finland | × France | — Germany | ▲ Greece | ■ Hungary |
| ▲ Iceland | × Ireland | — Israel | ◆ Italy | ▲ Netherlands | ▲ Japan |
| × NewZealand | — Norway | ◆ Poland | ◆ Portugal | ▲ Romania | × Spain |
| — Sweden | ◆ Switzerland | ■ UK | ▲ USA | × USSR | — Yugoslavia |

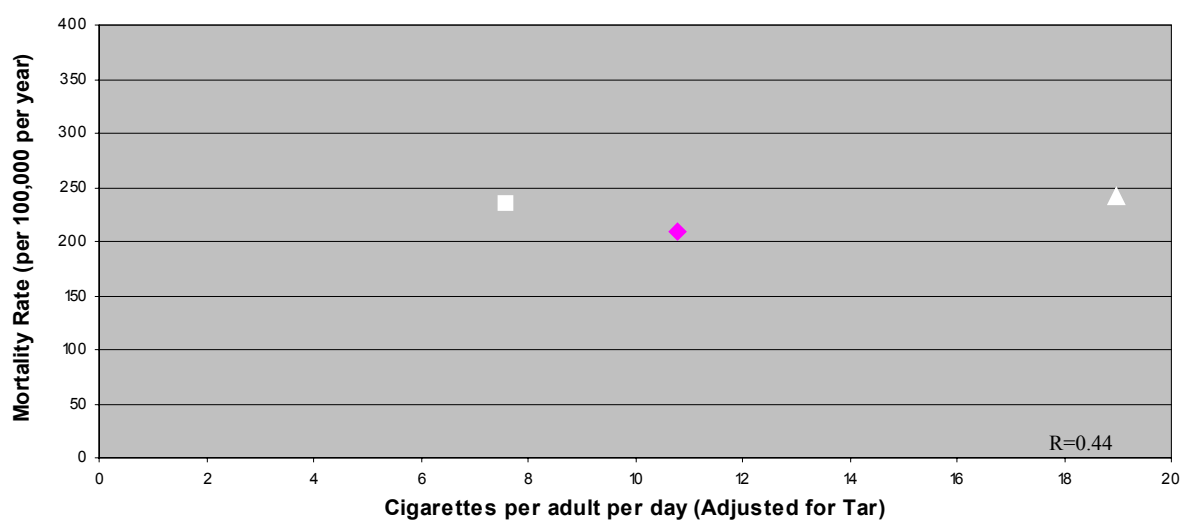
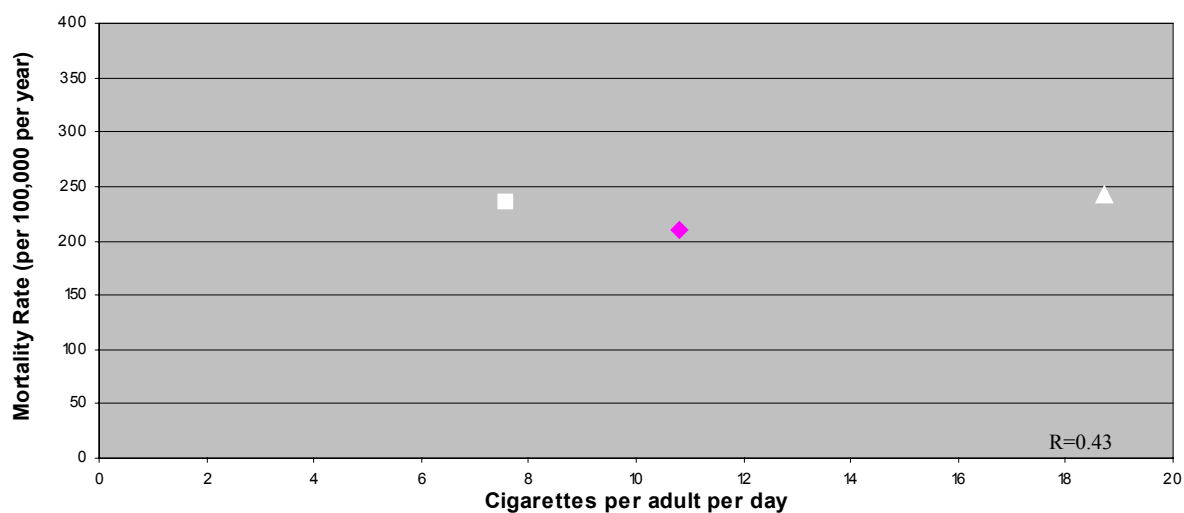
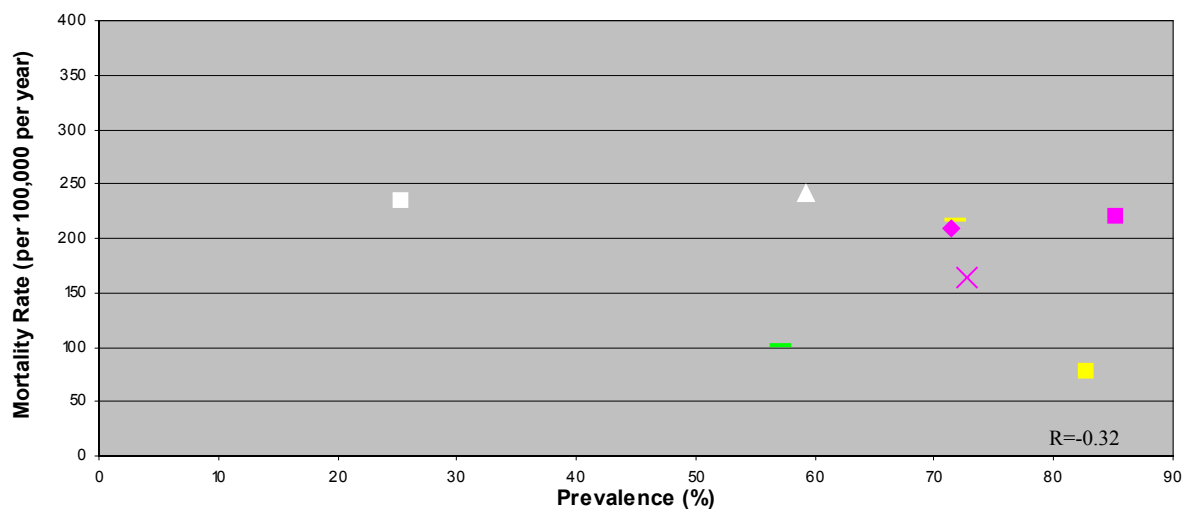
Table L6.4

Lung Cancer mortality rates (per 100,000 per year) and smoking habits 20 years earlier, by country, showing Pearson correlation coefficients

	Males	Age 60-64	Period 1971 to 1975	
	Mortality rate	Prevalence	Consumption	Cons tar adj
Australia	219.5			
Austria	219.7	85.2		
Belgium	331.5			
Bulgaria	174.3			
Canada	215.4			
Czechoslovakia	289.2			
Denmark	235.0	25.3	7.6	7.6
Finland	335.8			
France	164.4	72.8		
Germany	215.7	71.7		
Greece	167.9			
Hungary	200.5			
Iceland	54.6			
Ireland	215.8			
Israel	101.5			
Italy	209.1	71.4	10.8	10.8
Japan	77.9	82.7		
Netherlands	348.5			
New Zealand	212.8			
Norway	100.8	57.1		
Poland	211.1			
Portugal	74.7			
Romania	148.5			
Spain	131.4			
Sweden	96.5			
Switzerland	233.3			
UK	354.5			
USA	242.0	59.2	18.7	19.0
USSR				
Yugoslavia	147.3			
	N	8	3	3
	R	-0.32	0.43	0.44

Figure L6.4

Scatter plots relating Lung Cancer mortality to smoking habits 20 years earlier
 Males Age 60-64 Period 1971 to 1975



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|---------------|---------------|-----------|------------|---------------|------------------|
| ◆ Australia | ■ Austria | ▲ Belgium | × Bulgaria | — Canada | ◆ Czechoslovakia |
| □ Denmark | ▲ Finland | × France | — Germany | ● Greece | ■ Hungary |
| ▲ Iceland | × Ireland | — Israel | ◆ Italy | ▲ Netherlands | — New Zealand |
| — New Zealand | — Norway | ◆ Poland | ■ Portugal | ▲ Romania | — Spain |
| — Sweden | ◆ Switzerland | ■ UK | ▲ USA | × USSR | — Yugoslavia |

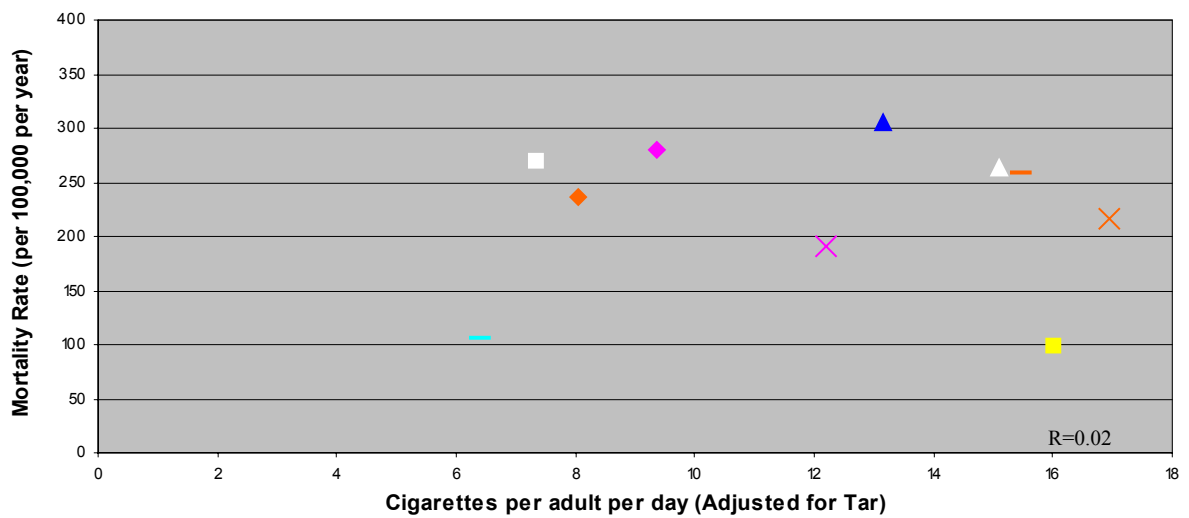
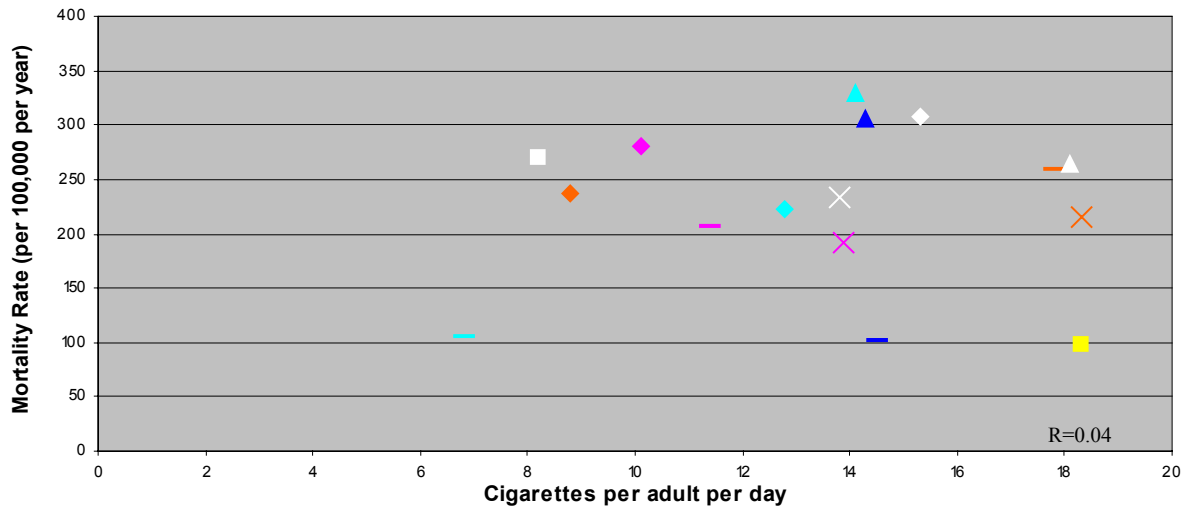
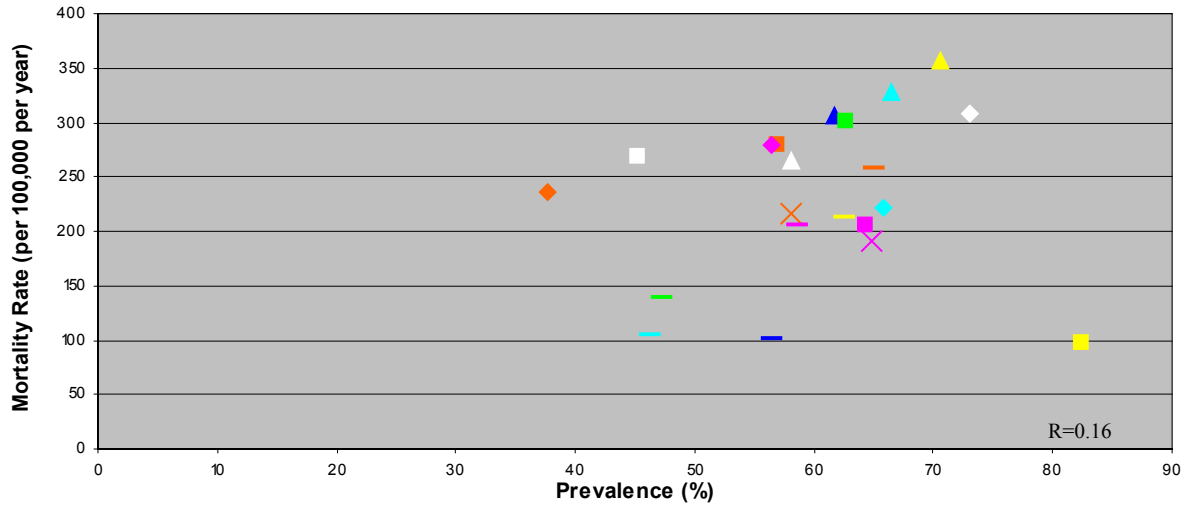
Table L6.5

Lung Cancer mortality rates (per 100,000 per year) and smoking habits 20 years earlier,
by country, showing Pearson correlation coefficients

	Males	Age 60-64	Period 1981 to 1985	
	Mortality rate	Prevalence	Consumption	Cons tar adj
Australia	210.2			
Austria	205.4	64.4		
Belgium	356.4	70.6		
Bulgaria	194.1			
Canada	258.0	65.0	17.8	15.5
Czechoslovakia	345.6			
Denmark	268.9	45.2	8.2	7.3
Finland	305.7	61.7	14.3	13.2
France	191.0	64.8	13.9	12.2
Germany	212.7	62.5		
Greece	222.4	65.8	12.8	
Hungary	280.1	57.0		
Iceland	159.1			
Ireland	233.7		13.8	
Israel	101.4	56.5	14.5	
Italy	279.9	56.5	10.1	9.4
Japan	97.6	82.5	18.3	16.0
Netherlands	328.5	66.5	14.1	
New Zealand	216.0	58.1	18.3	16.9
Norway	139.1	47.3		
Poland	308.2	73.1	15.3	
Portugal	94.4			
Romania	170.4			
Spain	177.5			
Sweden	105.3	46.2	6.8	6.4
Switzerland	236.8	37.6	8.8	8.1
UK	300.4	62.7		
USA	264.2	58.1	18.1	15.1
USSR	287.4			
Yugoslavia	205.6	58.6	11.4	
	N	21	16	10
	R	0.16	0.04	0.02

Figure L6.5

Scatter plots relating Lung Cancer mortality to smoking habits 20 years earlier
 Males Age 60-64 Period 1981 to 1985



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|--------------|---------------|-----------|------------|-----------|------------------|
| ◆ Australia | ◆ Austria | ▲ Belgium | × Bulgaria | — Canada | ◆ Czechoslovakia |
| ■ Denmark | ▲ Finland | × France | — Germany | — Hungary | ▲ Netherlands |
| ▲ Iceland | — Ireland | — Israel | ◆ Italy | ▲ Japan | ▲ Romania |
| × NewZealand | — Norway | ◆ Poland | ■ Portugal | ▲ Spain | ▲ USSR |
| — Sweden | ◆ Switzerland | ■ UK | | | |

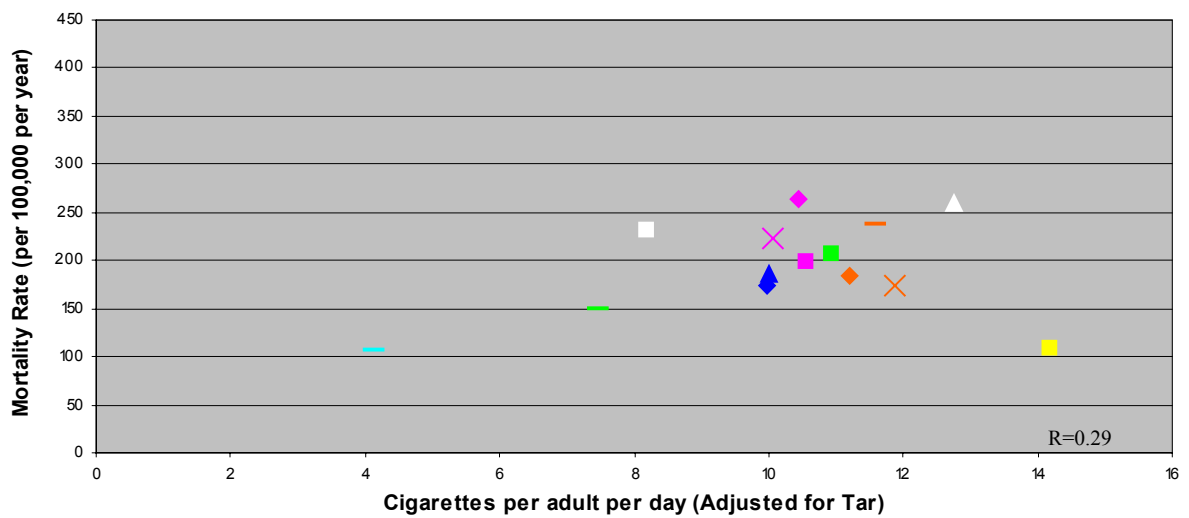
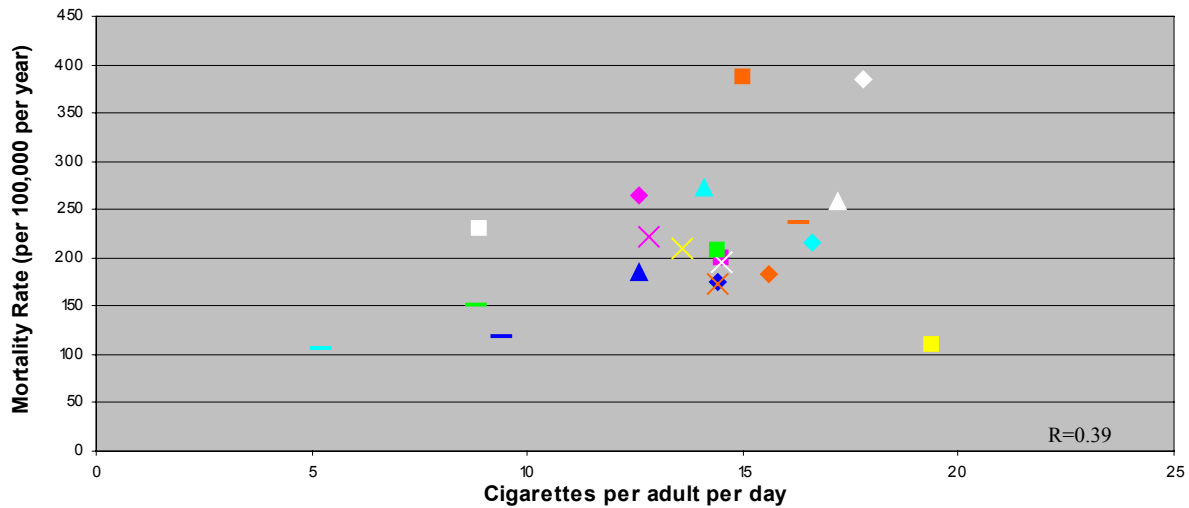
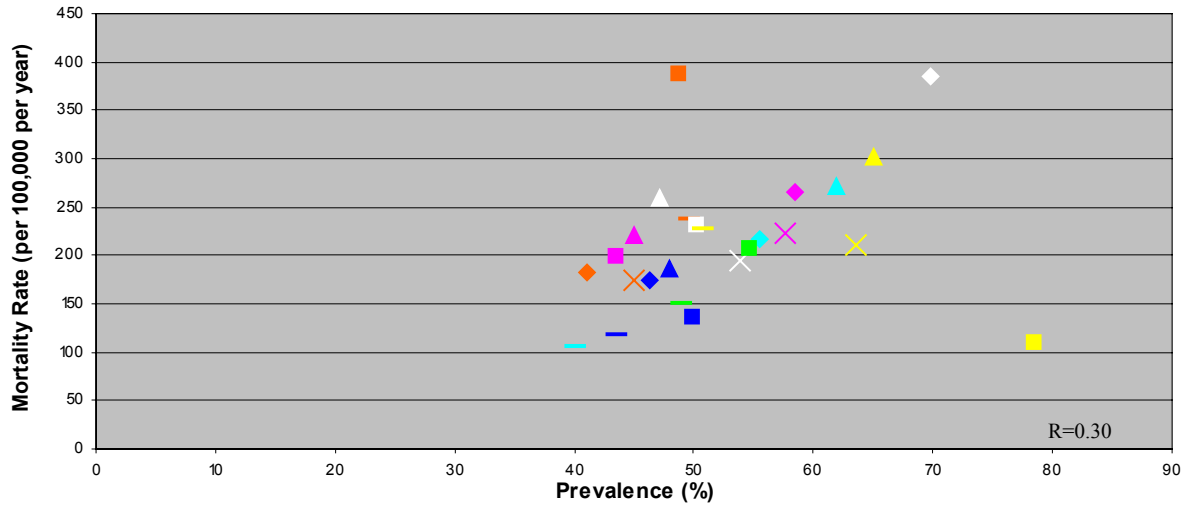
Table L6.6

Lung Cancer mortality rates (per 100,000 per year) and smoking habits 20 years earlier,
by country, showing Pearson correlation coefficients

	Males	Age 60-64	Period 1991 to 1995	
	Mortality rate	Prevalence	Consumption	Cons tar adj
Australia	174.8	46.3	14.4	10.0
Austria	199.1	43.6	14.5	10.6
Belgium	302.8	65.1		
Bulgaria	210.4			
Canada	236.5	49.6	16.3	11.6
Czechoslovakia		59.4		
Denmark	230.5	50.2	8.9	8.2
Finland	186.2	47.9	12.6	10.0
France	222.2	57.7	12.8	10.1
Germany	226.9	50.7		
Greece	216.3	55.5	16.6	
Hungary	387.8	48.8	15.0	
Iceland	85.9			
Ireland	195.4	53.8	14.5	
Israel	117.8	43.5	9.4	
Italy	264.7	58.5	12.6	10.4
Japan	109.2	78.5	19.4	14.2
Netherlands	272.5	61.9	14.1	
New Zealand	173.8	45.0	14.4	11.9
Norway	150.3	49.0	8.8	7.5
Poland	384.1	69.8	17.8	
Portugal	134.9	50.0		
Romania	221.4	45.0		
Spain	210.1	63.6	13.6	
Sweden	106.3	40.1	5.2	4.1
Switzerland	183.2	41.1	15.6	11.2
UK	207.2	54.7	14.4	11.0
USA	258.9	47.1	17.2	12.8
USSR		55.4	10.9	
Yugoslavia		57.2	14.6	
	N	25	21	14
	R	0.30	0.39	0.29

Figure L6.6

Scatter plots relating Lung Cancer mortality to smoking habits 20 years earlier
 Males Age 60-64 Period 1991 to 1995



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|---------------|---------------|-----------|------------|-----------|------------------|
| ◆ Australia | ◆ Austria | ▲ Belgium | × Bulgaria | — Canada | ◆ Czechoslovakia |
| ■ Denmark | ▲ Finland | × France | — Germany | — Greece | ■ Hungary |
| ▲ Iceland | — Ireland | — Israel | ◆ Italy | ▲ Japan | ▲ Netherlands |
| × New Zealand | — Norway | ◆ Poland | ◆ Portugal | ▲ Romania | × Spain |
| — Sweden | ◆ Switzerland | ■ UK | ▲ USA | × USSR | — Yugoslavia |

