eAppendix material for:

A typology for charting socio-economic mortality gradients: "Go south-west"

Contents

Methods for calculating SIIs and RIIs, and plotting them

Directly age- and ethnicity-standardized mortality rates were calculated by income quintile. The midpoint on the cumulative proportion scale was calculated for each quintile ('midpoint-rank-score') – which for a 'perfect' quintile splitting would be 0.1, 0.3, 0.5, 0.7 and 0.9 for each quintile. (Note the highest income is rank 0, and the lowest income rank 1, so as to directly return the SII and RII parameters of interest.) We then used weighted (person time) ordinary least squares regression with the standardized rate as the dependent variable (y), and the midpoint-rank-score' as the independent variable (x_i, where subscript *i* denotes income quintile).

$$\hat{y} = \beta_0 + \beta_1 x_i + \varepsilon_i \, . \qquad (1)$$

Here the estimate of β_1 gives us the slope index of inequality (SII), as, through constraining the independent variable to take values between 0 and 1, it gives the estimated absolute increase in standardised mortality rates from the very bottom of the income distribution (i.e. percentile zero) to the very top (i.e. percentile 100). This is an absolute measure of inequality.

To obtain the RII, a regression-based relative measure of inequality, one simply can use the intercept and slope coefficients form equation 1 to give:

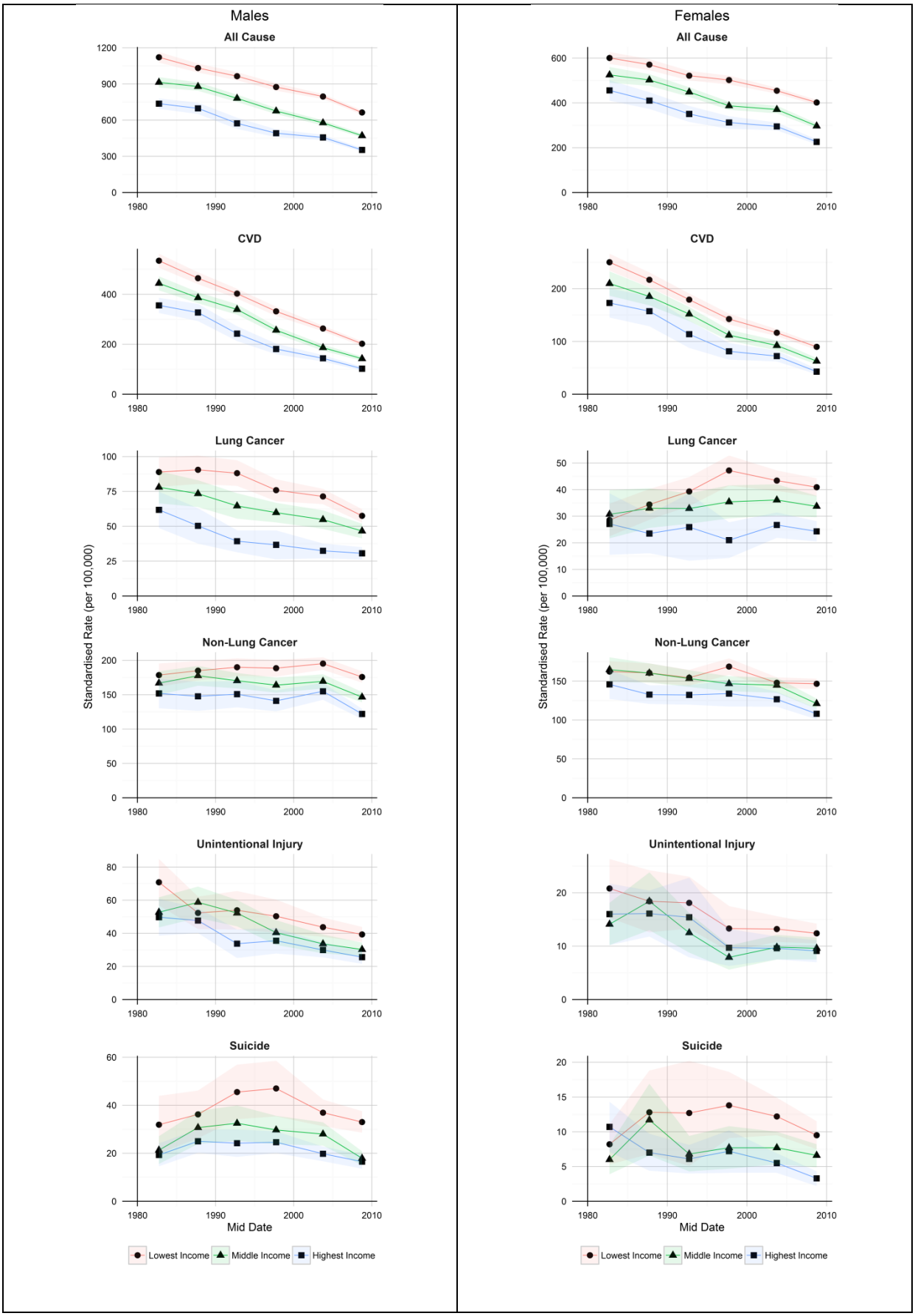
$$\widehat{RII} = \frac{\beta_0 + \beta_1 x_i}{\beta_0}, \qquad (2)$$

