Figure 23

Lung Cancer Mortality among Workers in a Pennsylvania Textile Factory

McDonald *et al.*, (1983b)

mppcf-y		f-y/ml	SMR	Observed	Expected	Predicted (α = 1)	Predicted (α variable)
5	(< 10)	15	66.9	21	31.4	34.1	20.7
15	(10 - 20)	45	83.6	5	6.0	7.5	5.6
30	(20 - 40)	90	156	10	6.4	9.7	8.8
60	(40 - 80)	180	160	6	3.8	7.6	8.3
110	(>= 80)	330	416.1	11	2.6	7.6	9.6
Goodness of Fit P-value						0.08	0.76

Test of H_0: α=1

$p < 0.01$

Estimates of KL (f-y/ml;[1]

(α = 1)

KL = 0.0057

90% CI = (0.0027, 0.0094)

(α variable)

KL = 0.018

90% CI = (0.0075, 0.045)

Figure 24

Mesothelioma Mortality among Pennsylvania Textile Plant Workers

McDonald *et al.*, (1983b)

Years After First Exposure	Duration	f/ml	Person-Years	Predicted by model
15.5	9.18	6.96	17179	0.22
24	9.18	6.96	40868	8.21
41	9.18	6.96	9840	14.57
Estimate of KM $(f\text{-}y^3/ml)^{-1}$				
KM × 10^8 =	1.1			
90% CI × 10^8 =	(0.76, 1.5)			

Figure 25

Mesothelioma Mortality among Rochdale Asbestos Textile Factory

Peto *et al.*, (1985)

Years After First Exposure		Duration of Exposure	f/ml	Person-Years	Number of Mesothelioma Observed	Number of Mesothelioma Predicted by model
11.5	(0-19)	0.5	9.1	28015	0	0.0
22.5	(20-24)	0.5	9.1	4668.2	0	0.2
27.5	(25-29)	0.5	9.1	3469.8	0	0.3
32.5	(30-34)	0.5	9.1	2041.2	0	0.3
37.5	(35-39)	0.5	9.1	840.4	0	0.2
42	(>=40)	0.5	9.1	402.3	0	0.1
11.5	(0-19)	3	9.1	4785.6	0	0.0
22.5	(20-24)	3	9.1	877.4	0	0.2
27.5	(25-29)	3	9.1	631.7	0	0.3
32.5	(30-34)	3	9.1	421.3	0	0.3
37.5	(35-39)	3	9.1	237.7	0	0.3
42	(>=40)	3	9.1	148.4	1	0.2
11.5	(0-19)	7.5	9.1	8520.5	0	0.0
22.5	(20-24)	7.5	9.1	1416.8	0	0.5
27.5	(25-29)	7.5	9.1	1103.5	0	0.9
32.5	(30-34)	7.5	9.1	707.2	0	1.1
37.5	(35-39)	7.5	9.1	383.3	0	0.9
42	(>=40)	7.5	9.1	249.1	0	0.9
11.5	(0-19)	15	9.1	4814.1	0	0.0
22.5	(20-24)	15	9.1	1423.3	0	0.5
27.5	(25-29)	15	9.1	869.7	0	0.9
32.5	(30-34)	15	9.1	469.7	3	1.0
37.5	(35-39)	15	9.1	204	0	0.7
42	(>=40)	15	9.1	102.3	1	0.5
22.5	(20-24)	25	9.1	848.3	1	0.3
27.5	(25-29)	25	9.1	935.3	1	1.0
32.5	(30-34)	25	9.1	599.7	2	1.3
37.5	(35-39)	25	9.1	257.1	1	1.0
42	(>=40)	25	9.1	121.7	0	0.8
32.5	(30-34)	35	9.1	86.2	0	0.2
37.5	(35-39)	35	9.1	106.9	0	0.4
42	(>=40)	35	9.1	103.4	0	0.7

Goodness of Fit P-value = 0.8

Estimate of KM $(f\text{-}y^{3}/ml)^{-1}$

KM × 10^{8} = 1.3

90% CI × 10^{8} = (0.74, 2.1)