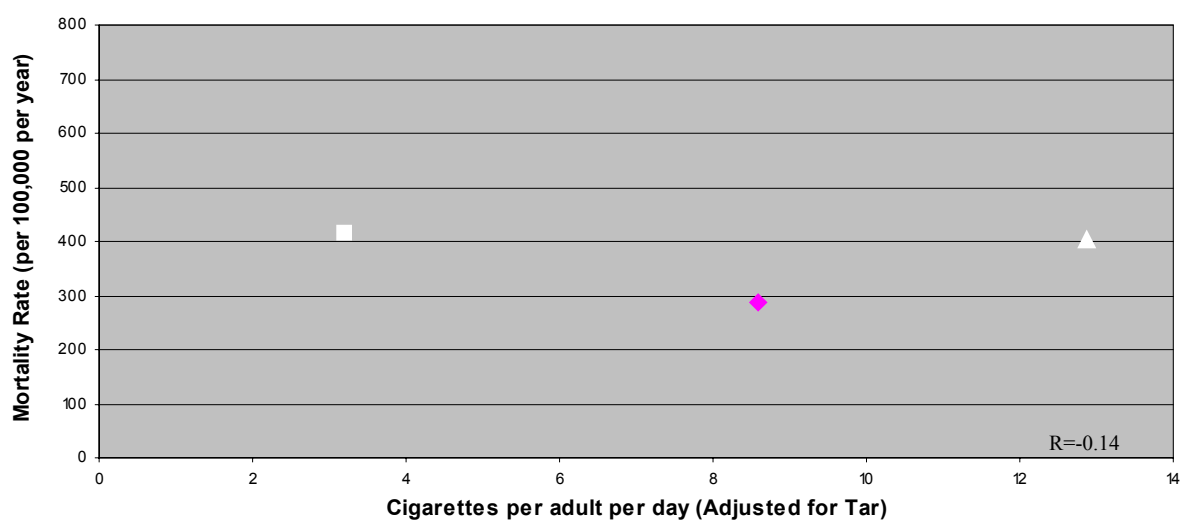
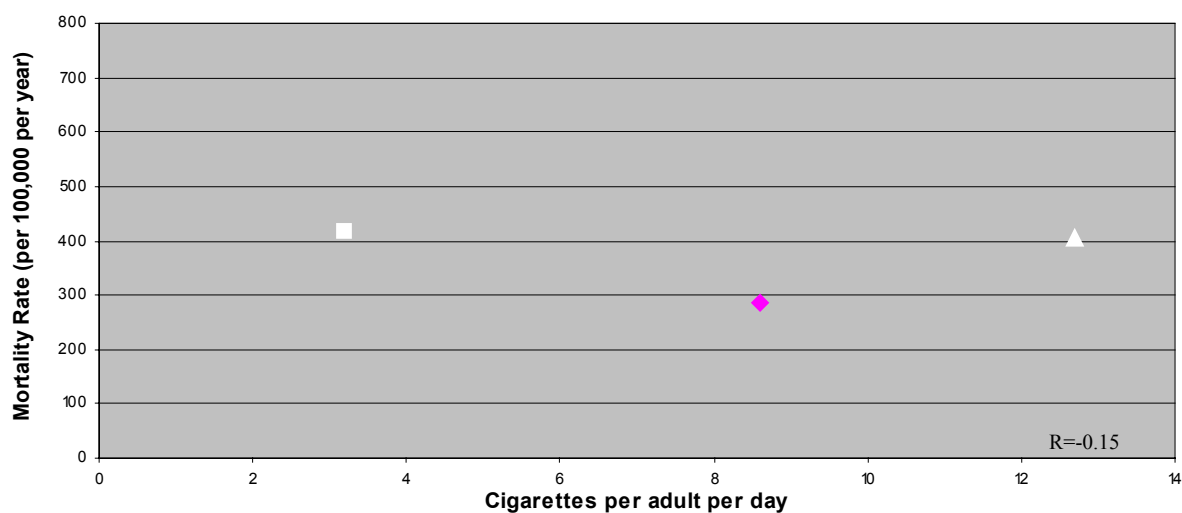
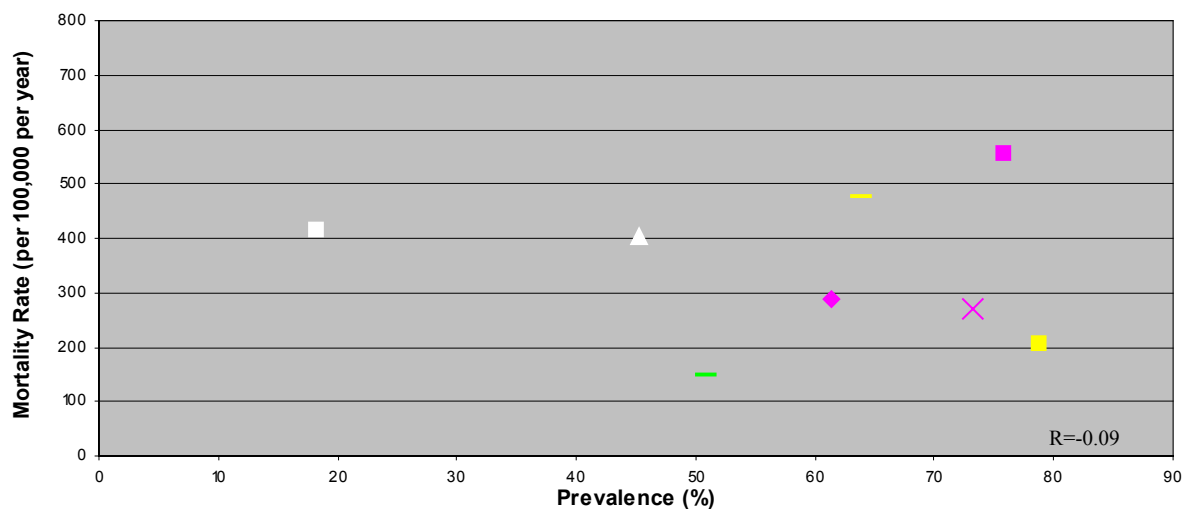
Table L6.7

Lung Cancer mortality rates (per 100,000 per year) and smoking habits 20 years earlier, by country, showing Pearson correlation coefficients

	Males	Age 75-79	Period 1971 to 1975	
	Mortality rate	Prevalence	Consumption	Cons tar adj
Australia	465.9			
Austria	555.5	75.9		
Belgium	550.7			
Bulgaria	262.9			
Canada	398.4			
Czechoslovakia	585.7			
Denmark	415.0	18.3	3.2	3.2
Finland	554.4			
France	270.9	73.2		
Germany	473.9	63.9		
Greece	355.0			
Hungary	441.8			
Iceland	166.7			
Ireland	314.6			
Israel	277.4			
Italy	287.6	61.4	8.6	8.6
Japan	207.1	78.8		
Netherlands	637.7			
New Zealand	482.9			
Norway	149.5	50.9		
Poland	303.1			
Portugal	108.3			
Romania	165.3			
Spain	223.3			
Sweden	262.7			
Switzerland	366.9			
UK	722.8			
USA	404.5	45.2	12.7	12.9
USSR				
Yugoslavia	271.1			
N		8	3	3
R		-0.09	-0.15	-0.14

Figure L6.7

Scatter plots relating Lung Cancer mortality to smoking habits 20 years earlier
 Males Age 75-79 Period 1971 to 1975



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|---------------|---------------|-----------|------------|---------------|------------------|
| ◆ Australia | ■ Austria | ▲ Belgium | × Bulgaria | — Canada | ◆ Czechoslovakia |
| □ Denmark | ▲ Finland | × France | — Germany | ● Greece | ■ Hungary |
| ▲ Iceland | × Ireland | — Israel | ◆ Italy | ▲ Netherlands | |
| × New Zealand | — Norway | ◆ Poland | ■ Portugal | ▲ Romania | × Spain |
| — Sweden | ◆ Switzerland | ■ UK | ▲ USA | × USSR | — Yugoslavia |

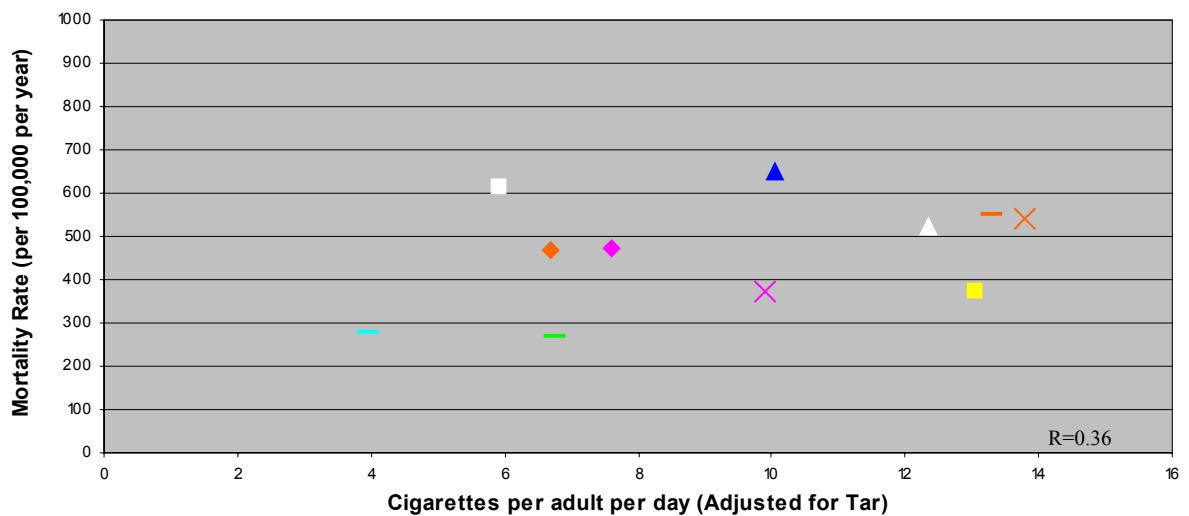
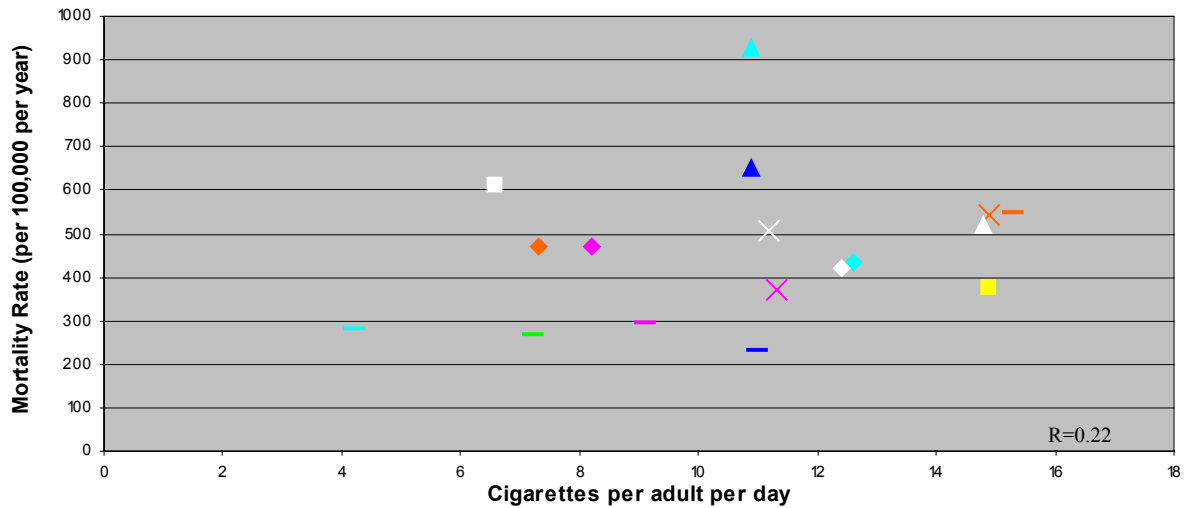
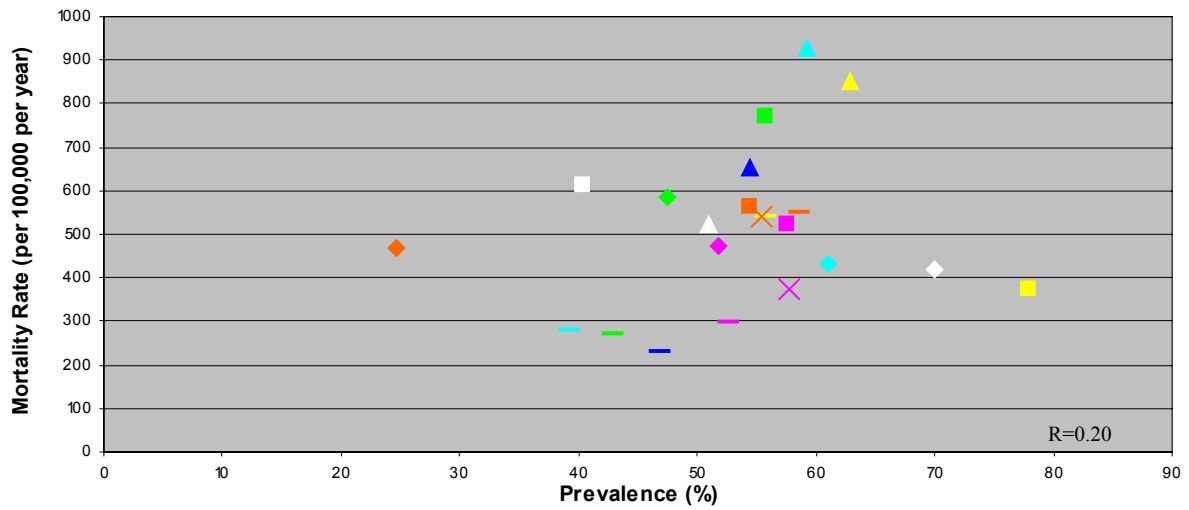
Table L6.8

Lung Cancer mortality rates (per 100,000 per year) and smoking habits 20 years earlier, by country, showing Pearson correlation coefficients

	Males	Age 75-79	Period 1981 to 1985	
	Mortality rate	Prevalence	Consumption	Cons tar adj
Australia	515.1			
Austria	524.4	57.5		
Belgium	853.0	62.9		
Bulgaria	226.7			
Canada	548.0	58.6	15.3	13.3
Czechoslovakia	587.4	47.5		
Denmark	612.0	40.3	6.6	5.9
Finland	652.0	54.4	10.9	10.0
France	372.9	57.8	11.3	9.9
Germany	540.2	55.7		
Greece	434.3	61.1	12.6	
Hungary	562.1	54.4		
Iceland	163.5			
Ireland	506.6		11.2	
Israel	231.2	46.8	11.0	
Italy	470.8	51.8	8.2	7.6
Japan	373.4	78.0	14.9	13.0
Netherlands	929.4	59.3	10.9	
New Zealand	542.0	55.5	14.9	13.8
Norway	268.2	42.8	7.2	6.7
Poland	420.8	69.9	12.4	
Portugal	175.0			
Romania	139.3			
Spain	360.3			
Sweden	278.5	39.2	4.2	4.0
Switzerland	468.9	24.7	7.3	6.7
UK	771.2	55.8		
USA	521.2	50.9	14.8	12.4
USSR	316.8			
Yugoslavia	295.8	52.6	9.1	
	N	22	17	11
	R	0.20	0.22	0.36

Figure L6.8

Scatter plots relating Lung Cancer mortality to smoking habits 20 years earlier
 Males Age 75-79 Period 1981 to 1985



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|--------------|---------------|------------|------------|-----------|------------------|
| ◆ Australia | ◆ Austria | ▲ Belgium | × Bulgaria | — Canada | ◆ Czechoslovakia |
| ■ Denmark | ▲ Finland | × France | — Germany | — Hungary | ▲ Iceland |
| ▲ NewZealand | × Ireland | — Israel | ◆ Italy | ◆ Japan | ▲ Netherlands |
| — Norway | ◆ Poland | ◆ Portugal | ◆ Romania | ▲ Spain | ▲ Yugoslavia |
| — Sweden | ◆ Switzerland | ■ UK | ▲ USA | × USSR | — |

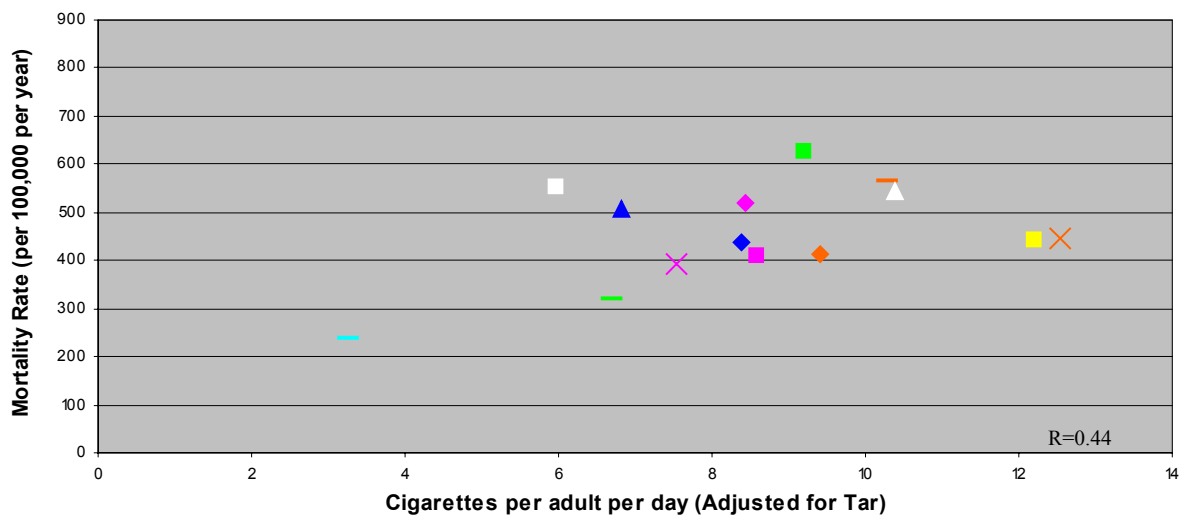
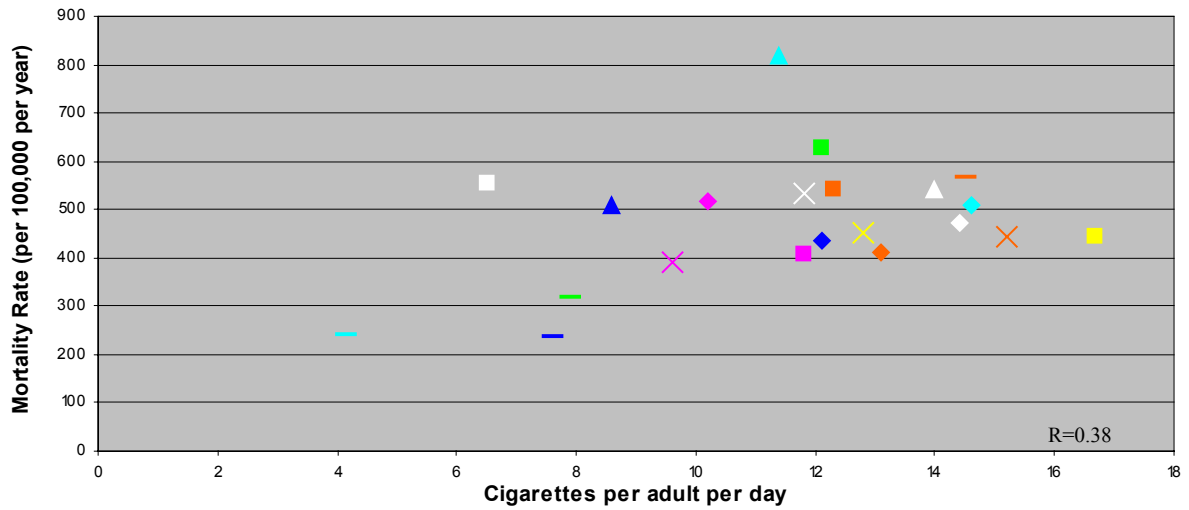
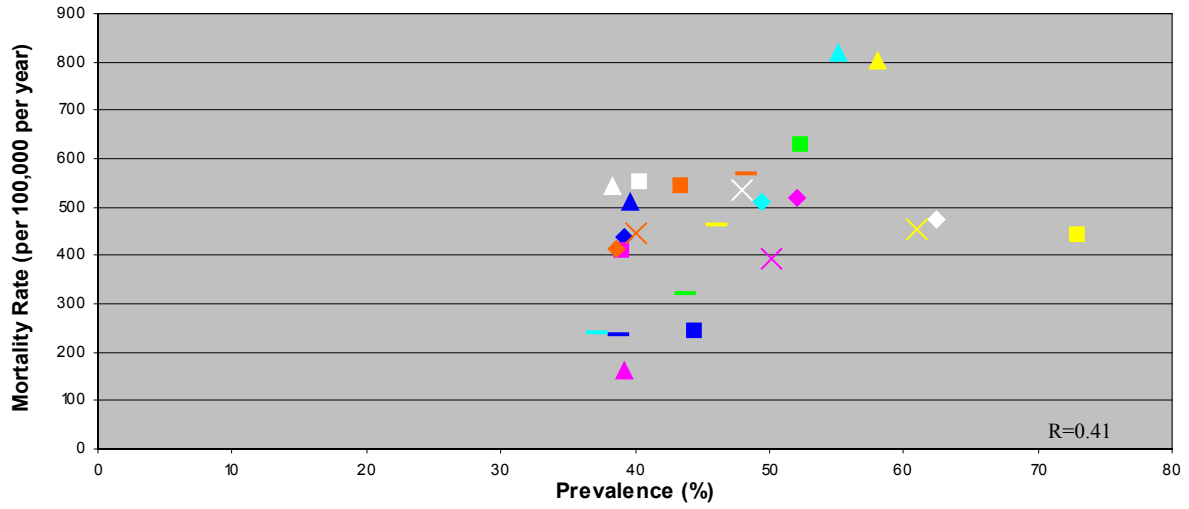
Table L6.9

Lung Cancer mortality rates (per 100,000 per year) and smoking habits 20 years earlier, by country, showing Pearson correlation coefficients

	Males	Age 75-79	Period 1991 to 1995	
	Mortality rate	Prevalence	Consumption	Cons tar adj
Australia	437.7	39.2	12.1	8.4
Austria	408.1	39.1	11.8	8.6
Belgium	802.4	58.0		
Bulgaria	203.2			
Canada	566.5	48.2	14.5	10.3
Czechoslovakia		52.3		
Denmark	553.2	40.4	6.5	6.0
Finland	508.9	39.6	8.6	6.8
France	392.8	50.2	9.6	7.5
Germany	461.6	46.1		
Greece	509.7	49.5	14.6	
Hungary	542.2	43.5	12.3	
Iceland	310.9			
Ireland	533.6	47.9	11.8	
Israel	234.4	38.8	7.6	
Italy	517.9	52.1	10.2	8.4
Japan	443.6	73.0	16.7	12.2
Netherlands	820.1	55.2	11.4	
New Zealand	445.8	40.1	15.2	12.5
Norway	318.8	43.7	7.9	6.7
Poland	473.2	62.4	14.4	
Portugal	241.8	44.5		
Romania	163.1	39.2		
Spain	454.0	61.0	12.8	
Sweden	238.8	37.1	4.1	3.3
Switzerland	412.3	38.6	13.1	9.4
UK	627.9	52.3	12.1	9.2
USA	543.1	38.3	14.0	10.4
USSR		46.8	8.9	
Yugoslavia		51.7	12.3	
	N	25	21	14
	R	0.41	0.38	0.44

Figure L6.9

Scatter plots relating Lung Cancer mortality to smoking habits 20 years earlier
 Males Age 75-79 Period 1991 to 1995



- | | | | | | |
|---------------|---------------|-----------|------------|---------------|------------------|
| ◆ Australia | ◆ Austria | ▲ Belgium | × Bulgaria | — Canada | ◆ Czechoslovakia |
| ■ Denmark | ▲ Finland | × France | — Germany | ▲ Greece | ■ Hungary |
| ▲ Iceland | — Ireland | — Israel | ◆ Italy | ▲ Netherlands | ▲ New Zealand |
| × New Zealand | — Norway | ◆ Poland | ◆ Portugal | ▲ Romania | × Spain |
| — Sweden | ◆ Switzerland | ■ UK | ▲ USA | × USSR | — Yugoslavia |

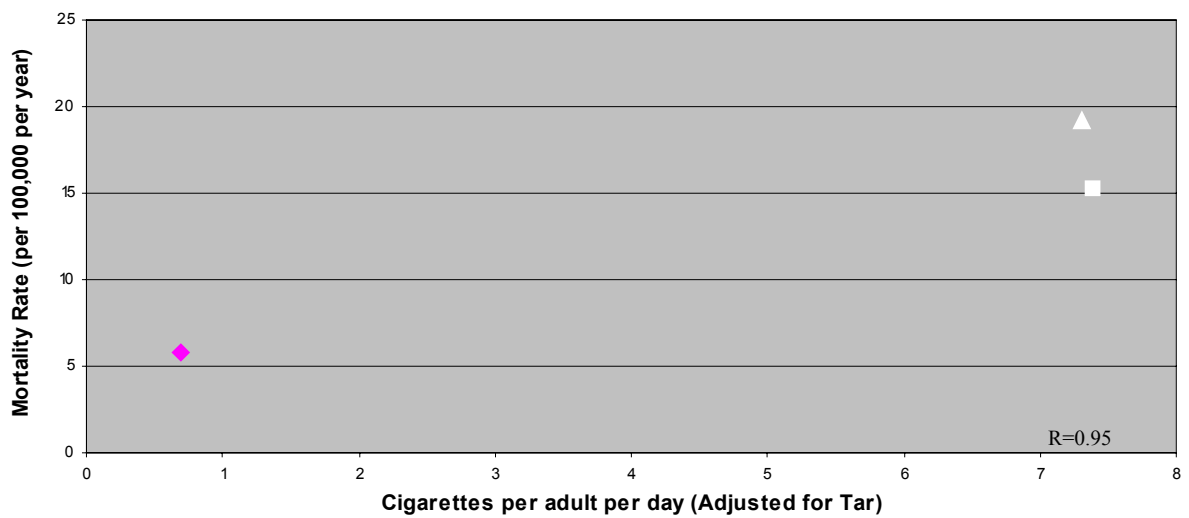
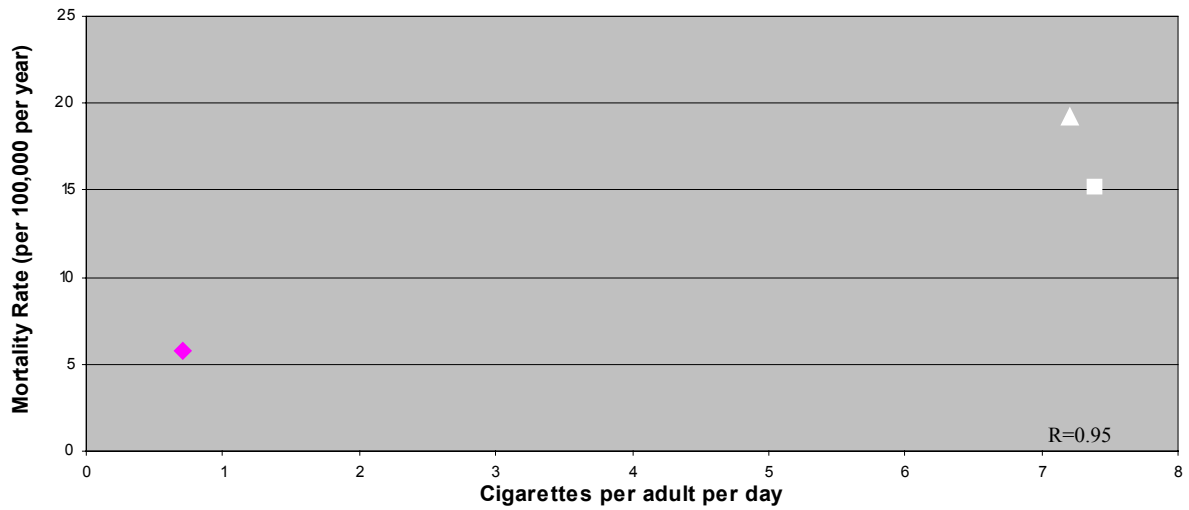
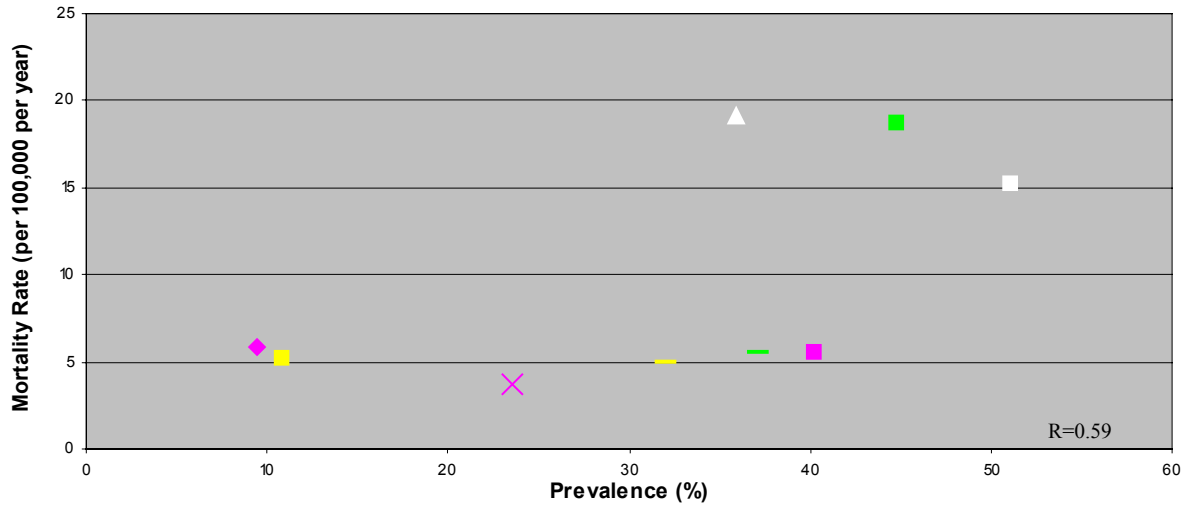
Table L6.10