where β_0 is the intercept estimated by equation 1 and β_1 is the slope coefficient also estimated by equation 1.

For the typology plots, we used the average standardized mortality rate taken directly from the data, and the above model estimate of the RII. When plotted as x-y coordinates, the SII is (mathematically) given; these SII values were very close to the model-based SIIs, but not identical due as the RII is model-based whereas the average mortality rate is calculated from the data.

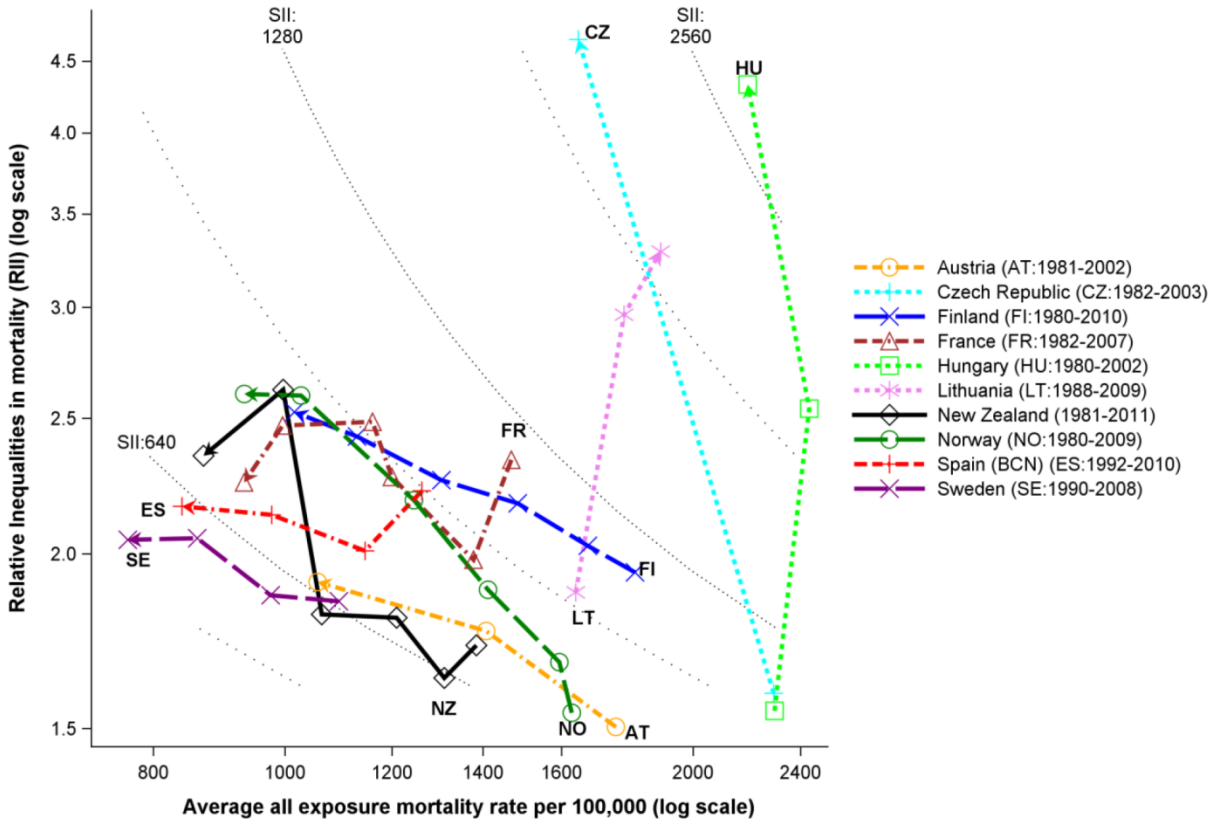