Lung Cancer mortality rates (per 100,000 per year) and smoking habits 20 years earlier, by country, showing Pearson correlation coefficients

	Females	Age 45-49	Period 1971 to 1975	
	Mortality rate	Prevalence	Consumption	Cons tar adj
Australia	9.7			
Austria	5.6	40.3		
Belgium	6.2			
Bulgaria	6.8			
Canada	12.1			
Czechoslovakia	5.9			
Denmark	15.2	51.1	7.4	7.4
Finland	4.3			
France	3.7	23.5		
Germany	5.0	32.0		
Greece	7.9			
Hungary	7.6			
Iceland	18.9			
Ireland	14.2			
Israel	7.6			
Italy	5.8	9.4	0.7	0.7
Japan	5.2	10.9		
Netherlands	5.1			
New Zealand	12.4			
Norway	5.6	37.1		
Poland	6.4			
Portugal	2.7			
Romania	6.6			
Spain	5.2			
Sweden	5.3			
Switzerland	5.2			
UK	18.7	44.8		
USA	19.2	35.9	7.2	7.3
USSR				
Yugoslavia	6.0			
	N	9	3	3
	R	0.59	0.95	0.95

Figure L6.10

Scatter plots relating Lung Cancer mortality to smoking habits 20 years earlier
 Females Age 45-49 Period 1971 to 1975



- | | | | | | |
|--------------|---------------|-----------|------------|-----------|------------------|
| ◆ Australia | ◆ Austria | ▲ Belgium | × Bulgaria | — Canada | ◆ Czechoslovakia |
| □ Denmark | ▲ Finland | × France | — Germany | — Greece | — Hungary |
| ▲ Iceland | × Ireland | — Israel | ◆ Italy | ◆ Japan | ▲ Netherlands |
| × NewZealand | — Norway | ◆ Poland | ◆ Portugal | ▲ Romania | × Spain |
| — Sweden | ◆ Switzerland | ■ UK | ▲ USA | × USSR | — Yugoslavia |

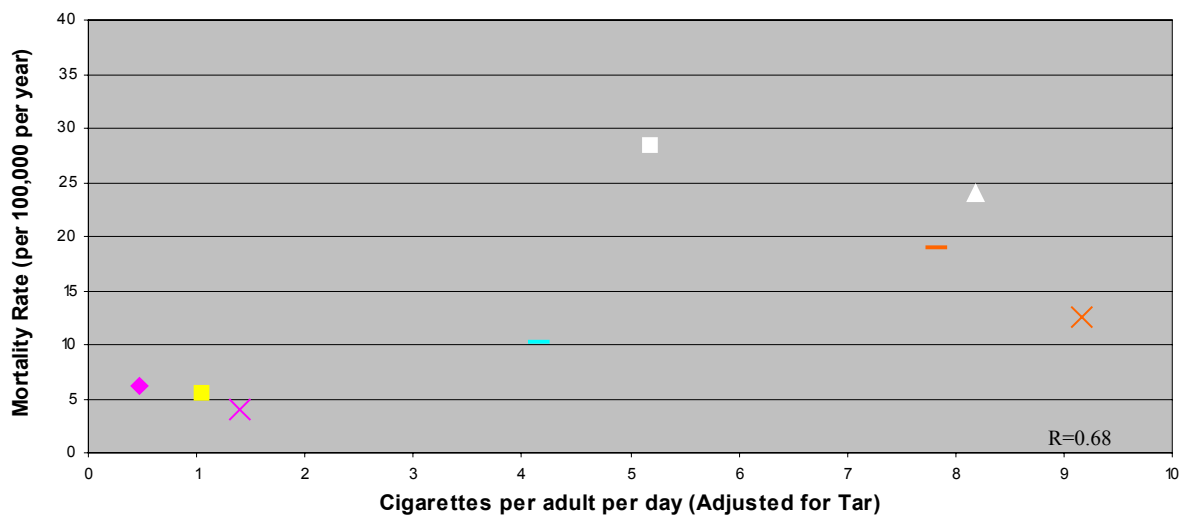
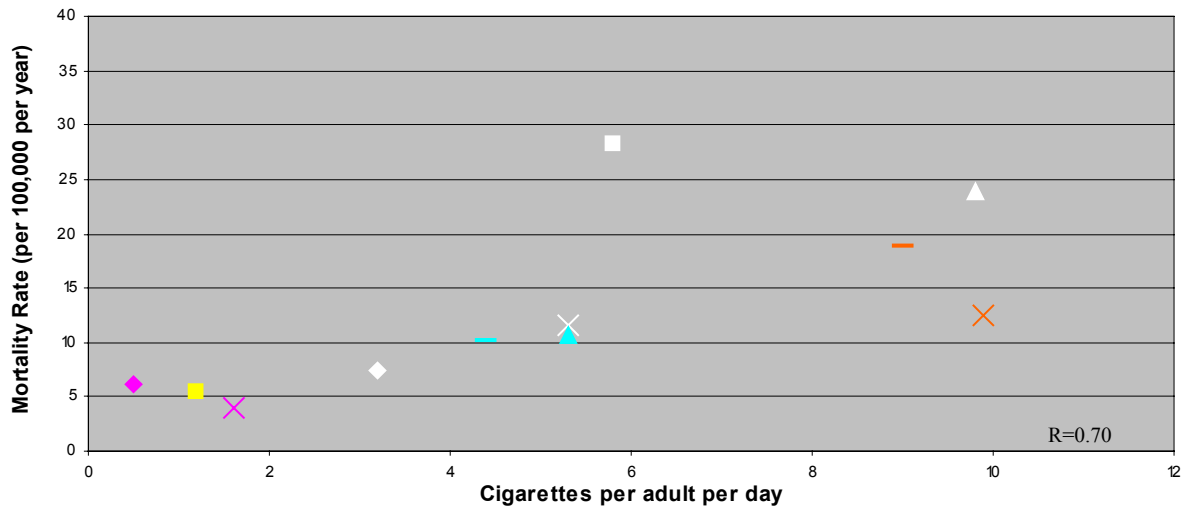
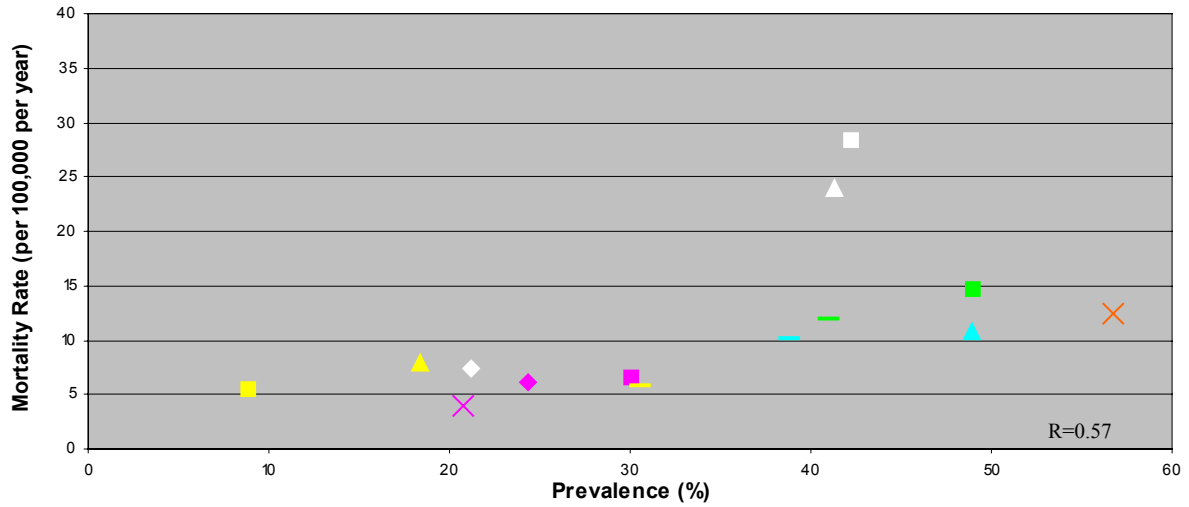
Table L6.11

Lung Cancer mortality rates (per 100,000 per year) and smoking habits 20 years earlier, by country, showing Pearson correlation coefficients

	Females	Age 45-49	Period 1981 to 1985	
	Mortality rate	Prevalence	Consumption	Cons tar adj
Australia	9.7			
Austria	6.5	30.2		
Belgium	7.9	18.4		
Bulgaria	6.8			
Canada	18.8		9.0	7.8
Czechoslovakia	8.5			
Denmark	28.3	42.3	5.8	5.2
Finland	3.8			
France	4.0	20.8	1.6	1.4
Germany	5.8	30.5		
Greece	5.7			
Hungary	15.2			
Iceland	37.6			
Ireland	11.5		5.3	
Israel	4.7			
Italy	6.2	24.4	0.5	0.5
Japan	5.4	8.9	1.2	1.1
Netherlands	10.7	48.9	5.3	
New Zealand	12.5	56.7	9.9	9.2
Norway	11.8	41.0		
Poland	7.4	21.2	3.2	
Portugal	4.1			
Romania	7.8			
Spain	3.7			
Sweden	10.1	38.8	4.4	4.1
Switzerland	7.2			
UK	14.6	49.0		
USA	23.9	41.3	9.8	8.2
USSR	6.6			
Yugoslavia	8.6			
	N	14	11	8
	R	0.57	0.70	0.68

Figure L6.11

Scatter plots relating Lung Cancer mortality to smoking habits 20 years earlier
 Females Age 45-49 Period 1981 to 1985



- | | | | | | |
|--------------|---------------|-----------|------------|---------------|------------------|
| ◆ Australia | ◆ Austria | ▲ Belgium | ⊠ Bulgaria | — Canada | ◆ Czechoslovakia |
| □ Denmark | ▲ Finland | × France | — Germany | ● Greece | ■ Hungary |
| ▲ Iceland | × Ireland | — Israel | ◆ Italy | ▲ Netherlands | ■ NewZealand |
| × NewZealand | — Norway | ◆ Poland | ■ Portugal | ▲ Romania | ▲ Spain |
| — Sweden | ◆ Switzerland | ■ UK | ▲ USA | × USSR | — Yugoslavia |

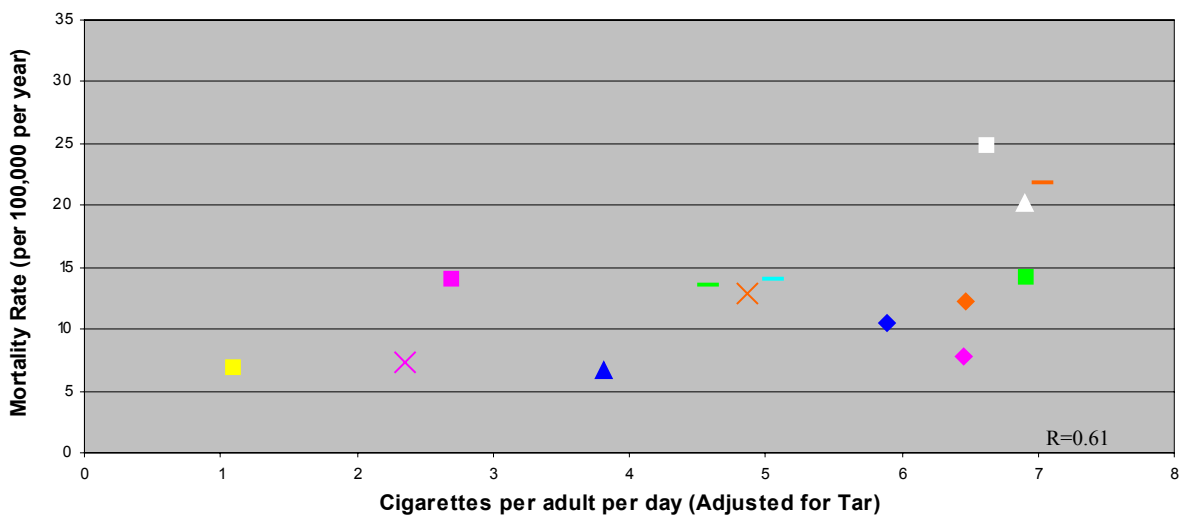
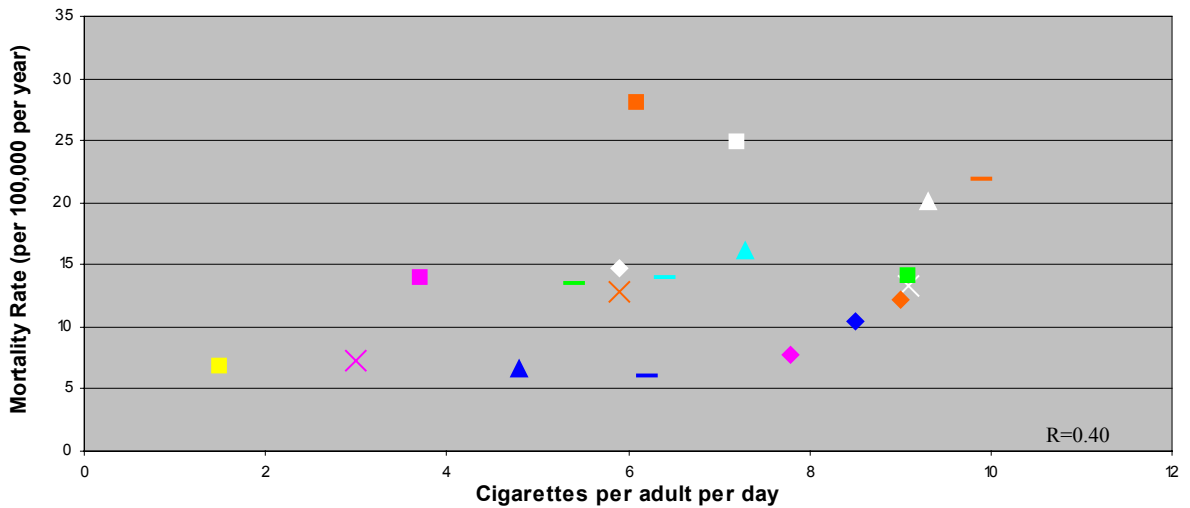
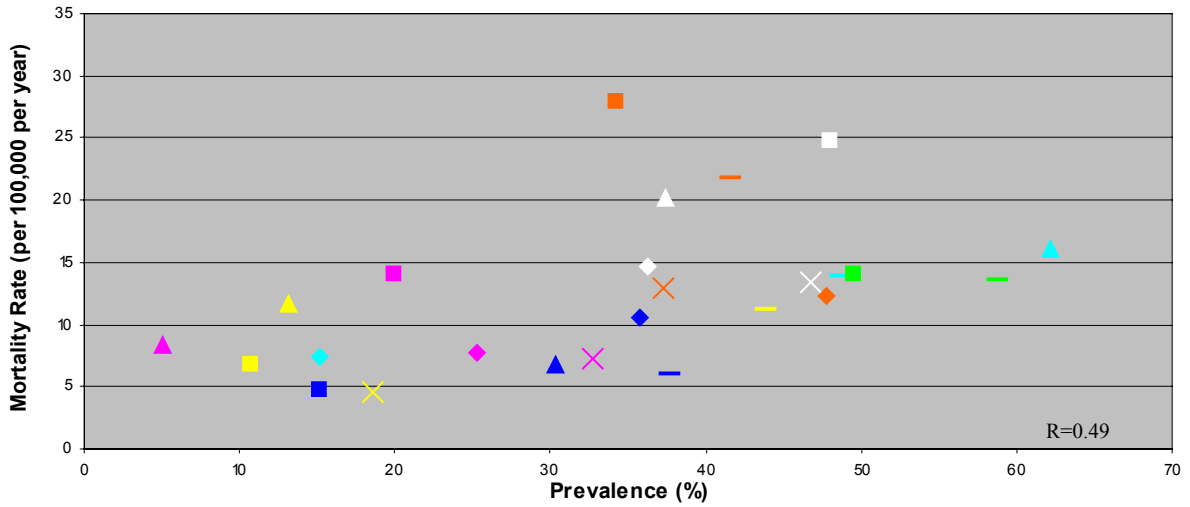
Table L6.12

Lung Cancer mortality rates (per 100,000 per year) and smoking habits 20 years earlier,
by country, showing Pearson correlation coefficients

	Females	Age 45-49	Period 1991 to 1995	
	Mortality rate	Prevalence	Consumption	Cons tar adj
Australia	10.5	35.7	8.5	5.9
Austria	14.0	20.0	3.7	2.7
Belgium	11.7	13.1		
Bulgaria	8.3			
Canada	21.8	41.6	9.9	7.0
Czechoslovakia		23.9		
Denmark	24.8	48.0	7.2	6.6
Finland	6.7	30.3	4.8	3.8
France	7.3	32.7	3.0	2.4
Germany	11.2	43.9		
Greece	7.5	15.1		
Hungary	28.0	34.3	6.1	
Iceland	33.0			
Ireland	13.4	46.7	9.1	
Israel	6.0	37.6	6.2	
Italy	7.7	25.3	7.8	6.5
Japan	6.8	10.8	1.5	1.1
Netherlands	16.1	62.2	7.3	
New Zealand	12.9	37.3	5.9	4.9
Norway	13.5	58.8	5.4	4.6
Poland	14.7	36.3	5.9	
Portugal	4.7	15.1		
Romania	8.4	5.1		
Spain	4.5	18.6		
Sweden	13.9	48.6	6.4	5.1
Switzerland	12.3	47.7	9.0	6.5
UK	14.1	49.5	9.1	6.9
USA	20.2	37.4	9.3	6.9
USSR		14.1	1.3	
Yugoslavia		13.1	1.9	
	N	25	19	14
	R	0.49	0.40	0.61

Figure L6.12

Scatter plots relating Lung Cancer mortality to smoking habits 20 years earlier
 Females Age 45-49 Period 1991 to 1995



- | | | | | | |
|-------------|---------------|------------|------------|---------------|------------------|
| ◆ Australia | ■ Austria | ▲ Belgium | × Bulgaria | — Canada | ◆ Czechoslovakia |
| □ Denmark | ▲ Finland | × France | — Germany | ▲ Greece | ■ Hungary |
| ▲ Iceland | × Ireland | — Israel | ◆ Italy | ▲ Netherlands | ▲ New Zealand |
| × Norway | — Poland | ◆ Portugal | ▲ Romania | ▲ Spain | × USSR |
| — Sweden | ◆ Switzerland | ■ UK | | | — Yugoslavia |

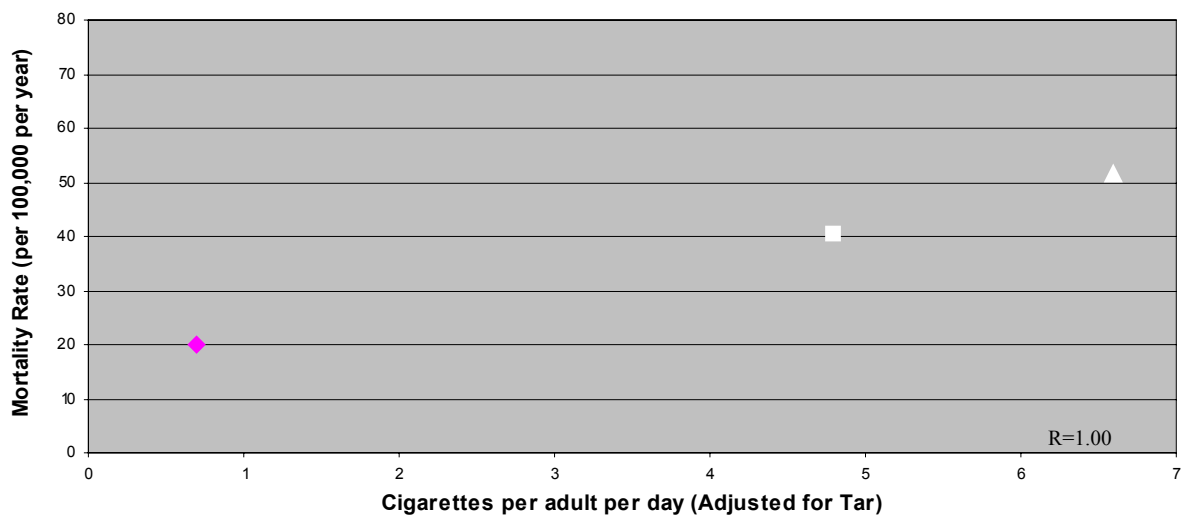
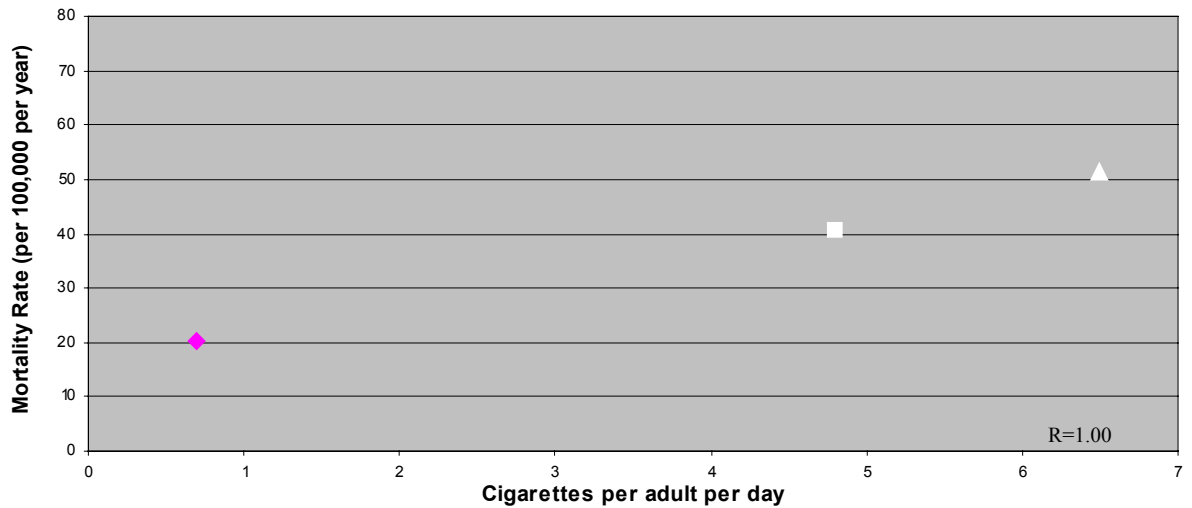
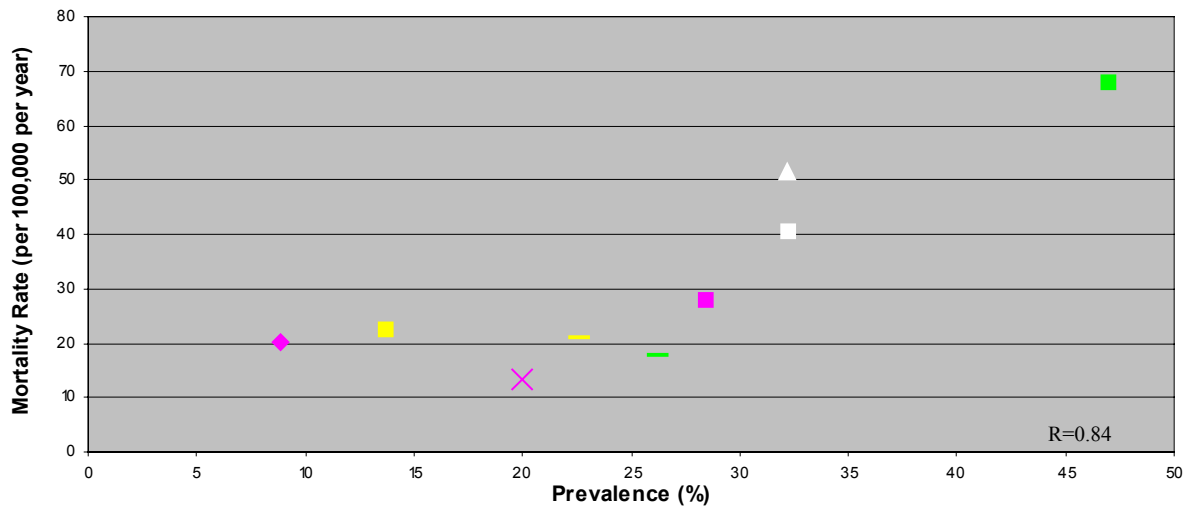
Table L6.13

Lung Cancer mortality rates (per 100,000 per year) and smoking habits 20 years earlier, by country, showing Pearson correlation coefficients

	Females	Age 60-64	Period 1971 to 1975	
	Mortality rate	Prevalence	Consumption	Cons tar adj
Australia	32.9			
Austria	27.6	28.5		
Belgium	19.1			
Bulgaria	27.0			
Canada	38.8			
Czechoslovakia	21.5			
Denmark	40.5	32.3	4.8	4.8
Finland	17.9			
France	13.4	20.0		
Germany	20.8	22.6		
Greece	25.9			
Hungary	30.4			
Iceland	51.8			
Ireland	59.4			
Israel	29.1			
Italy	20.1	8.9	0.7	0.7
Japan	22.4	13.7		
Netherlands	14.4			
New Zealand	49.4			
Norway	17.8	26.2		
Poland	21.4			
Portugal	12.6			
Romania	26.3			
Spain	15.9			
Sweden	22.0			
Switzerland	18.8			
UK	67.6	47.0		
USA	51.5	32.2	6.5	6.6
USSR				
Yugoslavia	22.4			
	N	9	3	3
	R	0.84	1.00	1.00

Figure L6.13

Scatter plots relating Lung Cancer mortality to smoking habits 20 years earlier
 Females Age 60-64 Period 1971 to 1975



- | | | | | | |
|---------------|-----------|------------|------------|---------------|------------------|
| ◆ Australia | ◆ Austria | ▲ Belgium | × Bulgaria | — Canada | ◆ Czechoslovakia |
| □ Denmark | ▲ Finland | × France | — Germany | — Greece | — Hungary |
| ▲ Iceland | × Ireland | — Israel | ◆ Italy | ▲ Netherlands | — NewZealand |
| — Norway | ◆ Poland | ◆ Portugal | ▲ Romania | — Spain | — Sweden |
| — Switzerland | ■ UK | ▲ USA | × USSR | — Yugoslavia | |

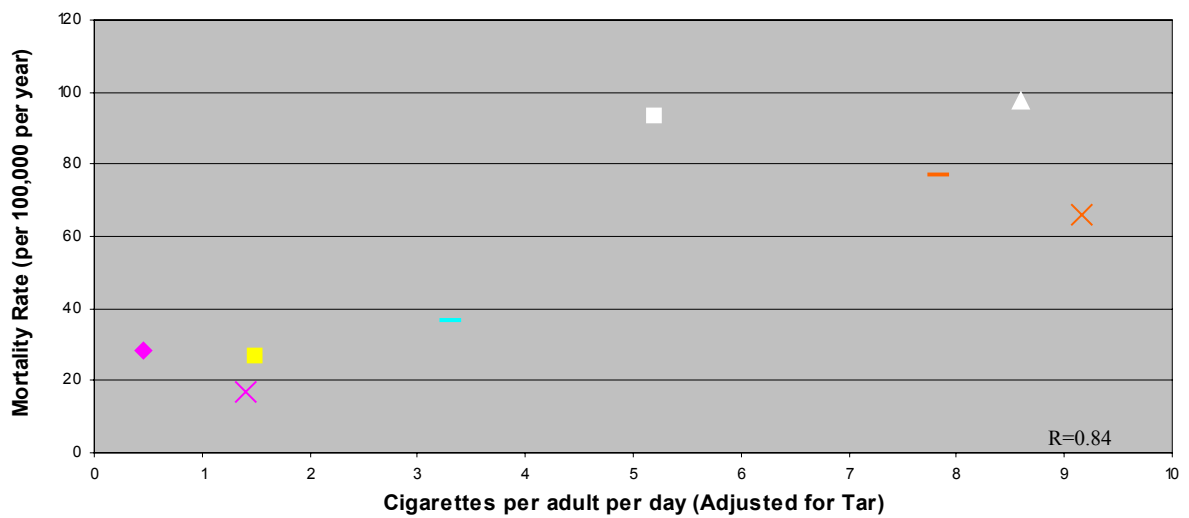
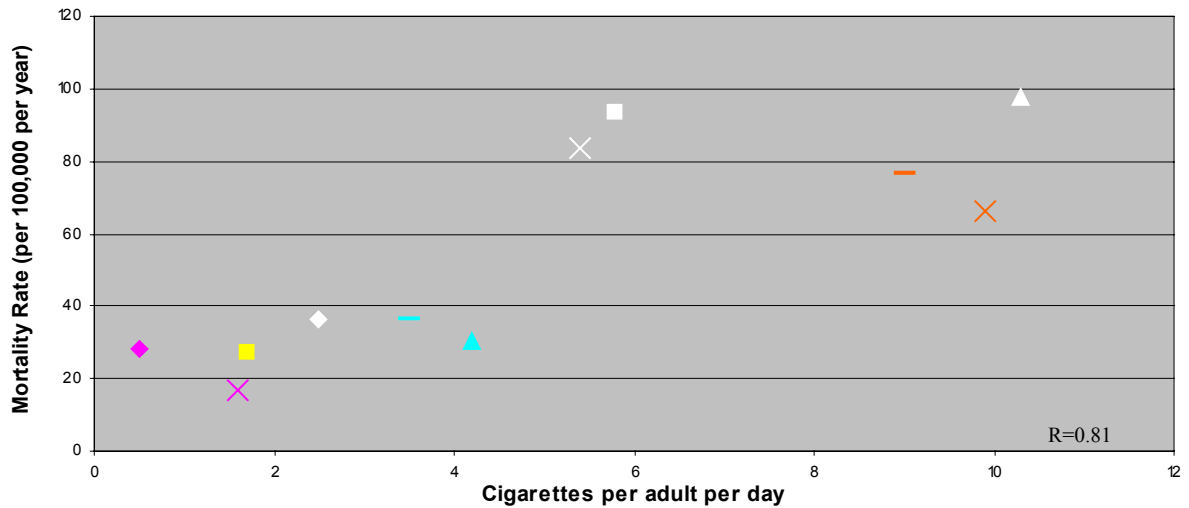
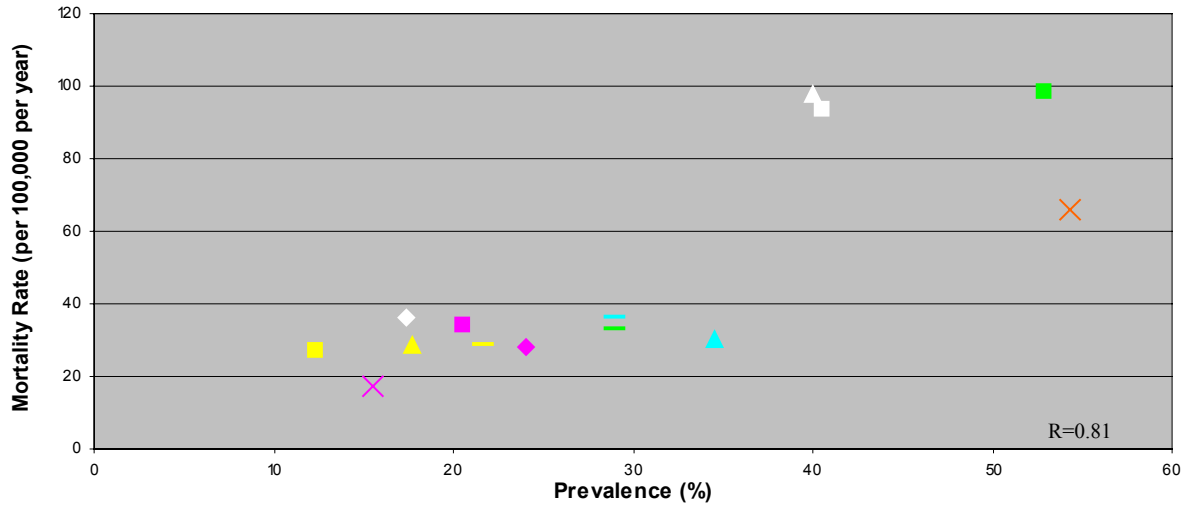
Table L6.14

Lung Cancer mortality rates (per 100,000 per year) and smoking habits 20 years earlier,
by country, showing Pearson correlation coefficients

	Females	Age 60-64	Period 1981 to 1985	
	Mortality rate	Prevalence	Consumption	Cons tar adj
Australia	52.8			
Austria	33.8	20.6		
Belgium	28.4	17.7		
Bulgaria	26.5			
Canada	76.8		9.0	7.8
Czechoslovakia	31.8			
Denmark	93.3	40.5	5.8	5.2
Finland	30.2			
France	17.1	15.5	1.6	1.4
Germany	28.5	21.6		
Greece	26.4			
Hungary	40.2			
Iceland	100.0			
Ireland	83.9		5.4	
Israel	30.3			
Italy	28.3	24.0	0.5	0.5
Japan	27.0	12.4	1.7	1.5
Netherlands	30.5	34.5	4.2	
New Zealand	66.0	54.3	9.9	9.2
Norway	33.2	29.0		
Poland	36.3	17.4	2.5	
Portugal	16.2			
Romania	26.9			
Spain	14.4			
Sweden	36.3	29.0	3.5	3.3
Switzerland	23.6			
UK	98.4	52.9		
USA	97.7	40.0	10.3	8.6
USSR	30.1			
Yugoslavia	28.6			
	N	14	11	8
	R	0.81	0.81	0.84

Figure L6.14

Scatter plots relating Lung Cancer mortality to smoking habits 20 years earlier
 Females Age 60-64 Period 1981 to 1985



- | | | | | | |
|--------------|---------------|-----------|------------|---------------|------------------|
| ◆ Australia | ◆ Austria | ▲ Belgium | × Bulgaria | — Canada | ◆ Czechoslovakia |
| □ Denmark | ▲ Finland | × France | — Germany | ▲ Greece | — Hungary |
| ▲ Iceland | × Ireland | — Israel | ◆ Italy | ▲ Netherlands | ▲ NewZealand |
| × NewZealand | — Norway | ◆ Poland | ◆ Portugal | ▲ Romania | ▲ Spain |
| — Sweden | — Switzerland | ■ UK | ▲ USA | × USSR | — Yugoslavia |

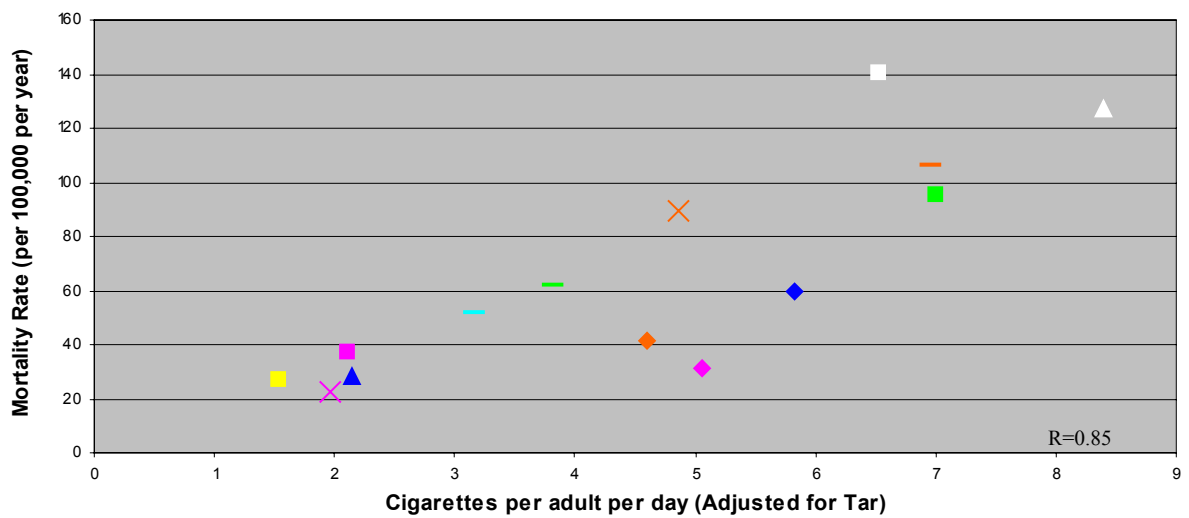
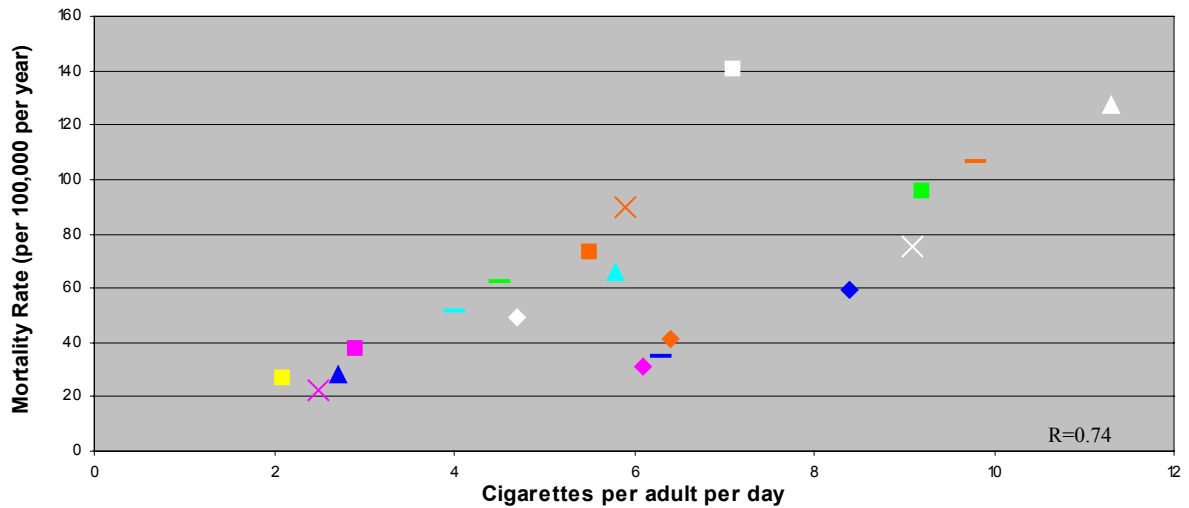
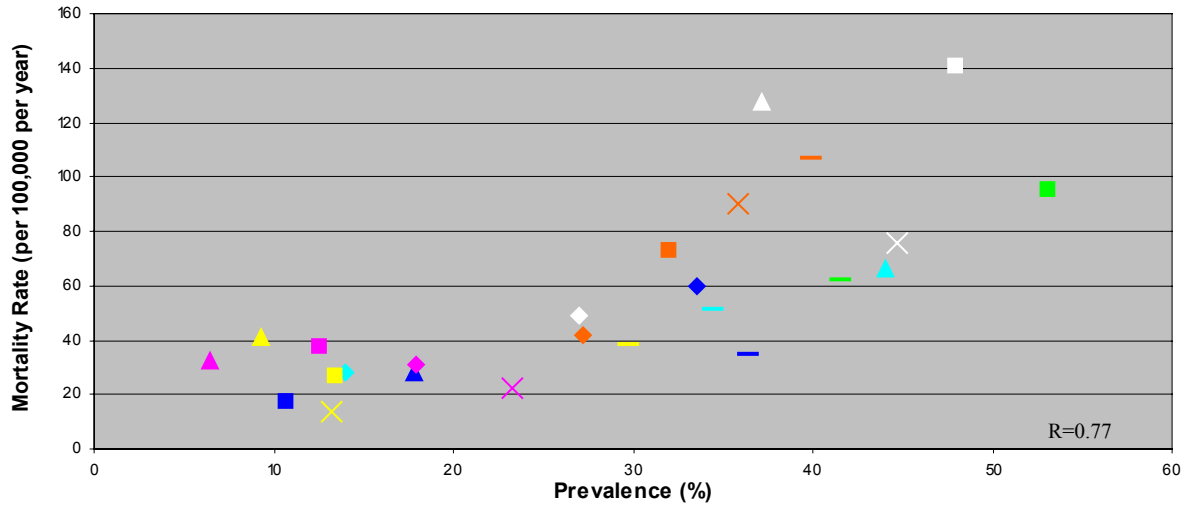
Table L6.15

Lung Cancer mortality rates (per 100,000 per year) and smoking habits 20 years earlier, by country, showing Pearson correlation coefficients

	Females	Age 60-64	Period 1991 to 1995	
	Mortality rate	Prevalence	Consumption	Cons tar adj
Australia	59.6	33.6	8.4	5.8
Austria	37.4	12.6	2.9	2.1
Belgium	41.0	9.3		
Bulgaria	26.6			
Canada	106.4	39.9	9.8	7.0
Czechoslovakia		16.7		
Denmark	140.6	48.0	7.1	6.5
Finland	28.1	17.8	2.7	2.1
France	22.6	23.3	2.5	2.0
Germany	38.3	29.7		
Greece	28.3	14.0		
Hungary	73.1	32.0	5.5	
Iceland	125.0			
Ireland	75.6	44.7	9.1	
Israel	34.5	36.4	6.3	
Italy	31.1	17.9	6.1	5.1
Japan	26.7	13.4	2.1	1.5
Netherlands	66.0	44.0	5.8	
New Zealand	89.7	35.9	5.9	4.9
Norway	62.1	41.5	4.5	3.8
Poland	49.0	27.0	4.7	
Portugal	17.4	10.7		
Romania	32.1	6.4		
Spain	13.6	13.2		
Sweden	51.5	34.4	4.0	3.2
Switzerland	41.5	27.2	6.4	4.6
UK	95.5	53.1	9.2	7.0
USA	127.6	37.2	11.3	8.4
USSR		9.7	1.6	
Yugoslavia		14.9	2.8	
	N	25	19	14
	R	0.77	0.74	0.85

Figure L6.15

Scatter plots relating Lung Cancer mortality to smoking habits 20 years earlier
 Females Age 60-64 Period 1991 to 1995



- | | | | | | |
|--------------|---------------|-----------|------------|---------------|------------------|
| ◆ Australia | ◆ Austria | ▲ Belgium | × Bulgaria | — Canada | ◆ Czechoslovakia |
| □ Denmark | ▲ Finland | × France | — Germany | — Hungary | — |
| ▲ Iceland | × Ireland | — Israel | ◆ Italy | — Netherlands | — |
| × NewZealand | — Norway | ◆ Poland | ◆ Portugal | ▲ Romania | — |
| — Sweden | ◆ Switzerland | ◆ UK | — | × USSR | — |
| | | | | — Yugoslavia | |

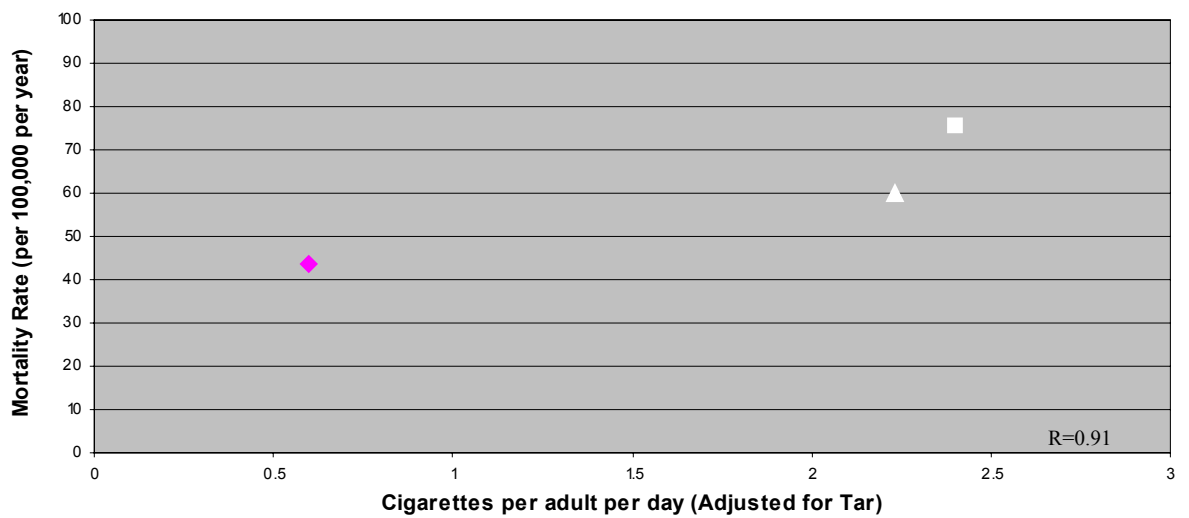
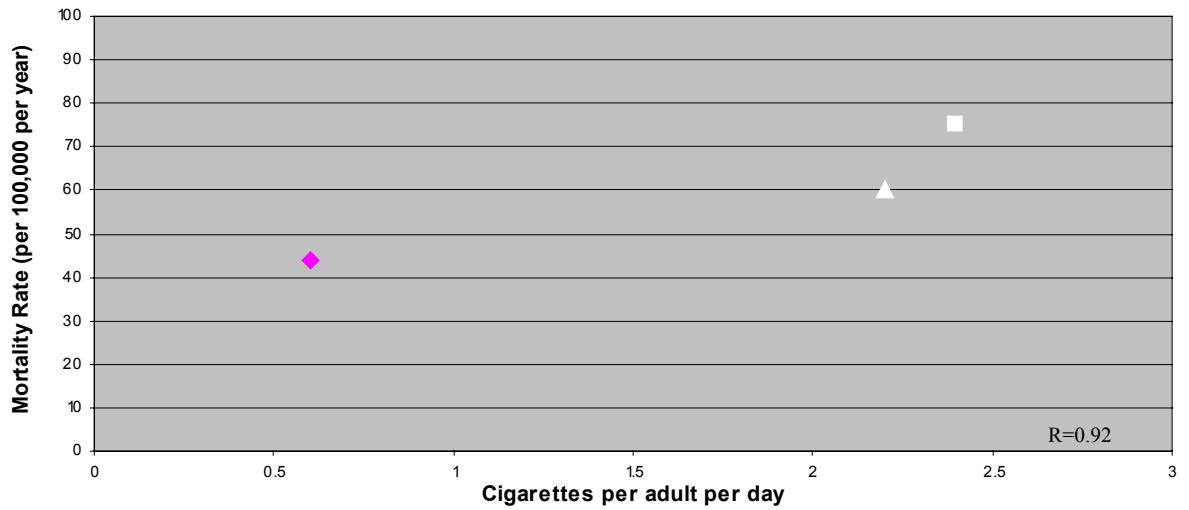
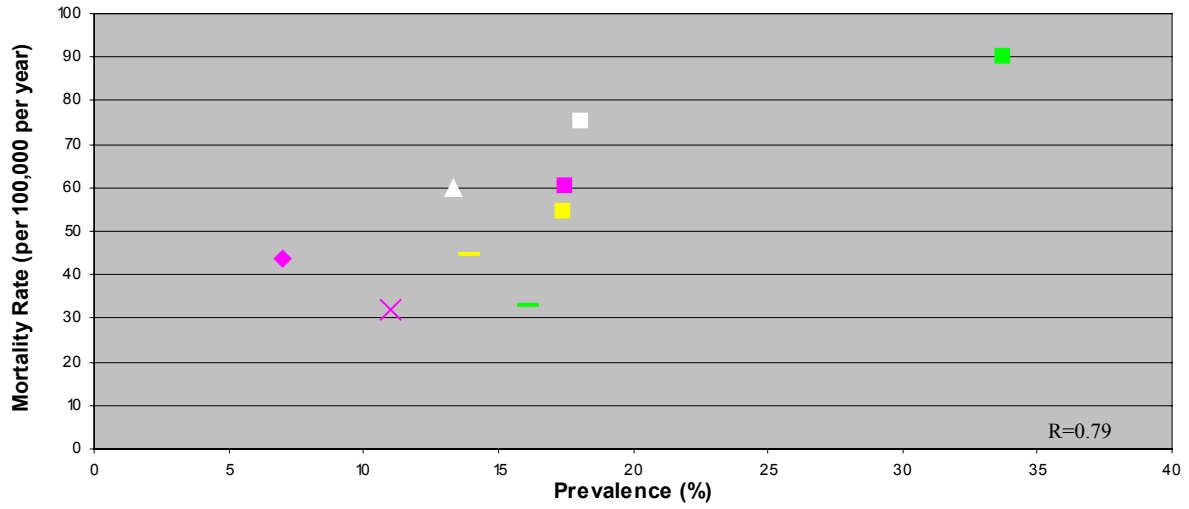
Table L6.16

Lung Cancer mortality rates (per 100,000 per year) and smoking habits 20 years earlier, by country, showing Pearson correlation coefficients

	Females	Age 75-79	Period 1971 to 1975	
	Mortality rate	Prevalence	Consumption	Cons tar adj
Australia	43.5			
Austria	60.3	17.5		
Belgium	46.9			
Bulgaria	52.7			
Canada	52.4			
Czechoslovakia	58.0			
Denmark	75.2	18.1	2.4	2.4
Finland	44.3			
France	32.0	11.0		
Germany	44.5	13.9		
Greece	43.0			
Hungary	81.3			
Iceland	45.0			
Ireland	75.3			
Israel	64.4			
Italy	43.9	7.0	0.6	0.6
Japan	54.7	17.4		
Netherlands	34.6			
New Zealand	68.4			
Norway	32.7	16.1		
Poland	44.8			
Portugal	25.0			
Romania	36.7			
Spain	32.9			
Sweden	55.2			
Switzerland	37.3			
UK	90.0	33.7		
USA	60.0	13.3	2.2	2.2
USSR				
Yugoslavia	47.0			
	N	9	3	3
	R	0.79	0.92	0.91

Figure L6.16

Scatter plots relating Lung Cancer mortality to smoking habits 20 years earlier
 Females Age 75-79 Period 1971 to 1975



- | | | | | | |
|--------------|---------------|-----------|------------|---------------|------------------|
| ◆ Australia | ◆ Austria | ▲ Belgium | ✕ Bulgaria | — Canada | ◆ Czechoslovakia |
| ■ Denmark | ▲ Finland | ✕ France | — Germany | — Greece | ■ Hungary |
| ▲ Iceland | ✕ Ireland | — Israel | ◆ Italy | ▲ Netherlands | ▲ NewZealand |
| ✕ NewZealand | — Norway | ◆ Poland | ■ Portugal | ▲ Romania | ✕ Spain |
| — Sweden | ◆ Switzerland | ■ UK | ▲ USA | ✕ USSR | — Yugoslavia |

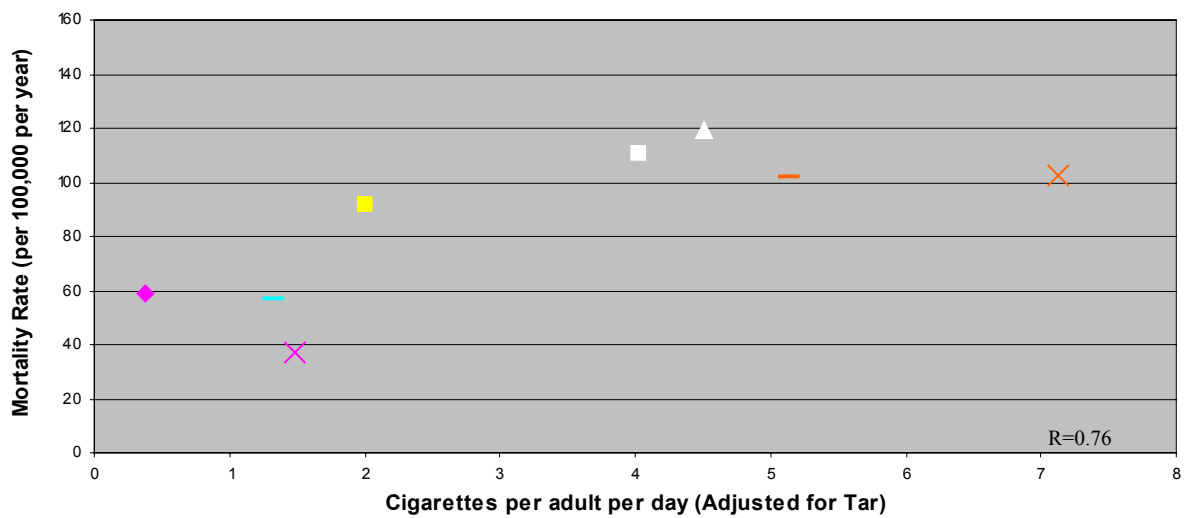
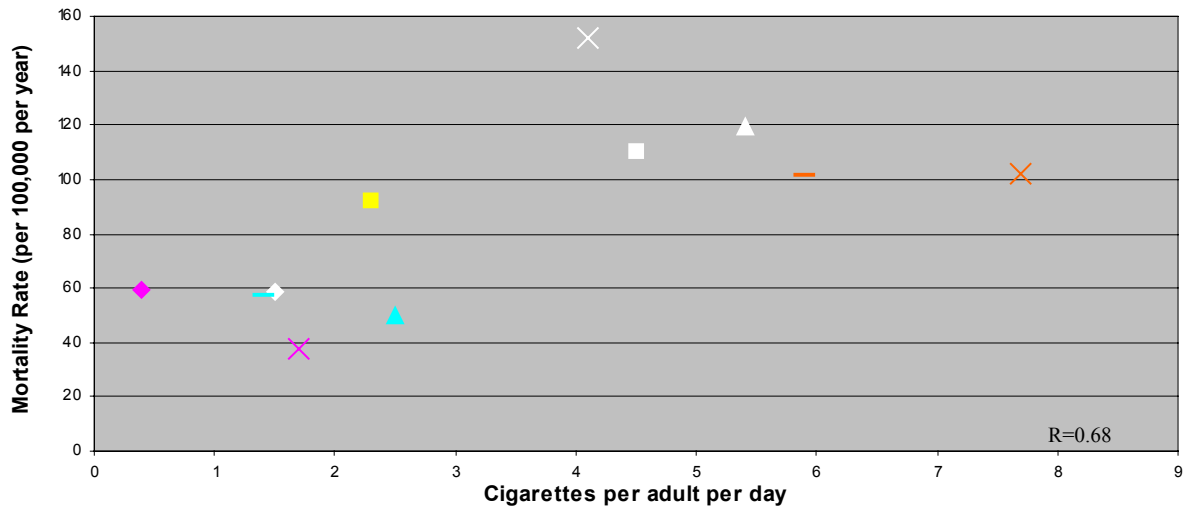
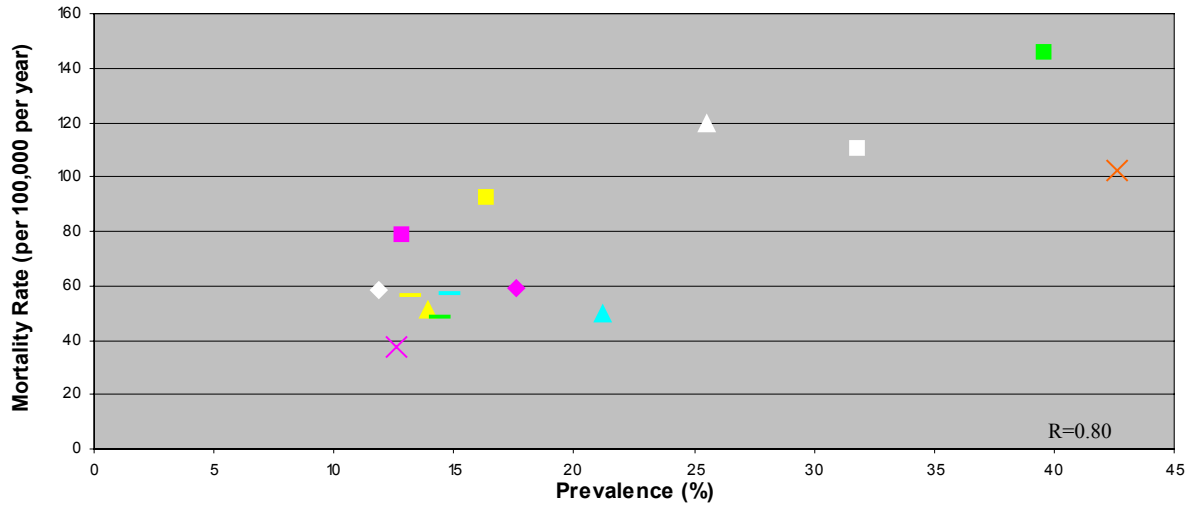
Table L6.17