eTables and eFigures

eFigure 1: Trends in age-standardised cause-specific mortality rates (per 100,000) by income tertile, New Zealand, 1981 to 2011.

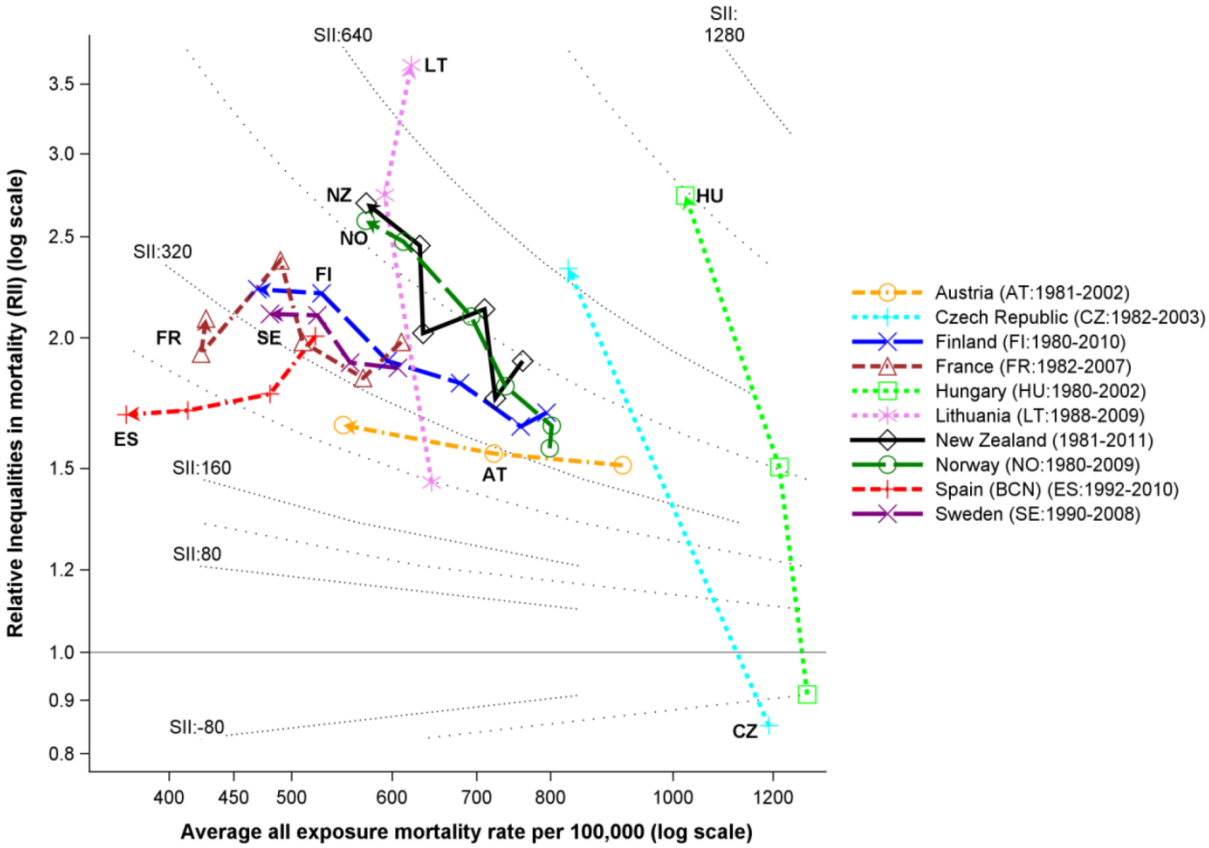


eFigure 2: Mortality inequality plots, by education, for Europe 1990s to 2000s and New Zealand for appropriate cohorts. The solid arrows denote most recent cohort of data. Most trajectories are heading in a northwest direction (i.e. decreasing mortality, stable absolute inequalities, and increasing relative inequalities; *m*↓ *a*– *r*↑).

a) Males

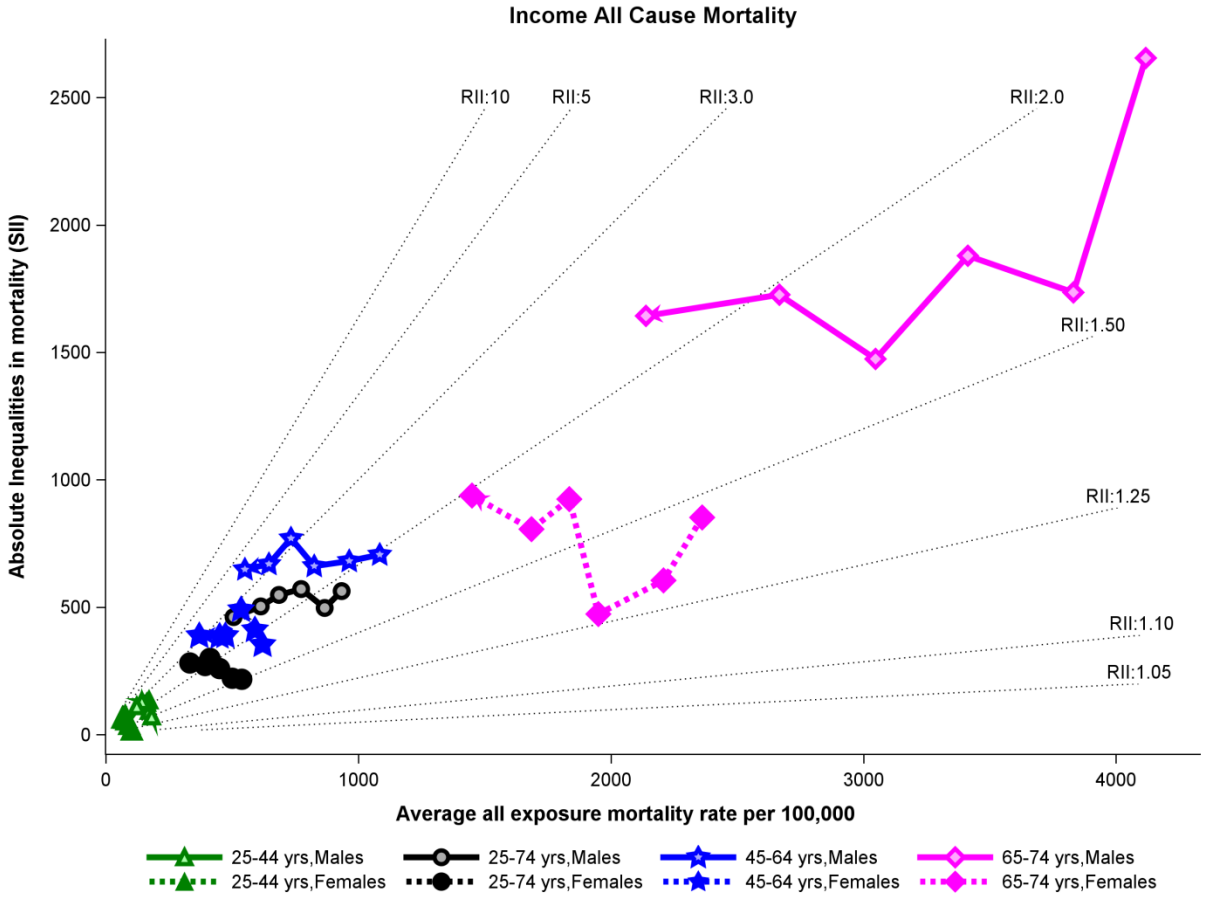


b) Females



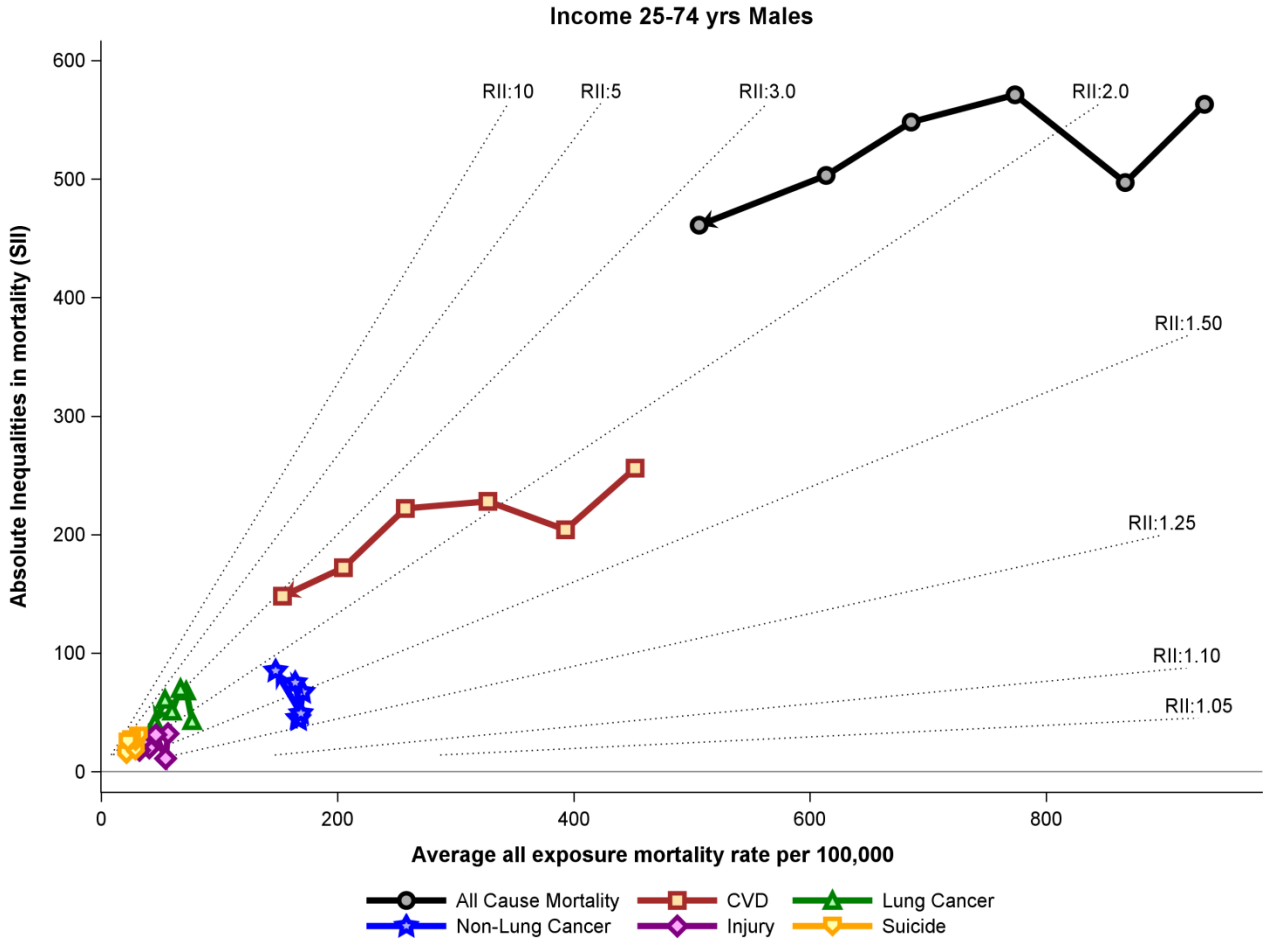
Footnote: Unfortunately, 75-79 year old deaths were not linked to New Zealand censuses till the 2000s, thus there is a slight incomparability by age between New Zealand (35-74 year olds) and European countries (35 to 79 year olds).

eFigure 3: Mortality inequality typology plots using Kjellsson et al (2015) variant, by household income, for age-specific all-cause mortality for NZ 1981-84 to 2006-11. The arrows denotes most recent cohort of data (2006-11).