Lung Cancer mortality rates (per 100,000 per year) and smoking habits 20 years earlier, by country, showing Pearson correlation coefficients

	Females	Age 75-79	Period 1981 to 1985	
	Mortality rate	Prevalence	Consumption	Cons tar adj
Australia	80.2			
Austria	78.5	12.9		
Belgium	51.2	13.9		
Bulgaria	54.2			
Canada	101.5		5.9	5.1
Czechoslovakia	56.0			
Denmark	110.2	31.8	4.5	4.0
Finland	49.3			
France	37.3	12.6	1.7	1.5
Germany	56.5	13.2		
Greece	51.3			
Hungary	89.3			
Iceland	132.8			
Ireland	151.7		4.1	
Israel	88.9			
Italy	59.2	17.6	0.4	0.4
Japan	92.0	16.4	2.3	2.0
Netherlands	50.0	21.2	2.5	
New Zealand	102.4	42.6	7.7	7.1
Norway	48.2	14.4		
Poland	58.4	11.9	1.5	
Portugal	29.3			
Romania	32.3			
Spain	37.1			
Sweden	57.1	14.8	1.4	1.3
Switzerland	42.1			
UK	145.4	39.6		
USA	119.4	25.5	5.4	4.5
USSR	49.3			
Yugoslavia	50.4			
	N	14	11	8
	R	0.80	0.68	0.76

Figure L6.17

Scatter plots relating Lung Cancer mortality to smoking habits 20 years earlier
 Females Age 75-79 Period 1981 to 1985



- | | | | | | |
|--------------|---------------|-----------|------------|-----------|------------------|
| ◆ Australia | ■ Austria | ▲ Belgium | × Bulgaria | — Canada | ◆ Czechoslovakia |
| □ Denmark | ▲ Finland | ▲ Germany | — France | — Hungary | ▲ Netherlands |
| ▲ Iceland | × Ireland | — Israel | ◆ Italy | ▲ Japan | ▲ NewZealand |
| × NewZealand | — Norway | ◆ Poland | ■ Portugal | ▲ Romania | ▲ Spain |
| — Sweden | — Switzerland | ■ UK | ▲ USA | × USSR | — Yugoslavia |

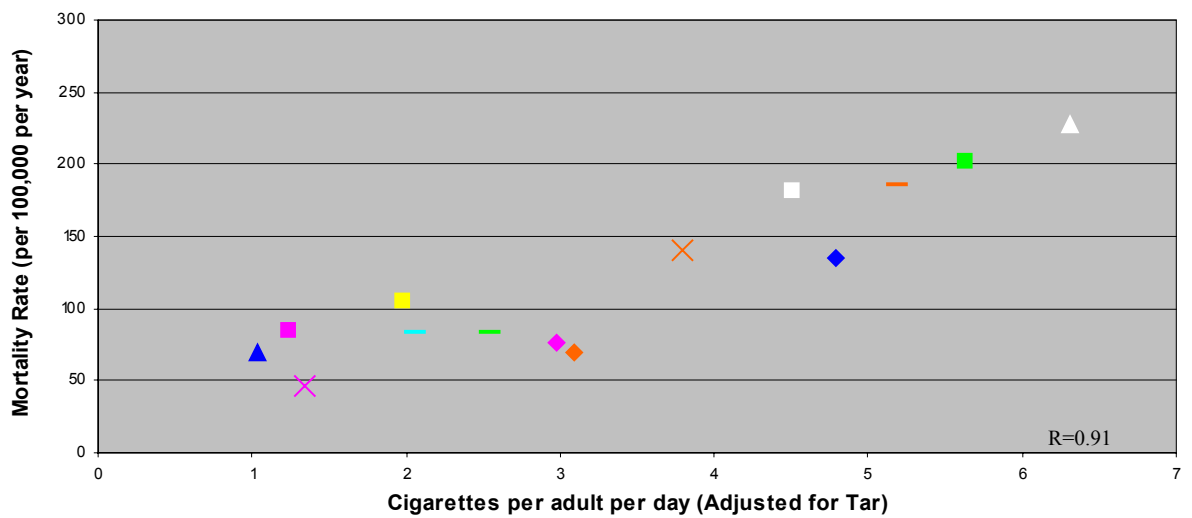
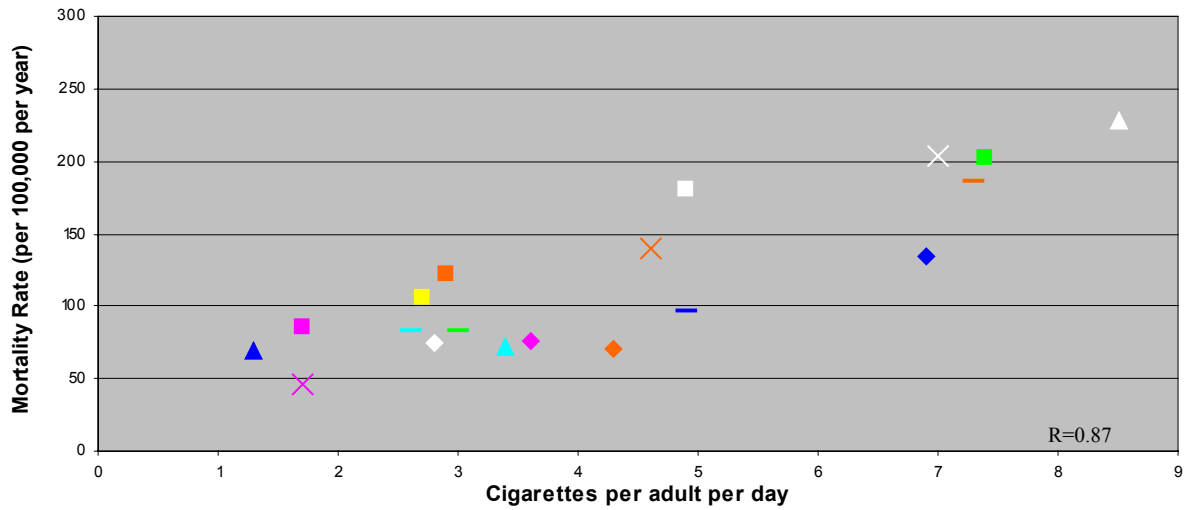
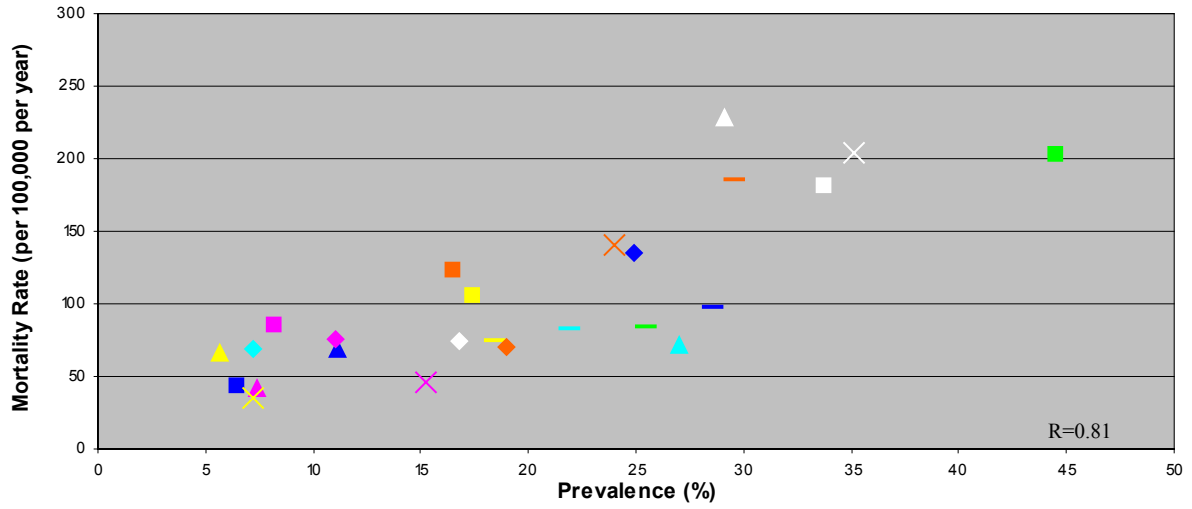
Table L6.18

Lung Cancer mortality rates (per 100,000 per year) and smoking habits 20 years earlier, by country, showing Pearson correlation coefficients

	Females	Age 75-79	Period 1991 to 1995	
	Mortality rate	Prevalence	Consumption	Cons tar adj
Australia	134.5	24.9	6.9	4.8
Austria	84.9	8.2	1.7	1.2
Belgium	66.5	5.7		
Bulgaria	54.9			
Canada	185.8	29.6	7.3	5.2
Czechoslovakia		8.9		
Denmark	181.0	33.8	4.9	4.5
Finland	69.1	11.1	1.3	1.0
France	46.1	15.2	1.7	1.3
Germany	74.2	18.4		
Greece	68.5	7.2		
Hungary	122.8	16.5	2.9	
Iceland	259.7			
Ireland	203.4	35.1	7.0	
Israel	96.8	28.6	4.9	
Italy	76.2	11.0	3.6	3.0
Japan	105.6	17.4	2.7	2.0
Netherlands	72.0	27.0	3.4	
New Zealand	140.3	24.0	4.6	3.8
Norway	83.4	25.5	3.0	2.5
Poland	74.0	16.8	2.8	
Portugal	43.5	6.5		
Romania	41.9	7.4		
Spain	34.7	7.2		
Sweden	82.6	21.9	2.6	2.1
Switzerland	70.1	19.0	4.3	3.1
UK	202.1	44.5	7.4	5.6
USA	228.2	29.1	8.5	6.3
USSR		7.2	0.8	
Yugoslavia		8.1	1.5	
	N	25	19	14
	R	0.81	0.87	0.91

Figure L6.18

Scatter plots relating Lung Cancer mortality to smoking habits 20 years earlier
 Females Age 75-79 Period 1991 to 1995



- | | | | | | |
|--------------|---------------|-----------|------------|---------------|------------------|
| ◆ Australia | ◆ Austria | ▲ Belgium | ✕ Bulgaria | — Canada | ◆ Czechoslovakia |
| □ Denmark | ▲ Finland | ✕ France | — Germany | ▲ Greece | ■ Hungary |
| ▲ Iceland | ✕ Ireland | — Israel | ◆ Italy | ▲ Netherlands | ▲ NewZealand |
| ✕ NewZealand | — Norway | ◆ Poland | ■ Portugal | ▲ Romania | ▲ Spain |
| — Sweden | ◆ Switzerland | ■ UK | ▲ USA | ✕ USSR | — Yugoslavia |

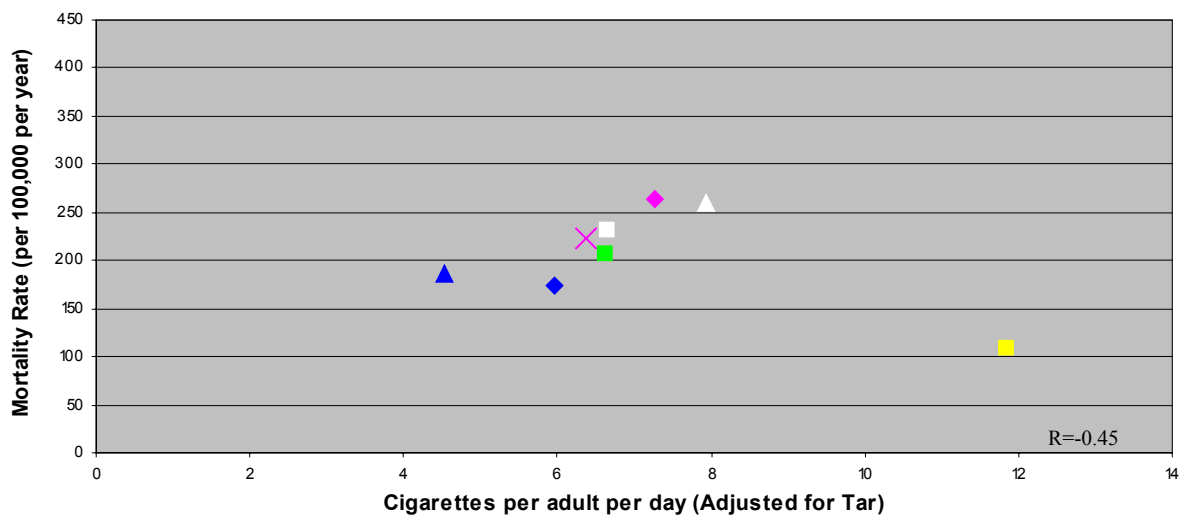
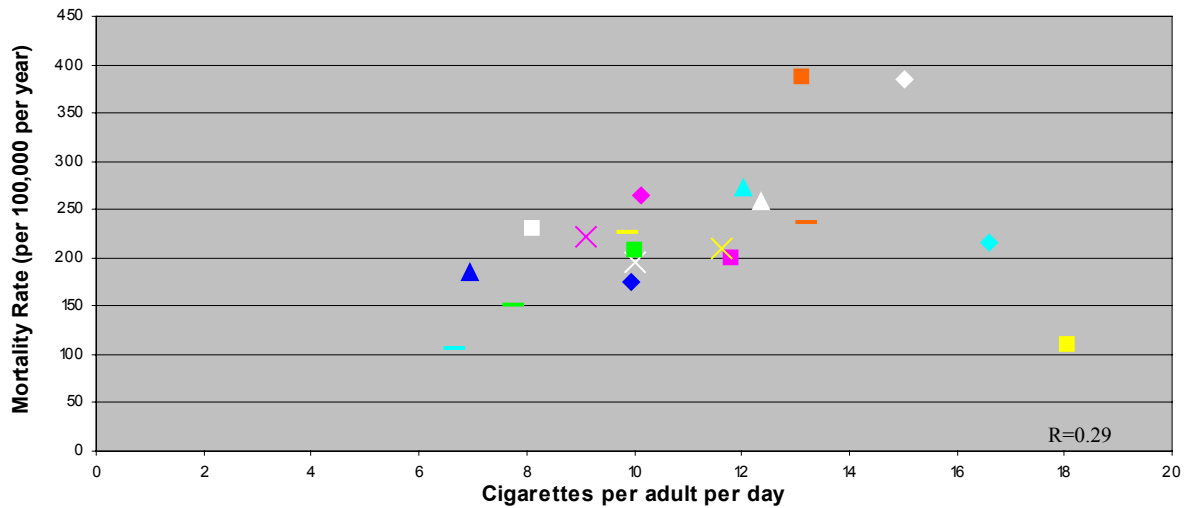
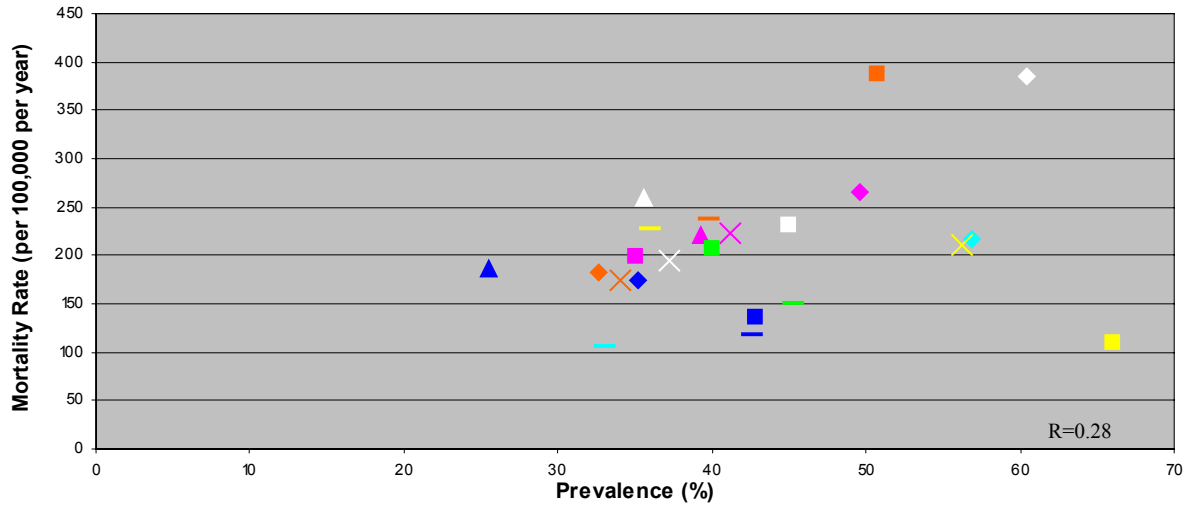
Table L6.19

Lung Cancer mortality rates (per 100,000 per year) and smoking habits 15 to 5 years earlier, by country, showing Pearson correlation coefficients

	Males	Age 60-64	Period 1991 to 1995	
	Mortality rate	Prevalence	Consumption	Cons tar adj
Australia	174.8	35.1	9.9	6.0
Austria	199.1	35.0	11.8	
Belgium	302.8			
Bulgaria	210.4			
Canada	236.5	39.8	13.2	
Czechoslovakia		35.0		
Denmark	230.5	45.0	8.1	6.7
Finland	186.2	25.5	6.9	4.5
France	222.2	41.2	9.1	6.4
Germany	226.9	35.9	9.9	
Greece	216.3	56.9	16.6	
Hungary	387.8	50.8	13.1	
Iceland	85.9			
Ireland	195.4	37.2	10.0	
Israel	117.8	42.5		
Italy	264.7	49.6	10.1	7.3
Japan	109.2	66.1	18.1	11.8
Netherlands	272.5		12.0	
New Zealand	173.8	34.1		
Norway	150.3	45.3	7.7	
Poland	384.1	60.4	15.0	
Portugal	134.9	42.8		
Romania	221.4	39.3		
Spain	210.1	56.2	11.6	
Sweden	106.3	33.0	6.6	
Switzerland	183.2	32.7		
UK	207.2	40.1	10.0	6.6
USA	258.9	35.6	12.4	7.9
USSR		48.7	10.3	
Yugoslavia		49.6	13.2	
	N	23	19	8
	R	0.28	0.29	-0.45

Figure L6.19

Scatter plots relating Lung Cancer mortality to smoking habits 15 to 5 years earlier
 Males Age 60-64 Period 1991 to 1995



- | | | | | | |
|--------------|---------------|-----------|------------|-----------|------------------|
| ◆ Australia | ◆ Austria | ◆ Belgium | ◆ Bulgaria | ◆ Canada | ◆ Czechoslovakia |
| □ Denmark | ▲ Finland | ◆ France | ◆ Germany | ◆ Greece | ◆ Hungary |
| ▲ Iceland | × Ireland | ◆ Israel | ◆ Italy | ◆ Japan | ◆ Netherlands |
| × NewZealand | — Norway | ◆ Poland | ◆ Portugal | ◆ Romania | ◆ Spain |
| — Sweden | ◆ Switzerland | ◆ UK | ◆ USA | ◆ USSR | ◆ Yugoslavia |

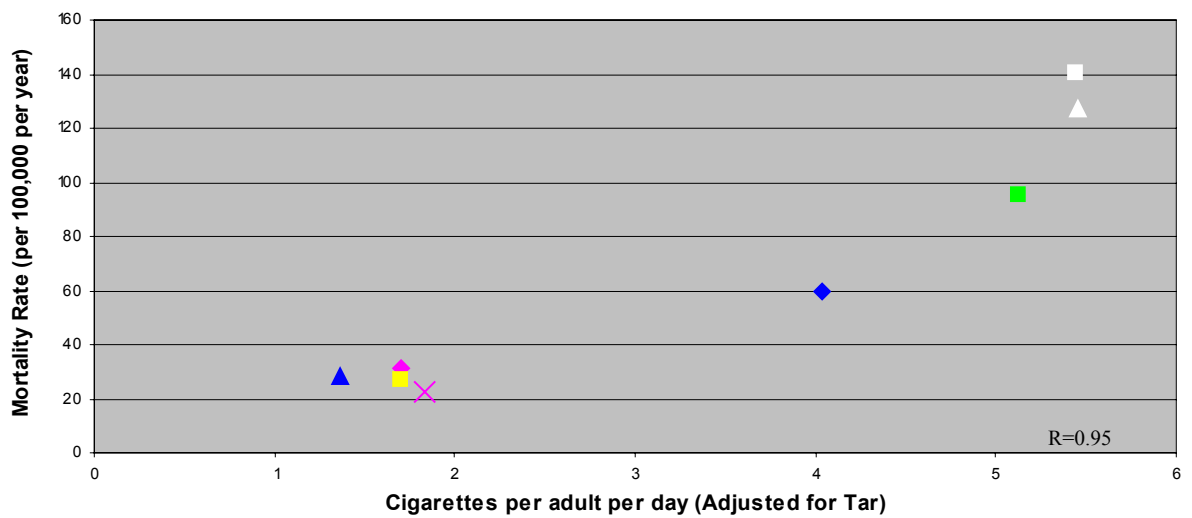
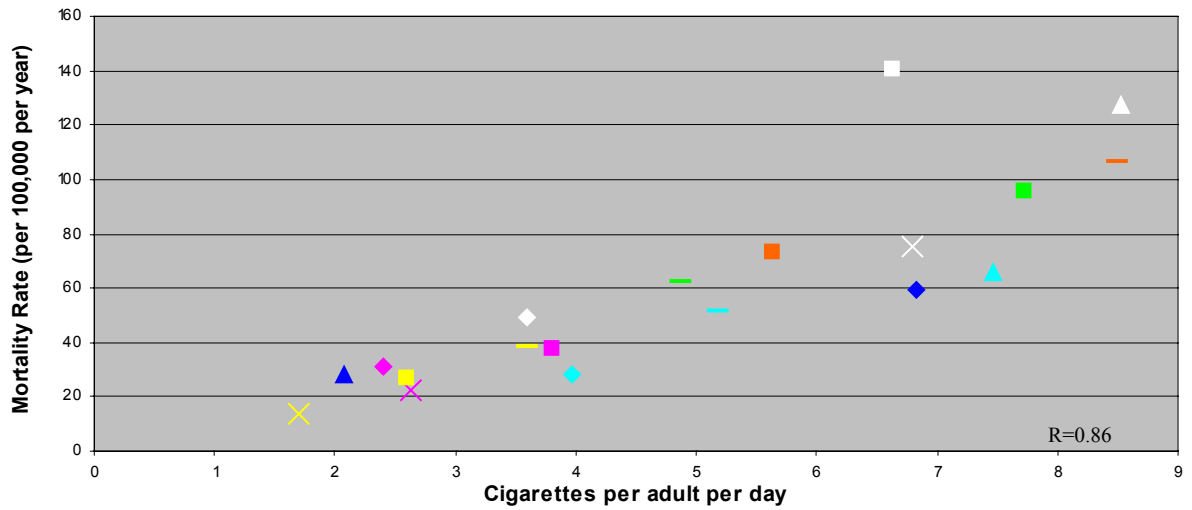
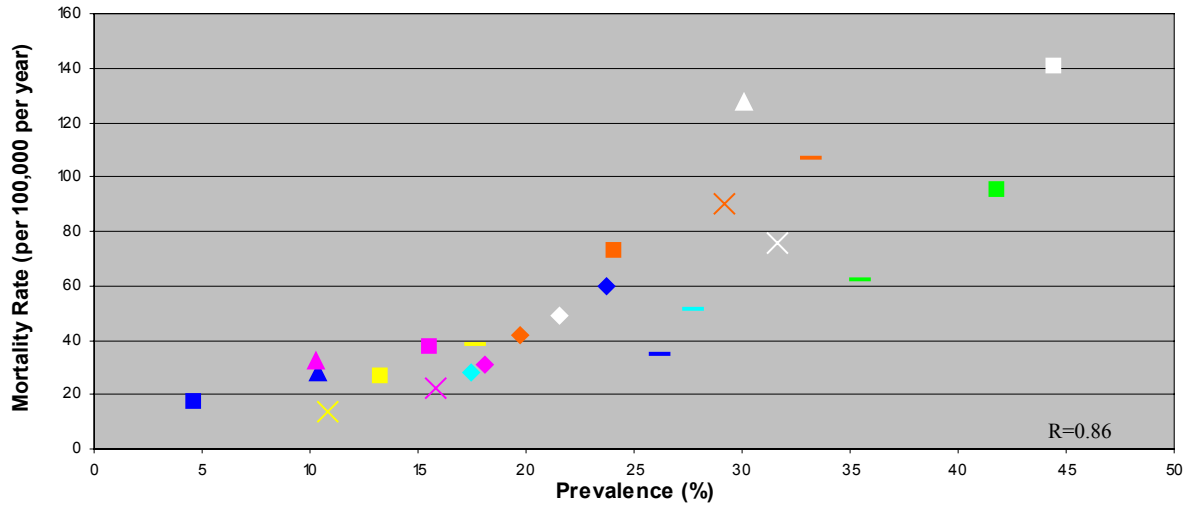
Table L6.20

Lung Cancer mortality rates (per 100,000 per year) and smoking habits 15 to 5 years earlier, by country, showing Pearson correlation coefficients

	Females	Age 60-64	Period 1991 to 1995	
	Mortality rate	Prevalence	Consumption	Cons tar adj
Australia	59.6	23.7	6.8	4.0
Austria	37.4	15.6	3.8	
Belgium	41.0			
Bulgaria	26.6			
Canada	106.4	33.2	8.5	
Czechoslovakia		20.6		
Denmark	140.6	44.4	6.6	5.4
Finland	28.1	10.3	2.1	1.4
France	22.6	15.8	2.6	1.8
Germany	38.3	17.6	3.6	
Greece	28.3	17.5	4.0	
Hungary	73.1	24.1	5.6	
Iceland	125.0			
Ireland	75.6	31.7	6.8	
Israel	34.5	26.2		
Italy	31.1	18.1	2.4	1.7
Japan	26.7	13.3	2.6	1.7
Netherlands	66.0		7.5	
New Zealand	89.7	29.2		
Norway	62.1	35.4	4.9	
Poland	49.0	21.5	3.6	
Portugal	17.4	4.6		
Romania	32.1	10.2		
Spain	13.6	10.8	1.7	
Sweden	51.5	27.8	5.2	
Switzerland	41.5	19.7		
UK	95.5	41.8	7.7	5.1
USA	127.6	30.1	8.5	5.5
USSR		8.3	0.7	
Yugoslavia		20.0	3.5	
N		23	19	8
R		0.86	0.86	0.95

Figure L6.20

Scatter plots relating Lung Cancer mortality to smoking habits 15 to 5 years earlier
 Females Age 60-64 Period 1991 to 1995



- | | | | | | |
|---------------|-----------|------------|--------------|---------------|------------------|
| ◆ Australia | ◆ Austria | ◆ Belgium | ◆ Bulgaria | ◆ Canada | ◆ Czechoslovakia |
| ■ Denmark | ▲ Finland | ◆ France | ◆ Germany | ◆ Greece | ◆ Hungary |
| ▲ Iceland | × Ireland | ◆ Italy | ◆ Japan | ◆ Netherlands | ◆ New Zealand |
| ◆ Norway | ◆ Poland | ◆ Portugal | ◆ Romania | ◆ Spain | ◆ Sweden |
| ◆ Switzerland | ◆ UK | ◆ USSR | ◆ Yugoslavia | | |

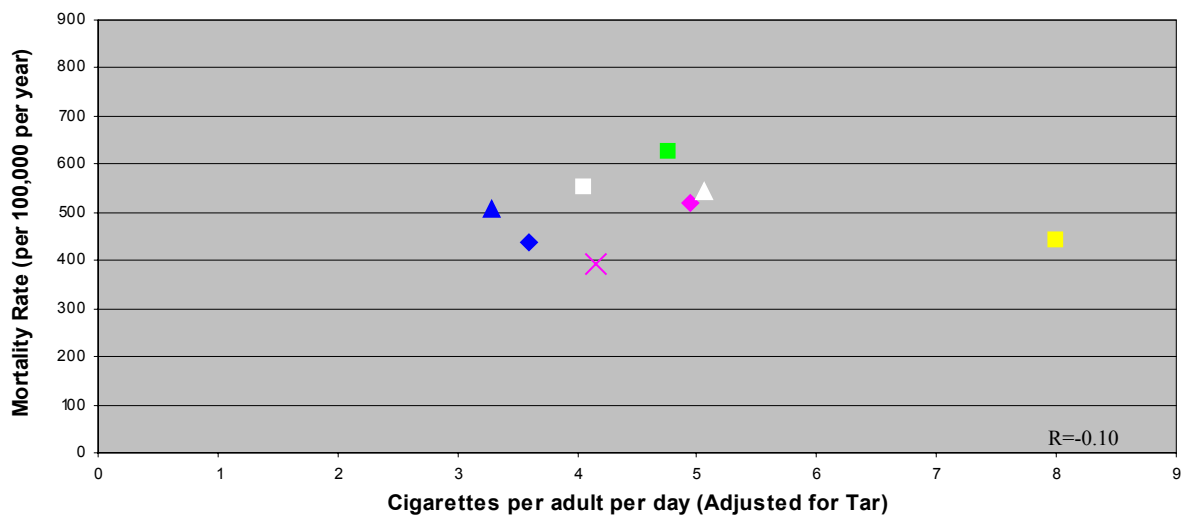
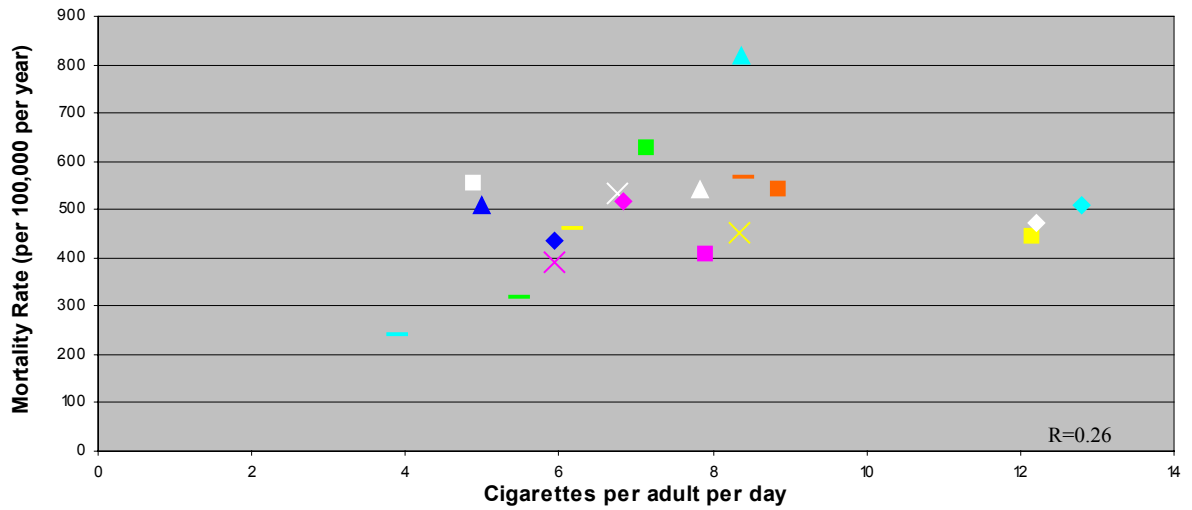
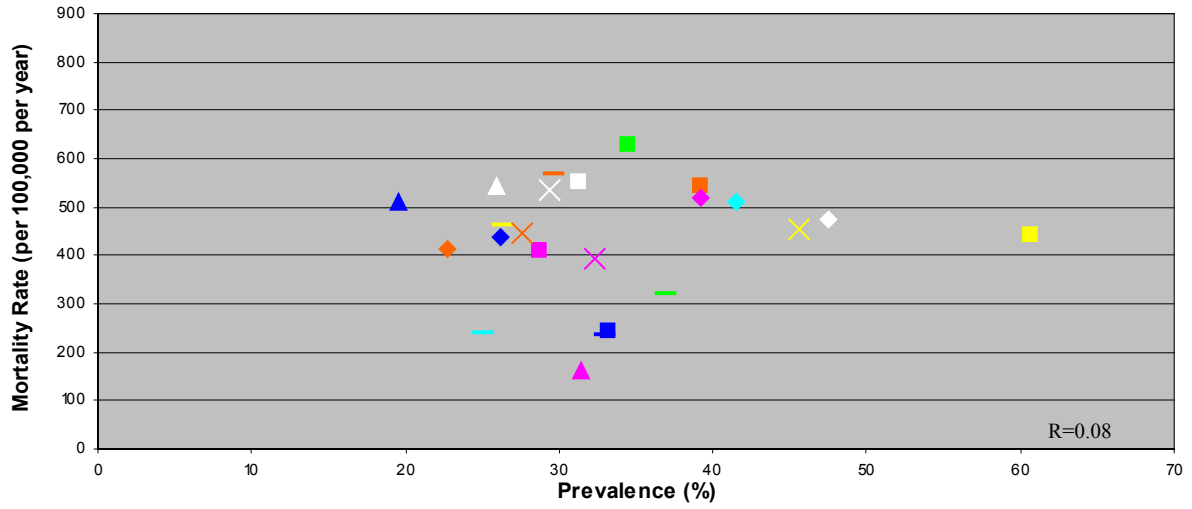
Table L6.21

Lung Cancer mortality rates (per 100,000 per year) and smoking habits 15 to 5 years earlier, by country, showing Pearson correlation coefficients

	Males	Age 75-79	Period 1991 to 1995	
	Mortality rate	Prevalence	Consumption	Cons tar adj
Australia	437.7	26.1	5.9	3.6
Austria	408.1	28.7	7.9	
Belgium	802.4			
Bulgaria	203.2			
Canada	566.5	29.6	8.4	
Czechoslovakia		25.8		
Denmark	553.2	31.3	4.9	4.1
Finland	508.9	19.5	5.0	3.3
France	392.8	32.3	5.9	4.2
Germany	461.6	26.3	6.2	
Greece	509.7	41.6	12.8	
Hungary	542.2	39.2	8.9	
Iceland	310.9			
Ireland	533.6	29.4	6.8	
Israel	234.4	32.9		
Italy	517.9	39.2	6.8	4.9
Japan	443.6	60.6	12.2	8.0
Netherlands	820.1		8.4	
New Zealand	445.8	27.6		
Norway	318.8	36.9	5.5	
Poland	473.2	47.5	12.2	
Portugal	241.8	33.2		
Romania	163.1	31.4		
Spain	454.0	45.6	8.3	
Sweden	238.8	25.1	3.9	
Switzerland	412.3	22.8		
UK	627.9	34.5	7.1	4.8
USA	543.1	26.0	7.8	5.1
USSR		37.8	6.9	
Yugoslavia		38.5	8.9	
N		23	19	8
R		0.08	0.26	-0.10

Figure L6.21

Scatter plots relating Lung Cancer mortality to smoking habits 15 to 5 years earlier
 Males Age 75-79 Period 1991 to 1995



- | | | | | | |
|---------------|-----------|------------|------------|---------------|------------------|
| ◆ Australia | ◆ Austria | ▲ Belgium | × Bulgaria | — Canada | ◆ Czechoslovakia |
| ■ Denmark | ▲ Finland | × France | — Germany | ◆ Greece | ■ Hungary |
| ▲ Iceland | × Ireland | — Israel | ◆ Italy | ▲ Netherlands | ▲ New Zealand |
| — Norway | ◆ Poland | ◆ Portugal | ◆ Romania | × Spain | — Sweden |
| ◆ Switzerland | ■ UK | ▲ USA | × USSR | ◆ Yugoslavia | |

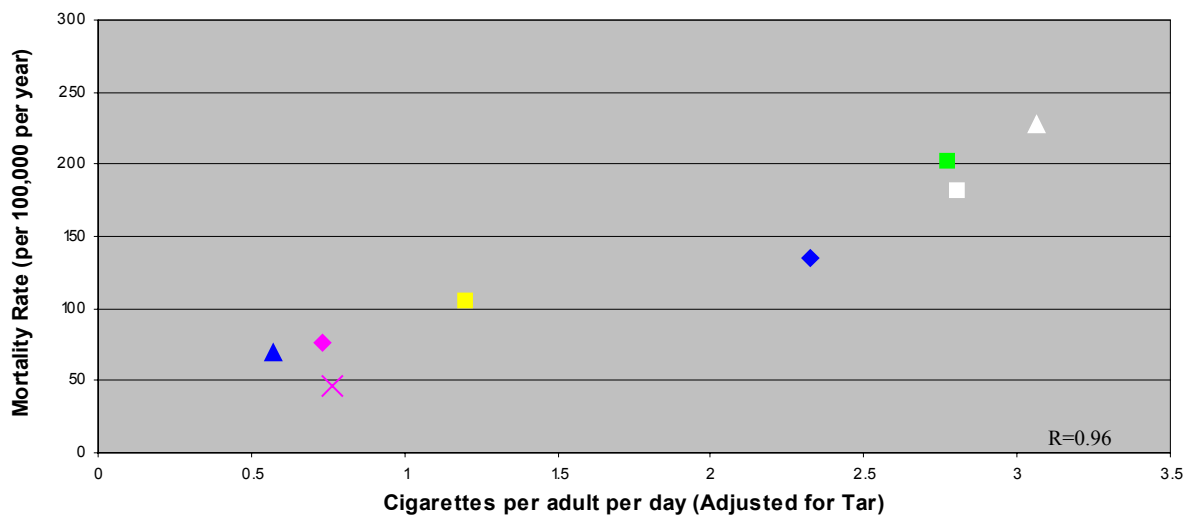
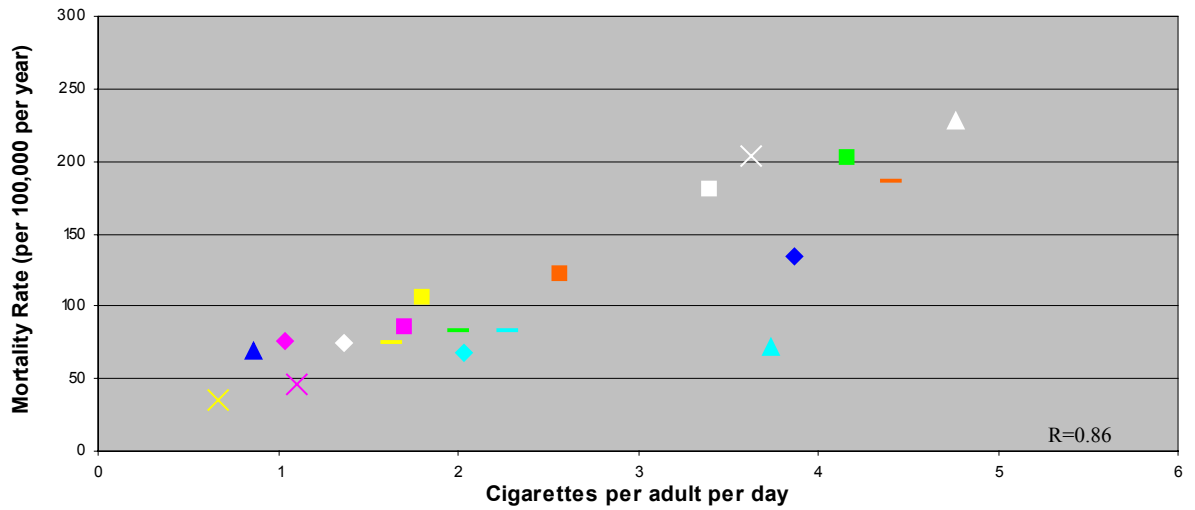
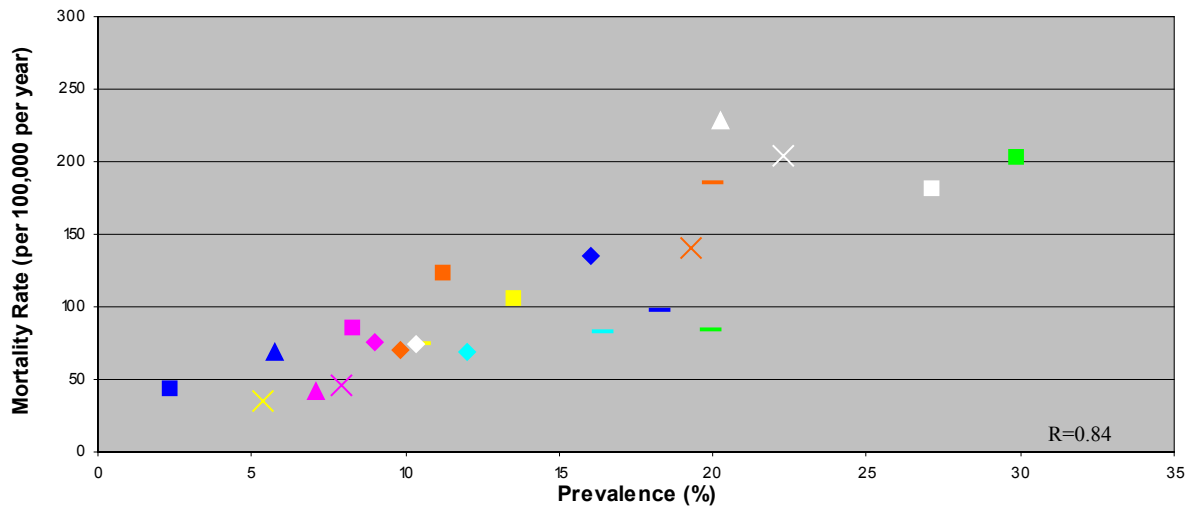
Table L6.22

Lung Cancer mortality rates (per 100,000 per year) and smoking habits 15 to 5 years earlier, by country, showing Pearson correlation coefficients

	Females	Age 75-79	Period 1991 to 1995	
	Mortality rate	Prevalence	Consumption	Cons tar adj
Australia	134.5	16.0	3.9	2.3
Austria	84.9	8.3	1.7	
Belgium	66.5			
Bulgaria	54.9			
Canada	185.8	20.0	4.4	
Czechoslovakia		10.1		
Denmark	181.0	27.2	3.4	2.8
Finland	69.1	5.7	0.9	0.6
France	46.1	7.9	1.1	0.8
Germany	74.2	10.5	1.6	
Greece	68.5	12.0	2.0	
Hungary	122.8	11.3	2.6	
Iceland	259.7			
Ireland	203.4	22.3	3.6	
Israel	96.8	18.3		
Italy	76.2	9.0	1.0	0.7
Japan	105.6	13.5	1.8	1.2
Netherlands	72.0		3.7	
New Zealand	140.3	19.3		
Norway	83.4	19.9	2.0	
Poland	74.0	10.3	1.4	
Portugal	43.5	2.3		
Romania	41.9	7.1		
Spain	34.7	5.4	0.7	
Sweden	82.6	16.4	2.3	
Switzerland	70.1	9.9		
UK	202.1	29.9	4.2	2.8
USA	228.2	20.2	4.8	3.1
USSR		5.7	0.5	
Yugoslavia		9.9	1.5	
	N	23	19	8
	R	0.84	0.86	0.96

Figure L6.22

Scatter plots relating Lung Cancer mortality to smoking habits 15 to 5 years earlier
 Females Age 75-79 Period 1991 to 1995



- | | | | | | |
|---------------|---------------|-----------|------------|-----------|------------------|
| ◆ Australia | ◆ Austria | ▲ Belgium | × Bulgaria | — Canada | ◆ Czechoslovakia |
| ■ Denmark | ▲ Finland | × France | — Germany | ◆ Hungary | ◆ Netherlands |
| ▲ Iceland | × Ireland | — Israel | ◆ Italy | ▲ Japan | ▲ Netherlands |
| × New Zealand | — Norway | ◆ Poland | ■ Portugal | ▲ Romania | × Spain |
| — Sweden | ◆ Switzerland | ■ UK | ▲ USA | × USSR | — Yugoslavia |

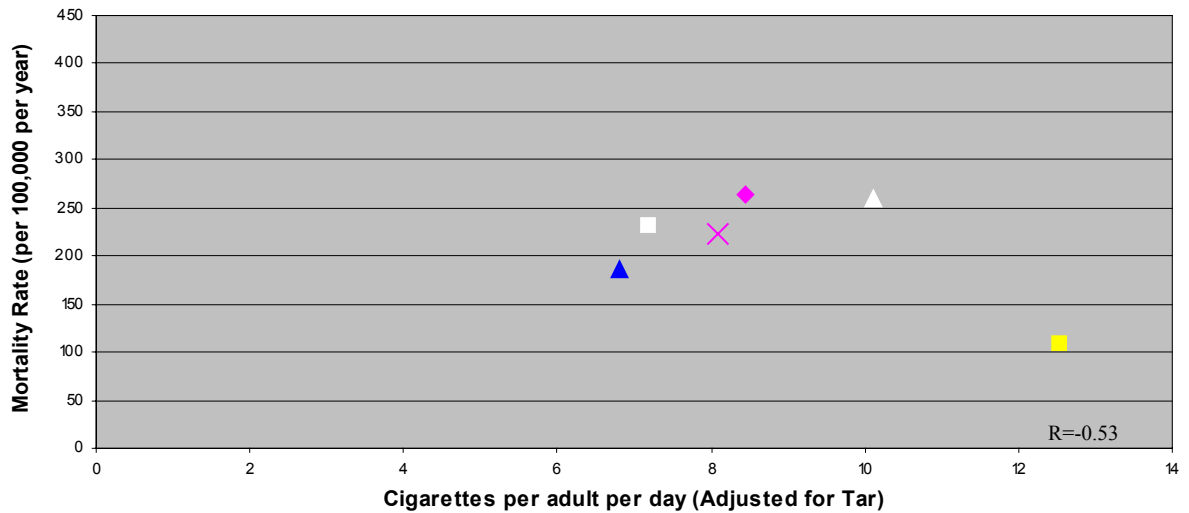
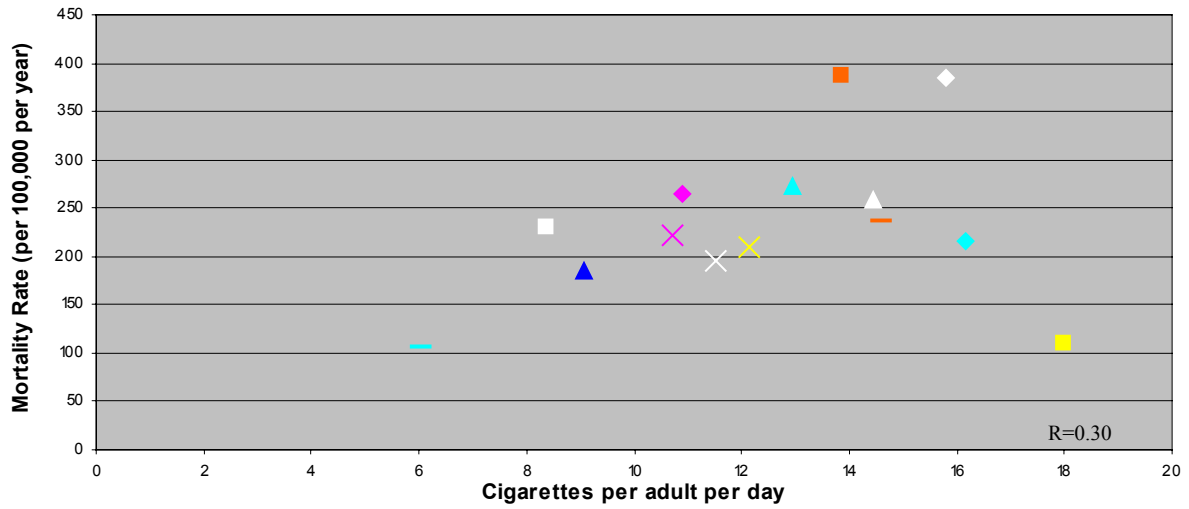
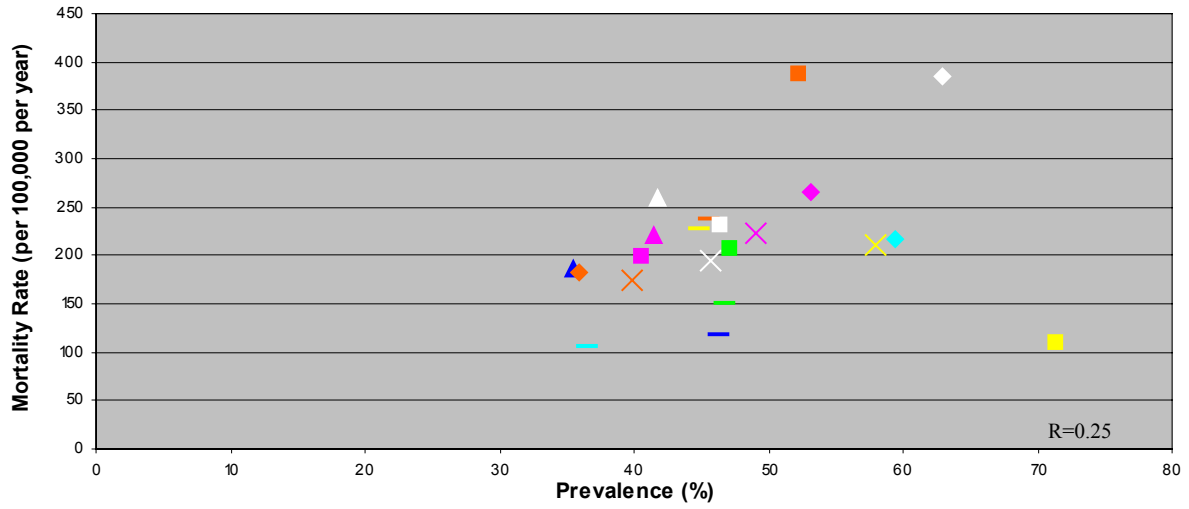
Table L6.23

Lung Cancer mortality rates (per 100,000 per year) and smoking habits 25 to 5 years earlier, by country, showing Pearson correlation coefficients

	Males	Age 60-64	Period 1991 to 1995	
	Mortality rate	Prevalence	Consumption	Cons tar adj
Australia	174.8			
Austria	199.1	40.6		
Belgium	302.8			
Bulgaria	210.4			
Canada	236.5	45.6	14.6	
Czechoslovakia		43.5		
Denmark	230.5	46.4	8.4	7.2
Finland	186.2	35.4	9.1	6.8
France	222.2	49.0	10.7	8.1
Germany	226.9	44.8		
Greece	216.3	59.4	16.2	
Hungary	387.8	52.2	13.9	
Iceland	85.9			
Ireland	195.4	45.7	11.5	
Israel	117.8	46.2		
Italy	264.7	53.1	10.9	8.5
Japan	109.2	71.4	18.0	12.5
Netherlands	272.5		12.9	
New Zealand	173.8	39.9		
Norway	150.3	46.8		
Poland	384.1	62.9	15.8	
Portugal	134.9			
Romania	221.4	41.4		
Spain	210.1	57.9	12.1	
Sweden	106.3	36.6	6.0	
Switzerland	183.2	36.0		
UK	207.2	47.1		
USA	258.9	41.7	14.5	10.1
USSR				
Yugoslavia		54.1		
	N	21	14	6
	R	0.25	0.30	-0.53

Figure L6.23

Scatter plots relating Lung Cancer mortality to smoking habits 25 to 5 years earlier
 Males Age 60-64 Period 1991 to 1995



- | | | | | | |
|--------------|---------------|-----------|------------|-----------|------------------|
| ◆ Australia | ◆ Austria | ◆ Belgium | ◆ Bulgaria | ◆ Canada | ◆ Czechoslovakia |
| ■ Denmark | ▲ Finland | ◆ France | ◆ Germany | ◆ Greece | ◆ Hungary |
| ▲ Iceland | × Ireland | ◆ Israel | ◆ Italy | ◆ Japan | ◆ Netherlands |
| × NewZealand | — Norway | ◆ Poland | ◆ Portugal | ◆ Romania | ◆ Spain |
| — Sweden | ◆ Switzerland | ◆ UK | ◆ USA | ◆ USSR | ◆ Yugoslavia |