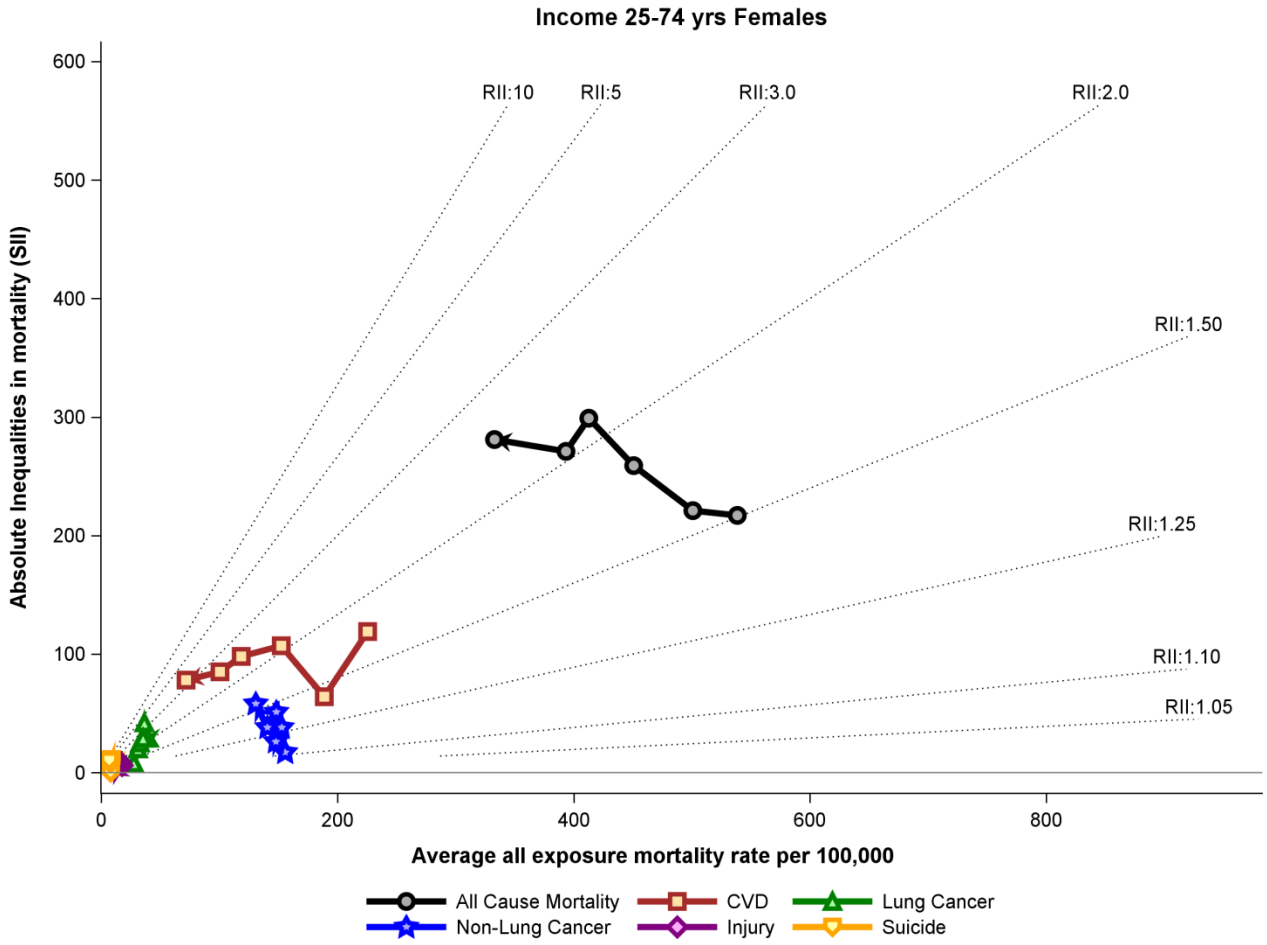


eFigure 4: Mortality inequality plots using Kjellsson et al (2015) variant, by household income, for cause-specific mortality for NZ 1981-84 to 2006-11 The arrows denotes most recent cohort of data (2006-11).