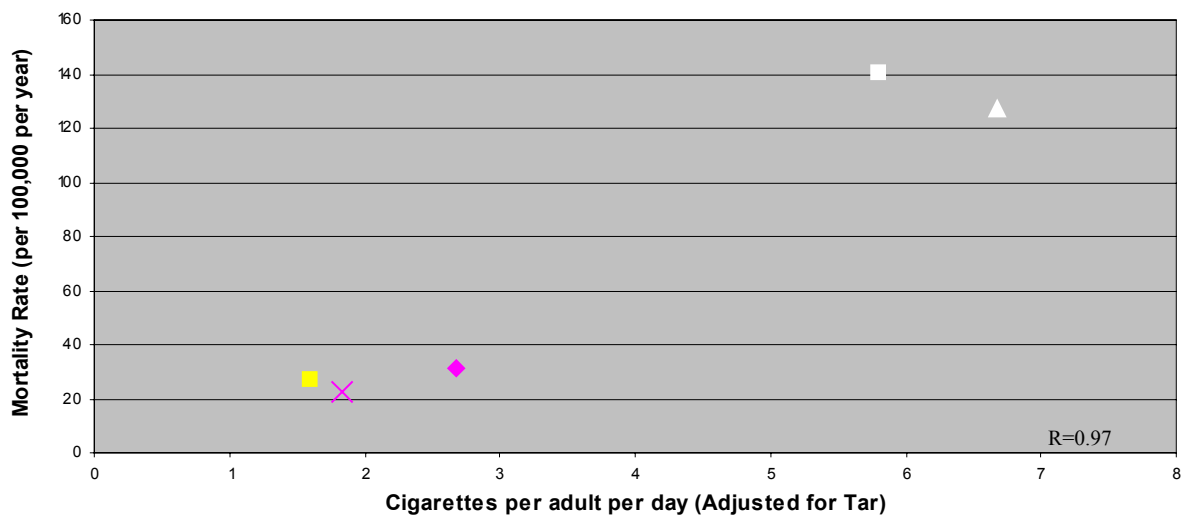
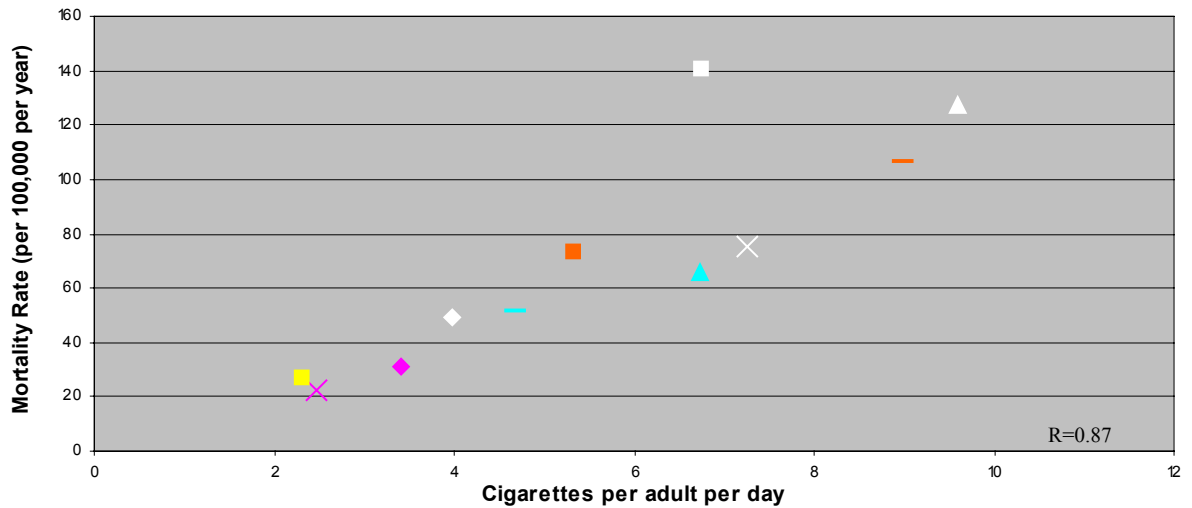
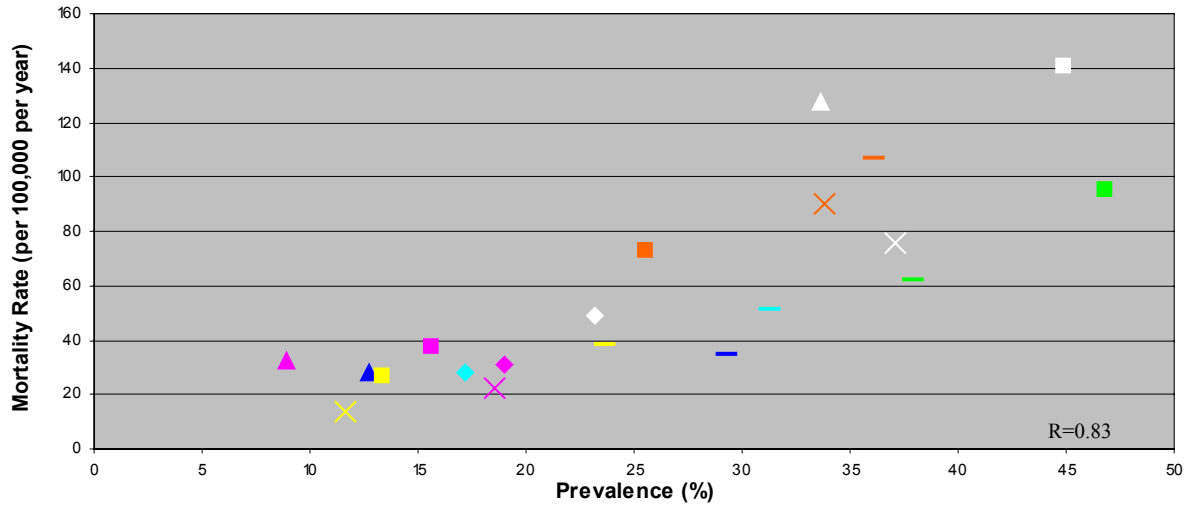
Table L6.24

Lung Cancer mortality rates (per 100,000 per year) and smoking habits 25 to 5 years earlier, by country, showing Pearson correlation coefficients

	Females	Age 60-64	Period 1991 to 1995	
	Mortality rate	Prevalence	Consumption	Cons tar adj
Australia	59.6			
Austria	37.4	15.6		
Belgium	41.0			
Bulgaria	26.6			
Canada	106.4	36.1	9.0	
Czechoslovakia		17.4		
Denmark	140.6	44.9	6.8	5.8
Finland	28.1	12.7		
France	22.6	18.6	2.5	1.8
Germany	38.3	23.6		
Greece	28.3	17.2		
Hungary	73.1	25.6	5.3	
Iceland	125.0			
Ireland	75.6	37.1	7.3	
Israel	34.5	29.2		
Italy	31.1	19.0	3.4	2.7
Japan	26.7	13.4	2.3	1.6
Netherlands	66.0		6.7	
New Zealand	89.7	33.8		
Norway	62.1	37.9		
Poland	49.0	23.2	4.0	
Portugal	17.4			
Romania	32.1	8.9		
Spain	13.6	11.6		
Sweden	51.5	31.3	4.7	
Switzerland	41.5			
UK	95.5	46.8		
USA	127.6	33.6	9.6	6.7
USSR				
Yugoslavia		17.9		
	N	20	11	5
	R	0.83	0.78	0.97

Figure L6.24

Scatter plots relating Lung Cancer mortality to smoking habits 25 to 5 years earlier
 Females Age 60-64 Period 1991 to 1995



- | | | | | | |
|---------------|------------|-----------|--------------|---------------|------------------|
| ◆ Australia | ◆ Austria | ◆ Belgium | ◆ Bulgaria | ◆ Canada | ◆ Czechoslovakia |
| ■ Denmark | ▲ Finland | × France | ■ Germany | ◆ Hungary | ◆ Iceland |
| ▲ New Zealand | × Ireland | ◆ Italy | ◆ Japan | ▲ Netherlands | ◆ Norway |
| ◆ Poland | ◆ Portugal | ◆ Romania | ◆ Spain | ◆ Sweden | ◆ Switzerland |
| ◆ UK | ▲ USA | × USSR | ◆ Yugoslavia | | |

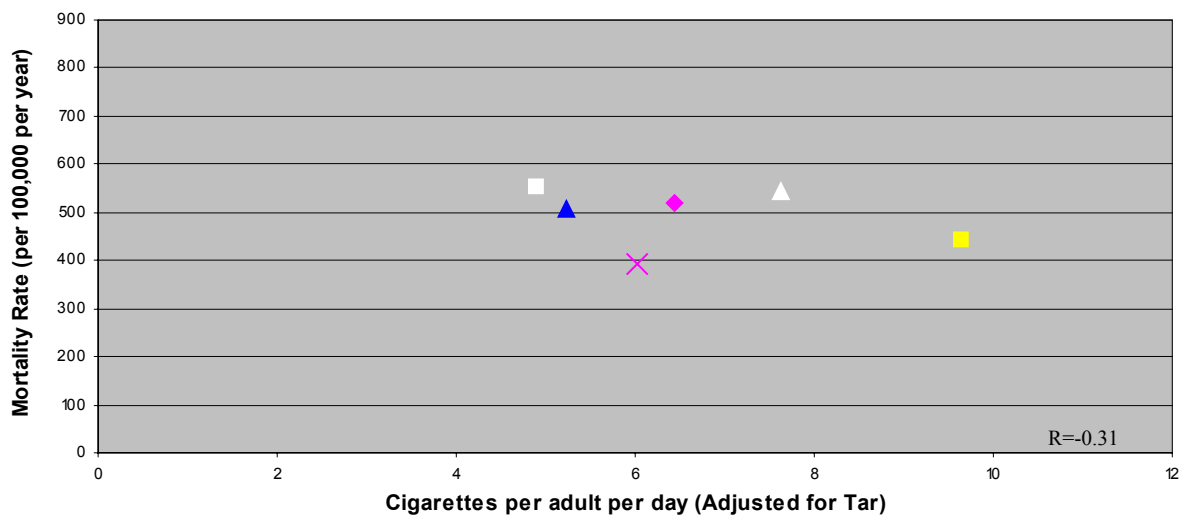
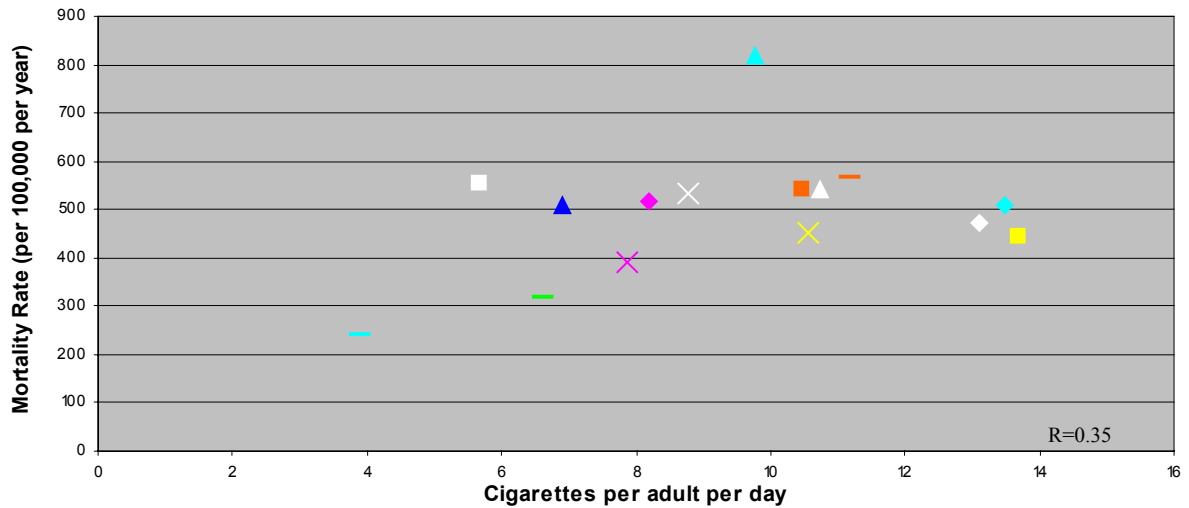
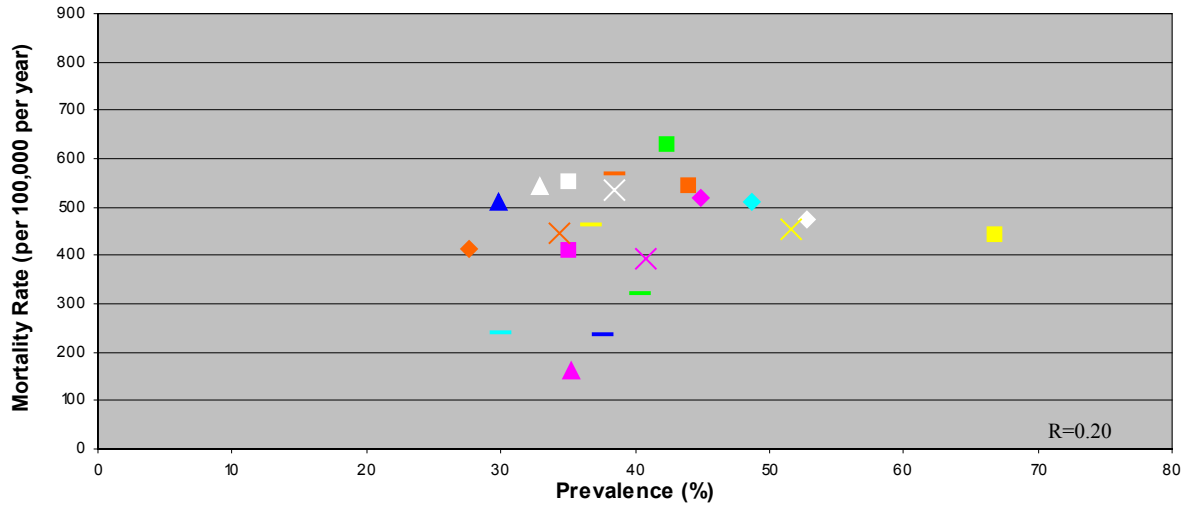
Table L6.25

Lung Cancer mortality rates (per 100,000 per year) and smoking habits 25 to 5 years earlier, by country, showing Pearson correlation coefficients

	Males	Age 75-79	Period 1991 to 1995	
	Mortality rate	Prevalence	Consumption	Cons tar adj
Australia	437.7			
Austria	408.1	35.1		
Belgium	802.4			
Bulgaria	203.2			
Canada	566.5	38.5	11.2	
Czechoslovakia		36.0		
Denmark	553.2	35.1	5.7	4.9
Finland	508.9	29.8	6.9	5.2
France	392.8	40.7	7.9	6.0
Germany	461.6	36.7		
Greece	509.7	48.6	13.5	
Hungary	542.2	44.1	10.5	
Iceland	310.9			
Ireland	533.6	38.5	8.8	
Israel	234.4	37.6		
Italy	517.9	44.9	8.2	6.4
Japan	443.6	66.9	13.7	9.6
Netherlands	820.1		9.8	
New Zealand	445.8	34.4		
Norway	318.8	40.4	6.6	
Poland	473.2	52.8	13.1	
Portugal	241.8			
Romania	163.1	35.2		
Spain	454.0	51.7	10.6	
Sweden	238.8	30.0	3.9	
Switzerland	412.3	27.7		
UK	627.9	42.4		
USA	543.1	32.9	10.7	7.6
USSR				
Yugoslavia		46.4	10.9	
	N	21	15	6
	R	0.20	0.35	-0.31

Figure L6.25

Scatter plots relating Lung Cancer mortality to smoking habits 25 to 5 years earlier
 Males Age 75-79 Period 1991 to 1995



- | | | | | | |
|---------------|---------------|-----------|------------|---------------|------------------|
| ◆ Australia | ◆ Austria | ◆ Belgium | ◆ Bulgaria | ◆ Canada | ◆ Czechoslovakia |
| ■ Denmark | ▲ Finland | × France | ◆ Germany | ◆ Greece | ◆ Hungary |
| ▲ Iceland | × Ireland | ◆ Italy | ◆ Japan | ▲ Netherlands | ◆ New Zealand |
| × New Zealand | ◆ Norway | ◆ Poland | ◆ Portugal | ◆ Romania | ◆ Spain |
| ◆ Sweden | ◆ Switzerland | ◆ UK | ◆ USA | ◆ USSR | ◆ Yugoslavia |

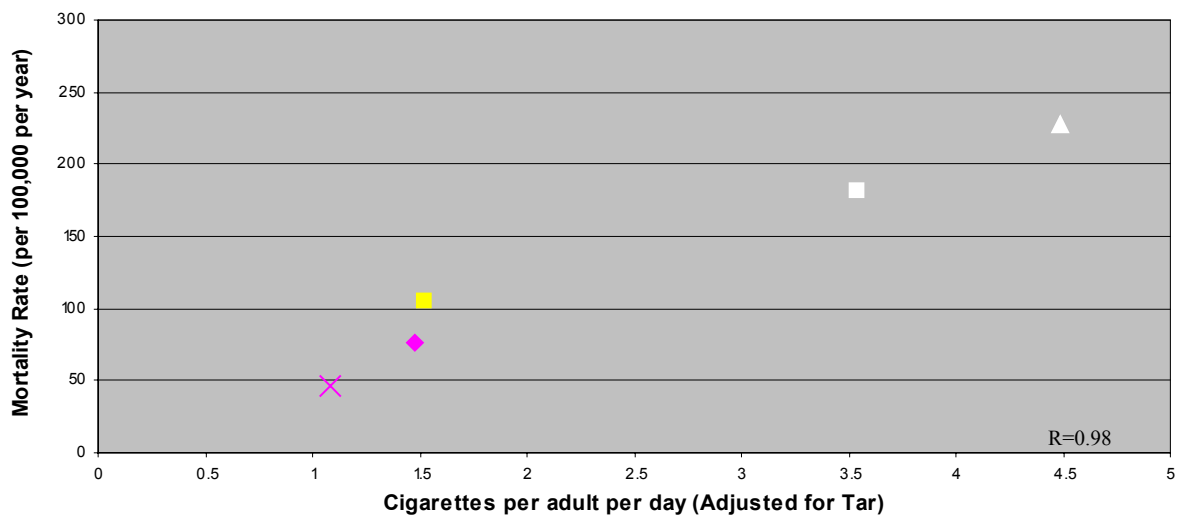
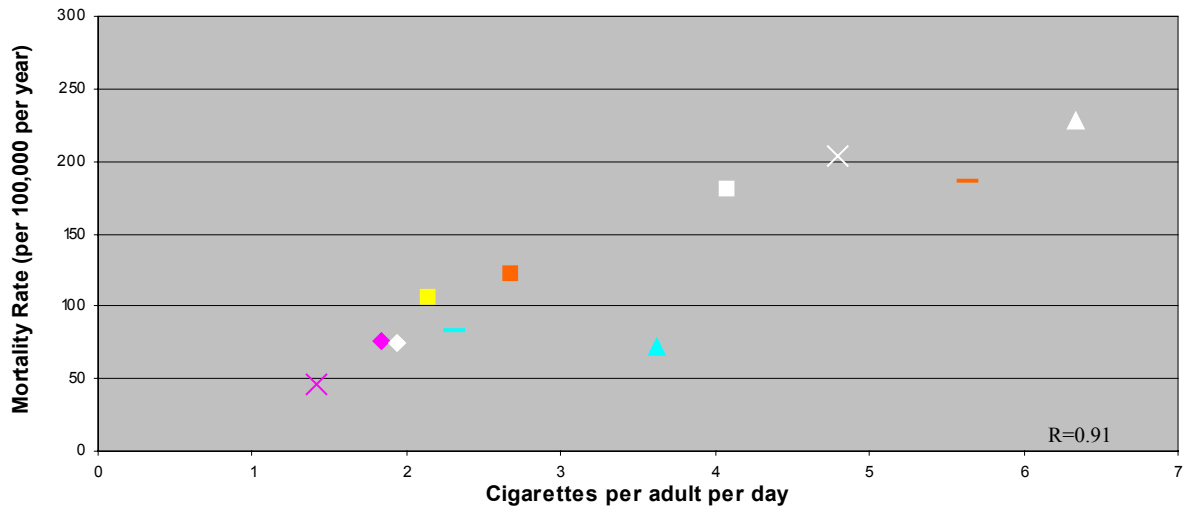
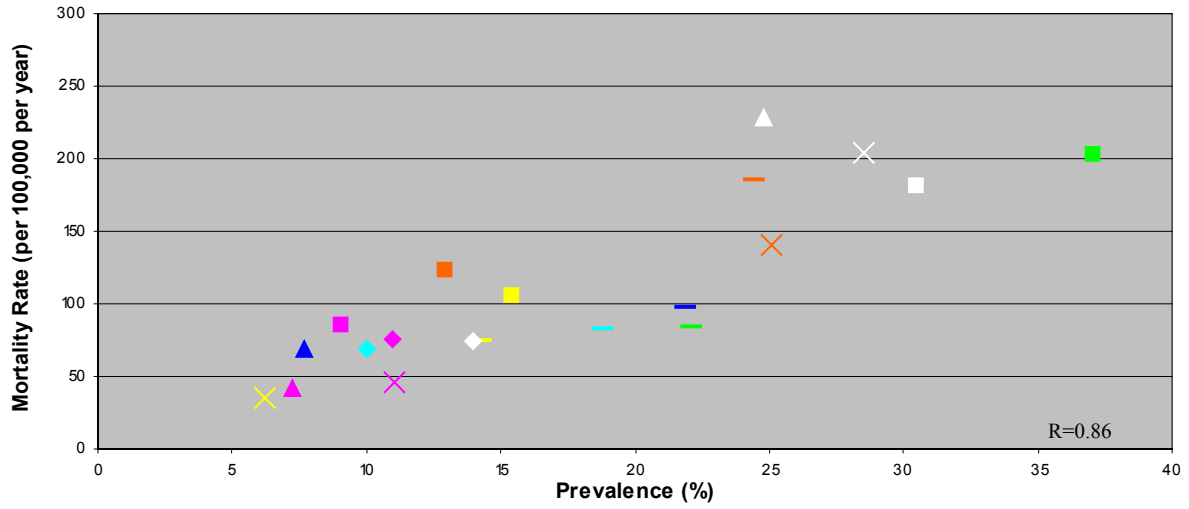
Table L6.26

Lung Cancer mortality rates (per 100,000 per year) and smoking habits 25 to 5 years earlier, by country, showing Pearson correlation coefficients

	Females	Age 75-79	Period 1991 to 1995	
	Mortality rate	Prevalence	Consumption	Cons tar adj
Australia	134.5			
Austria	84.9	9.1		
Belgium	66.5			
Bulgaria	54.9			
Canada	185.8	24.4	5.6	
Czechoslovakia		8.9		
Denmark	181.0	30.5	4.1	3.5
Finland	69.1	7.7		
France	46.1	11.0	1.4	1.1
Germany	74.2	14.3		
Greece	68.5	10.0		
Hungary	122.8	12.9	2.7	
Iceland	259.7			
Ireland	203.4	28.5	4.8	
Israel	96.8	21.9		
Italy	76.2	11.0	1.8	1.5
Japan	105.6	15.4	2.1	1.5
Netherlands	72.0		3.6	
New Zealand	140.3	25.1		
Norway	83.4	22.1		
Poland	74.0	13.9	1.9	
Portugal	43.5			
Romania	41.9	7.2		
Spain	34.7	6.2		
Sweden	82.6	18.8	2.3	
Switzerland	70.1			
UK	202.1	37.1		
USA	228.2	24.8	6.3	4.5
USSR				
Yugoslavia		11.7	2.0	
N		20	11	5
R		0.86	0.91	0.98

Figure L6.26

Scatter plots relating Lung Cancer mortality to smoking habits 25 to 5 years earlier
 Females Age 75-79 Period 1991 to 1995



- | | | | | | |
|---------------|---------------|-----------|------------|---------------|------------------|
| ◆ Australia | ◆ Austria | ▲ Belgium | × Bulgaria | — Canada | ◆ Czechoslovakia |
| ■ Denmark | ▲ Finland | × France | — Germany | — Hungary | — Iceland |
| ▲ Greece | × Ireland | — Israel | ◆ Italy | ▲ Netherlands | — New Zealand |
| × New Zealand | — Norway | ◆ Poland | — Portugal | ▲ Romania | — Spain |
| — Sweden | — Switzerland | ■ UK | ▲ USA | × USSR | — Yugoslavia |

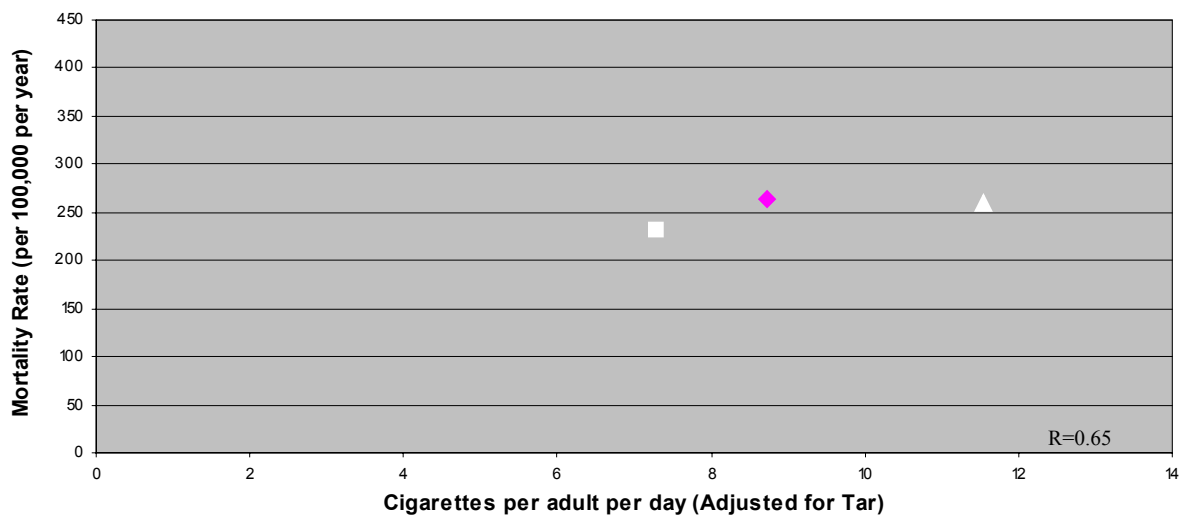
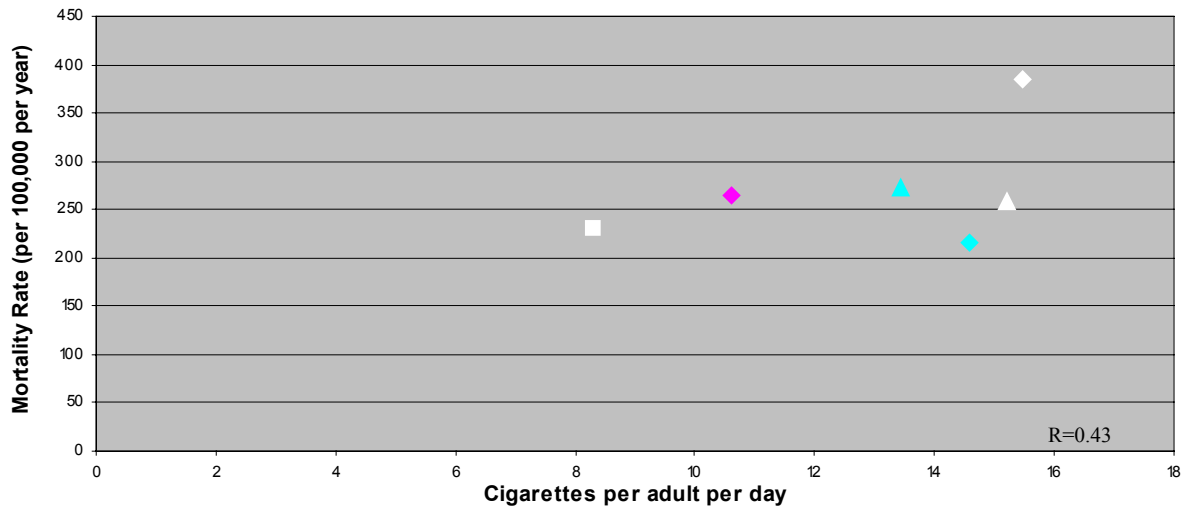
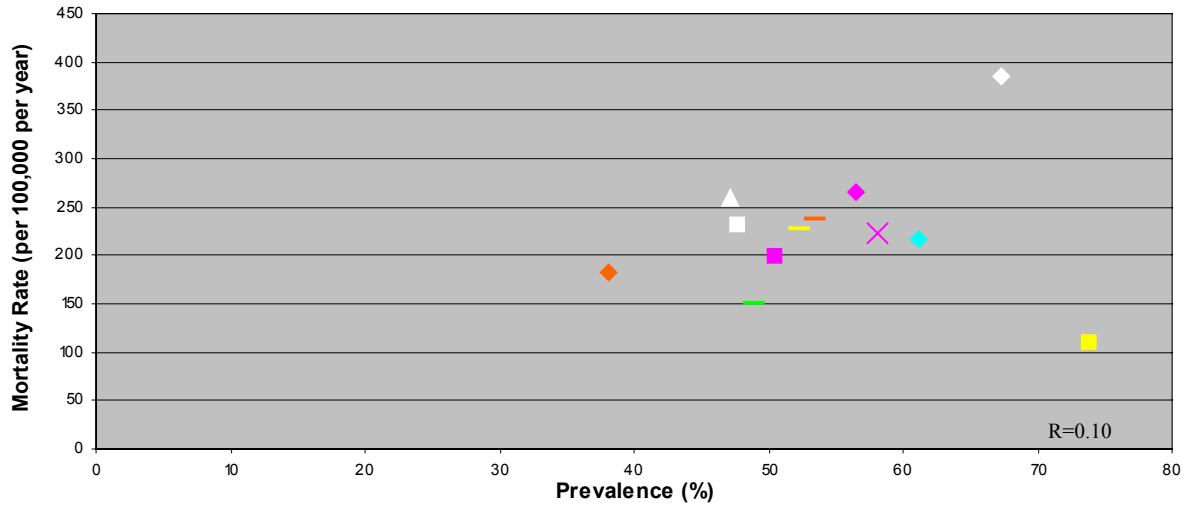
Table L6.27

Lung Cancer mortality rates (per 100,000 per year) and smoking habits 35 to 5 years earlier, by country, showing Pearson correlation coefficients

	Males	Age 60-64	Period 1991 to 1995	
	Mortality rate	Prevalence	Consumption	Cons tar adj
Australia	174.8			
Austria	199.1	50.6		
Belgium	302.8			
Bulgaria	210.4			
Canada	236.5	53.4		
Czechoslovakia				
Denmark	230.5	47.8	8.3	7.3
Finland	186.2			
France	222.2	58.1		
Germany	226.9	52.3		
Greece	216.3	61.2	14.6	
Hungary	387.8			
Iceland	85.9			
Ireland	195.4			
Israel	117.8			
Italy	264.7	56.5	10.6	8.7
Japan	109.2	73.9		
Netherlands	272.5		13.4	
New Zealand	173.8			
Norway	150.3	48.9		
Poland	384.1	67.3	15.5	
Portugal	134.9			
Romania	221.4			
Spain	210.1			
Sweden	106.3			
Switzerland	183.2	38.1		
UK	207.2			
USA	258.9	47.1	15.2	11.5
USSR				
Yugoslavia				
	N	12	6	3
	R	0.10	0.43	0.65

Figure L6.27

Scatter plots relating Lung Cancer mortality to smoking habits 35 to 5 years earlier
 Males Age 60-64 Period 1991 to 1995



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|---------------|---------------|-----------|------------|-----------|------------------|
| ◆ Australia | ◆ Austria | ▲ Belgium | ◆ Bulgaria | — Canada | ◆ Czechoslovakia |
| □ Denmark | ▲ Finland | × France | — Germany | ◆ Greece | — Hungary |
| ▲ Iceland | × Ireland | — Israel | ◆ Italy | ◆ Japan | ▲ Netherlands |
| × New Zealand | — Norway | ◆ Poland | ◆ Portugal | ▲ Romania | ◆ Spain |
| — Sweden | ◆ Switzerland | ■ UK | ▲ USA | × USSR | — Yugoslavia |

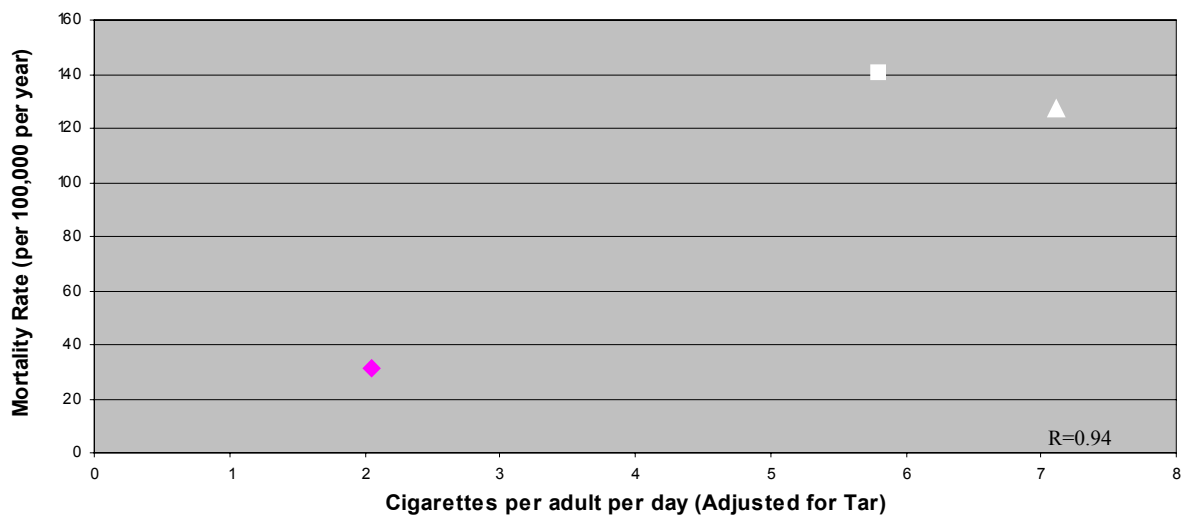
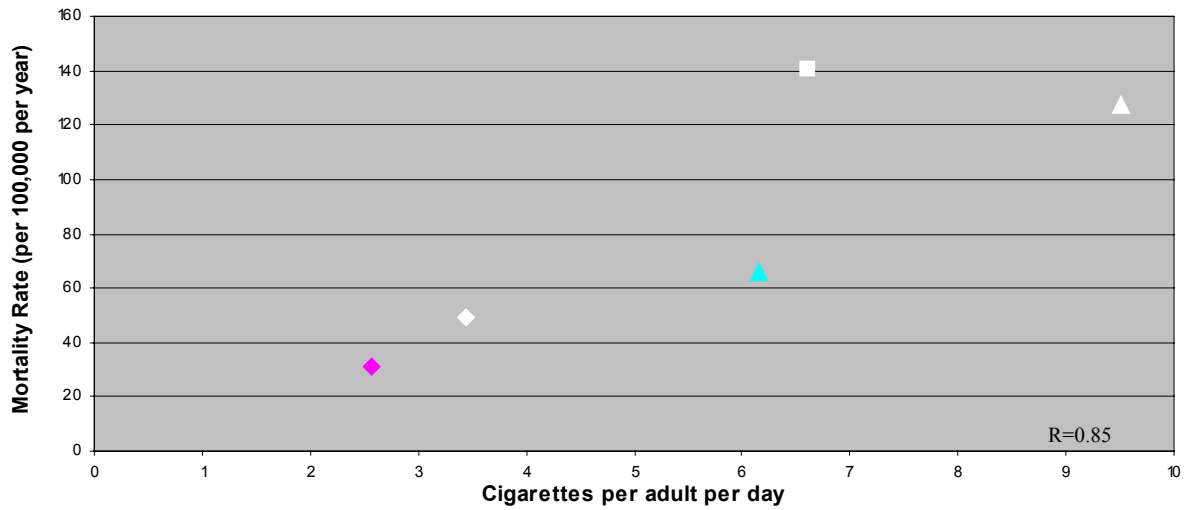
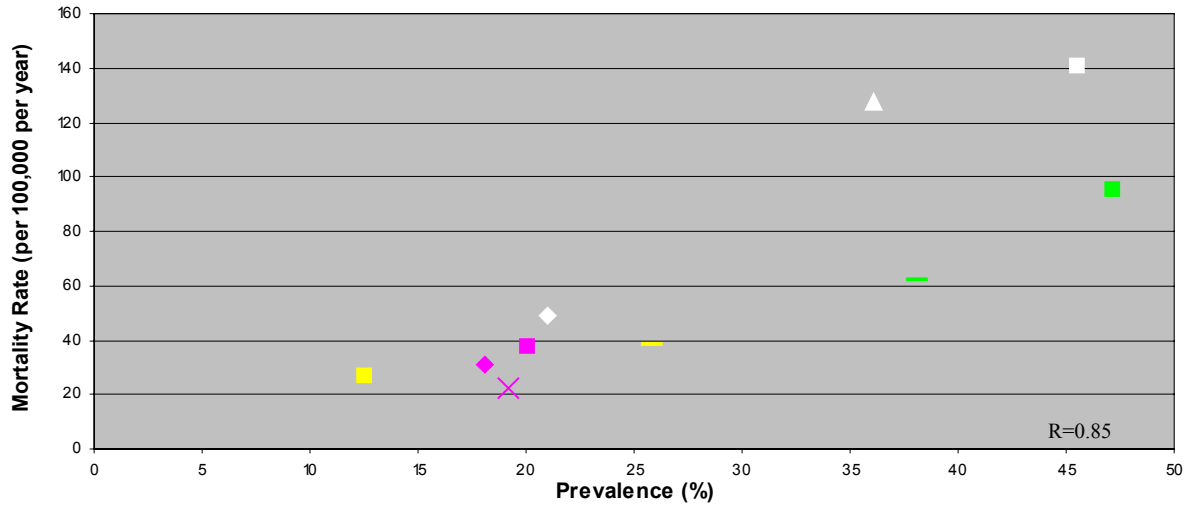
Table L6.28

Lung Cancer mortality rates (per 100,000 per year) and smoking habits 35 to 5 years earlier, by country, showing Pearson correlation coefficients

	Females	Age 60-64	Period 1991 to 1995	
	Mortality rate	Prevalence	Consumption	Cons tar adj
Australia	59.6			
Austria	37.4	20.1		
Belgium	41.0			
Bulgaria	26.6			
Canada	106.4			
Czechoslovakia				
Denmark	140.6	45.5	6.6	5.8
Finland	28.1			
France	22.6	19.2		
Germany	38.3	25.8		
Greece	28.3			
Hungary	73.1			
Iceland	125.0			
Ireland	75.6			
Israel	34.5			
Italy	31.1	18.1	2.6	2.0
Japan	26.7	12.5		
Netherlands	66.0		6.2	
New Zealand	89.7			
Norway	62.1	38.1		
Poland	49.0	21.0	3.4	
Portugal	17.4			
Romania	32.1			
Spain	13.6			
Sweden	51.5			
Switzerland	41.5			
UK	95.5	47.1		
USA	127.6	36.1	9.5	7.1
USSR				
Yugoslavia				
	N	10	5	3
	R	0.85	0.85	0.94

Figure L6.28

Scatter plots relating Lung Cancer mortality to smoking habits 35 to 5 years earlier
 Females Age 60-64 Period 1991 to 1995



- | | | | | | |
|---------------|-----------|------------|------------|---------------|------------------|
| ◆ Australia | ◆ Austria | ▲ Belgium | × Bulgaria | — Canada | ◆ Czechoslovakia |
| ■ Denmark | ▲ Finland | × France | — Germany | — Greece | ■ Hungary |
| ▲ Iceland | × Ireland | — Israel | ◆ Italy | ▲ Netherlands | — NewZealand |
| — Norway | ◆ Poland | ◆ Portugal | ▲ Romania | — Spain | — Sweden |
| — Switzerland | ◆ UK | ▲ USA | × USSR | — Yugoslavia | |

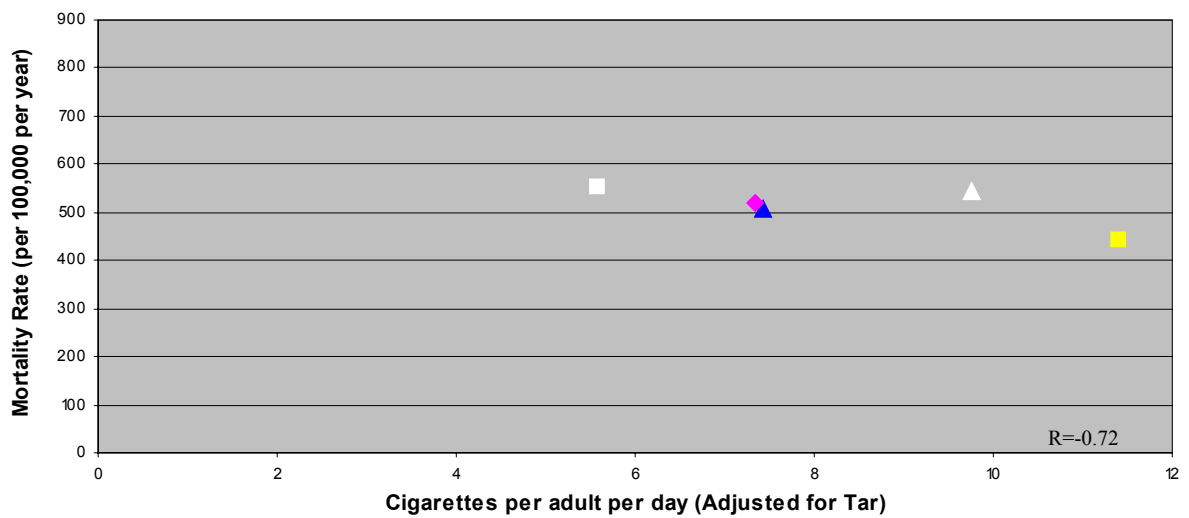
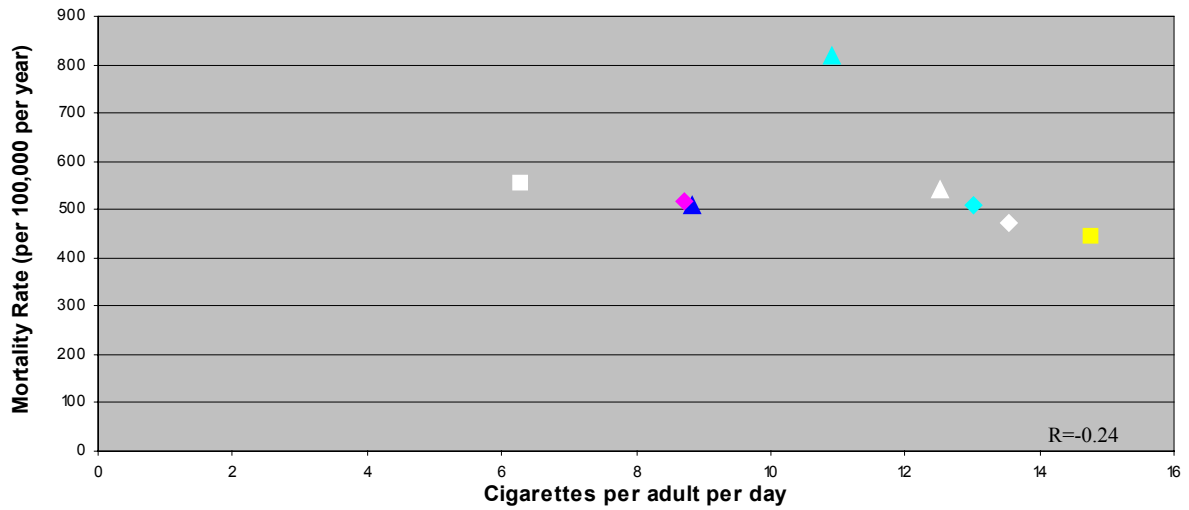
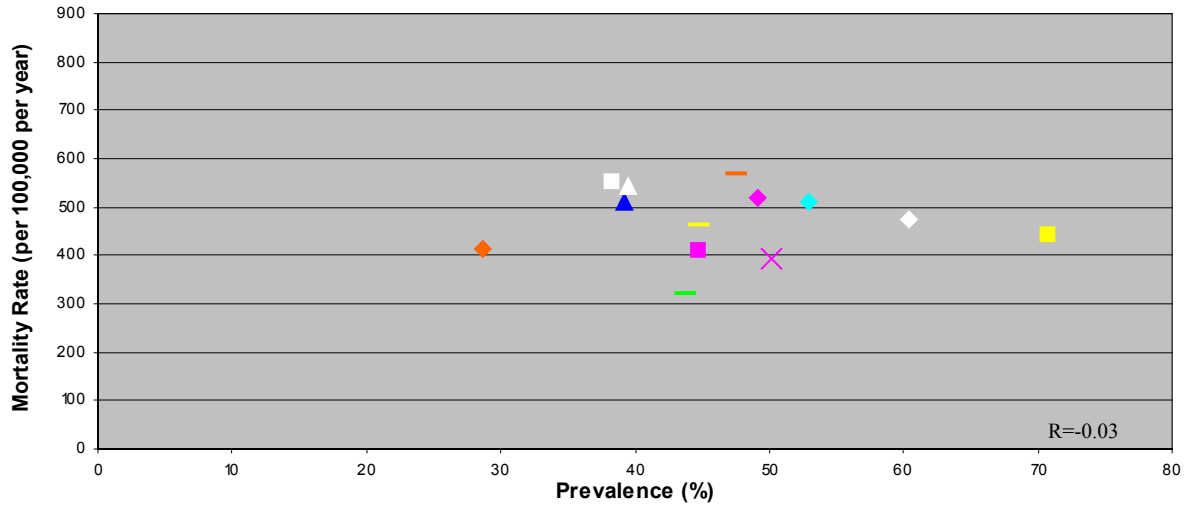
Table L6.29

Lung Cancer mortality rates (per 100,000 per year) and smoking habits 35 to 5 years earlier, by country, showing Pearson correlation coefficients

	Males	Age 75-79	Period 1991 to 1995	
	Mortality rate	Prevalence	Consumption	Cons tar adj
Australia	437.7			
Austria	408.1	44.8		
Belgium	802.4			
Bulgaria	203.2			
Canada	566.5	47.6		
Czechoslovakia				
Denmark	553.2	38.4	6.3	5.6
Finland	508.9	39.2	8.8	7.4
France	392.8	50.2		
Germany	461.6	44.7		
Greece	509.7	52.9	13.0	
Hungary	542.2			
Iceland	310.9			
Ireland	533.6			
Israel	234.4			
Italy	517.9	49.1	8.7	7.4
Japan	443.6	70.8	14.8	11.4
Netherlands	820.1		10.9	
New Zealand	445.8			
Norway	318.8	43.7		
Poland	473.2	60.4	13.5	
Portugal	241.8			
Romania	163.1			
Spain	454.0			
Sweden	238.8			
Switzerland	412.3	28.7		
UK	627.9			
USA	543.1	39.5	12.5	9.8
USSR				
Yugoslavia		49.4	11.0	
	N	13	8	5
	R	-0.03	-0.24	-0.72

Figure L6.29

Scatter plots relating Lung Cancer mortality to smoking habits 35 to 5 years earlier
 Males Age 75-79 Period 1991 to 1995



- | | | | | | |
|---------------|---------------|-----------|------------|-----------|------------------|
| ◆ Australia | ◆ Austria | ▲ Belgium | × Bulgaria | — Canada | ◆ Czechoslovakia |
| ■ Denmark | ▲ Finland | × France | — Germany | ◆ Greece | ◆ Hungary |
| ▲ Iceland | × Ireland | — Israel | ◆ Italy | ▲ Japan | ▲ Netherlands |
| × New Zealand | — Norway | ◆ Poland | ◆ Portugal | ▲ Romania | × Spain |
| — Sweden | ◆ Switzerland | ■ UK | | ▲ USSR | — Yugoslavia |

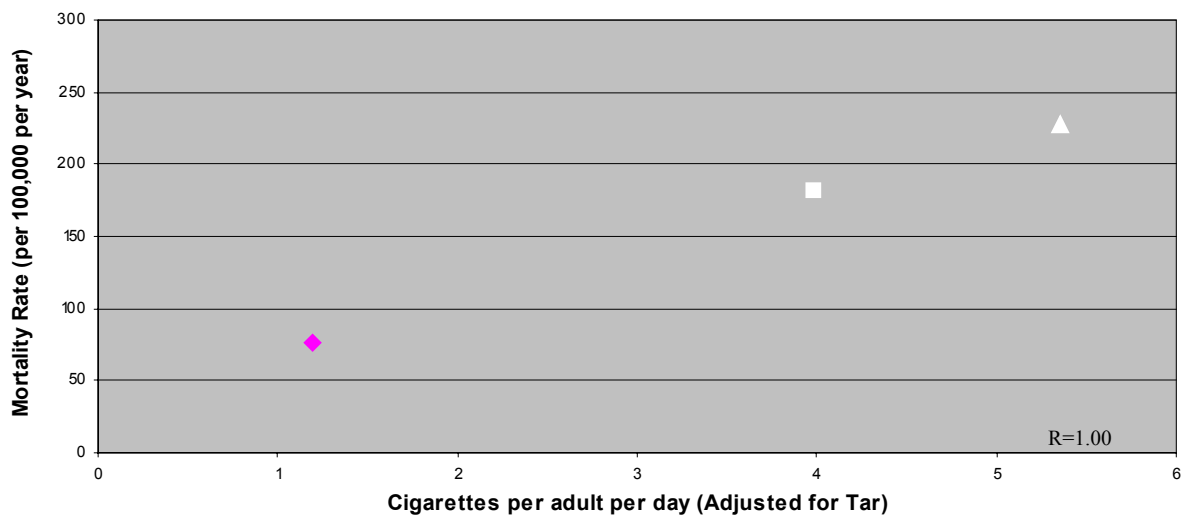
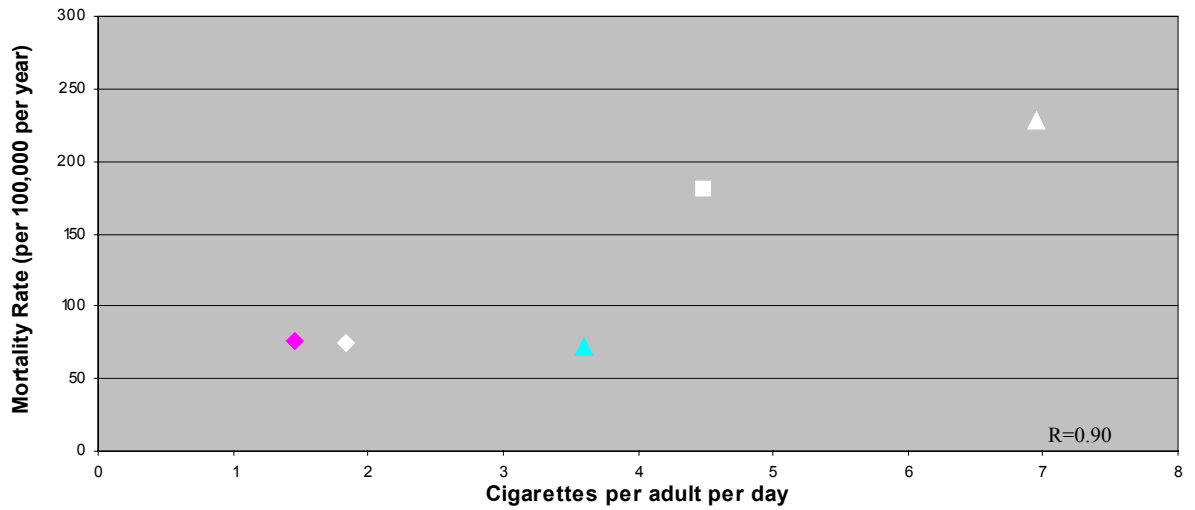
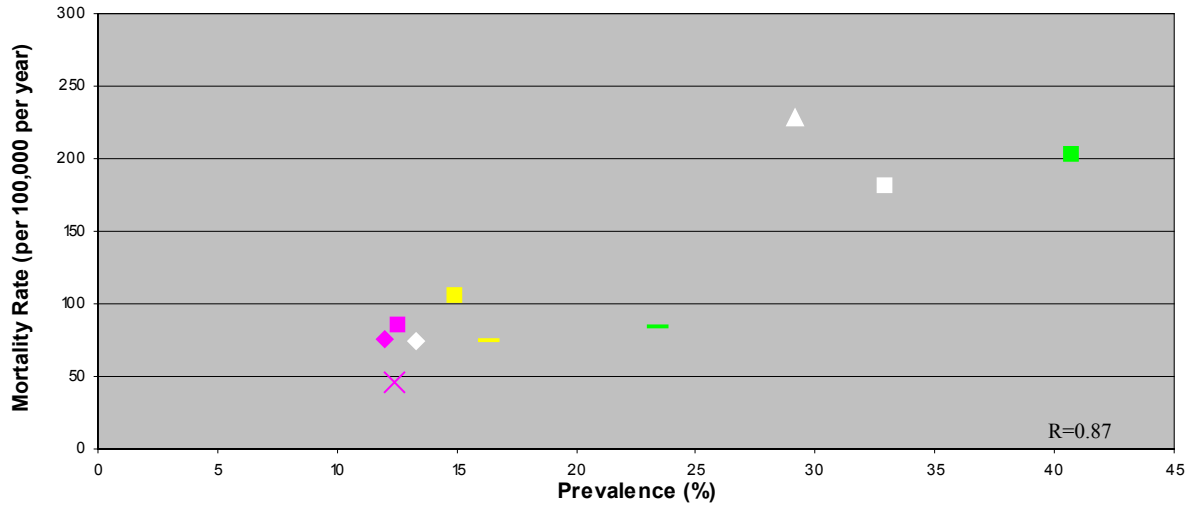
Table L6.30

Lung Cancer mortality rates (per 100,000 per year) and smoking habits 35 to 5 years earlier, by country, showing Pearson correlation coefficients

	Females	Age 75-79	Period 1991 to 1995	
	Mortality rate	Prevalence	Consumption	Cons tar adj
Australia	134.5			
Austria	84.9	12.6		
Belgium	66.5			
Bulgaria	54.9			
Canada	185.8			
Czechoslovakia				
Denmark	181.0	32.9	4.5	4.0
Finland	69.1			
France	46.1	12.4		
Germany	74.2	16.3		
Greece	68.5			
Hungary	122.8			
Iceland	259.7			
Ireland	203.4			
Israel	96.8			
Italy	76.2	12.0	1.5	1.2
Japan	105.6	15.0		
Netherlands	72.0		3.6	
New Zealand	140.3			
Norway	83.4	23.4		
Poland	74.0	13.3	1.8	
Portugal	43.5			
Romania	41.9			
Spain	34.7			
Sweden	82.6			
Switzerland	70.1			
UK	202.1	40.7		
USA	228.2	29.2	7.0	5.4
USSR				
Yugoslavia				
N		10	5	3
R		0.87	0.90	1.00

Figure L6.30

Scatter plots relating Lung Cancer mortality to smoking habits 35 to 5 years earlier
 Females Age 75-79 Period 1991 to 1995



- | | | | | | |
|---------------|---------------|-----------|------------|---------------|------------------|
| ◆ Australia | ◆ Austria | ▲ Belgium | ⊗ Bulgaria | — Canada | ◆ Czechoslovakia |
| □ Denmark | ▲ Finland | ⊗ France | — Germany | ● Greece | ■ Hungary |
| ▲ Iceland | ⊗ Ireland | — Israel | ◆ Italy | ▲ Netherlands | ■ New Zealand |
| ⊗ New Zealand | — Norway | ◆ Poland | ■ Portugal | ▲ Romania | ▲ Spain |
| — Sweden | ◆ Switzerland | ■ UK | ▲ USA | ⊗ USSR | — Yugoslavia |