a) Males, 25-74 years of age, household income

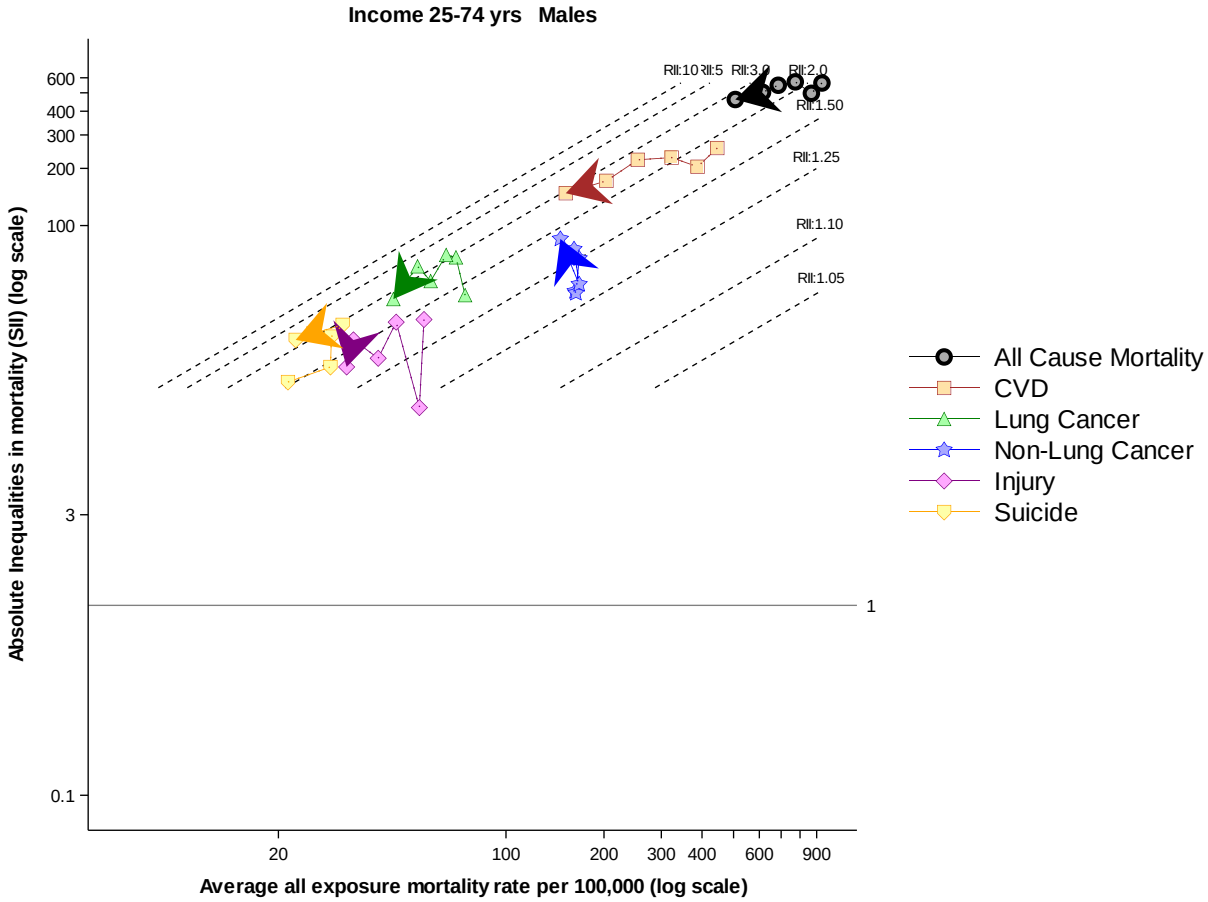


b) Females, 25-74 years of age, household income

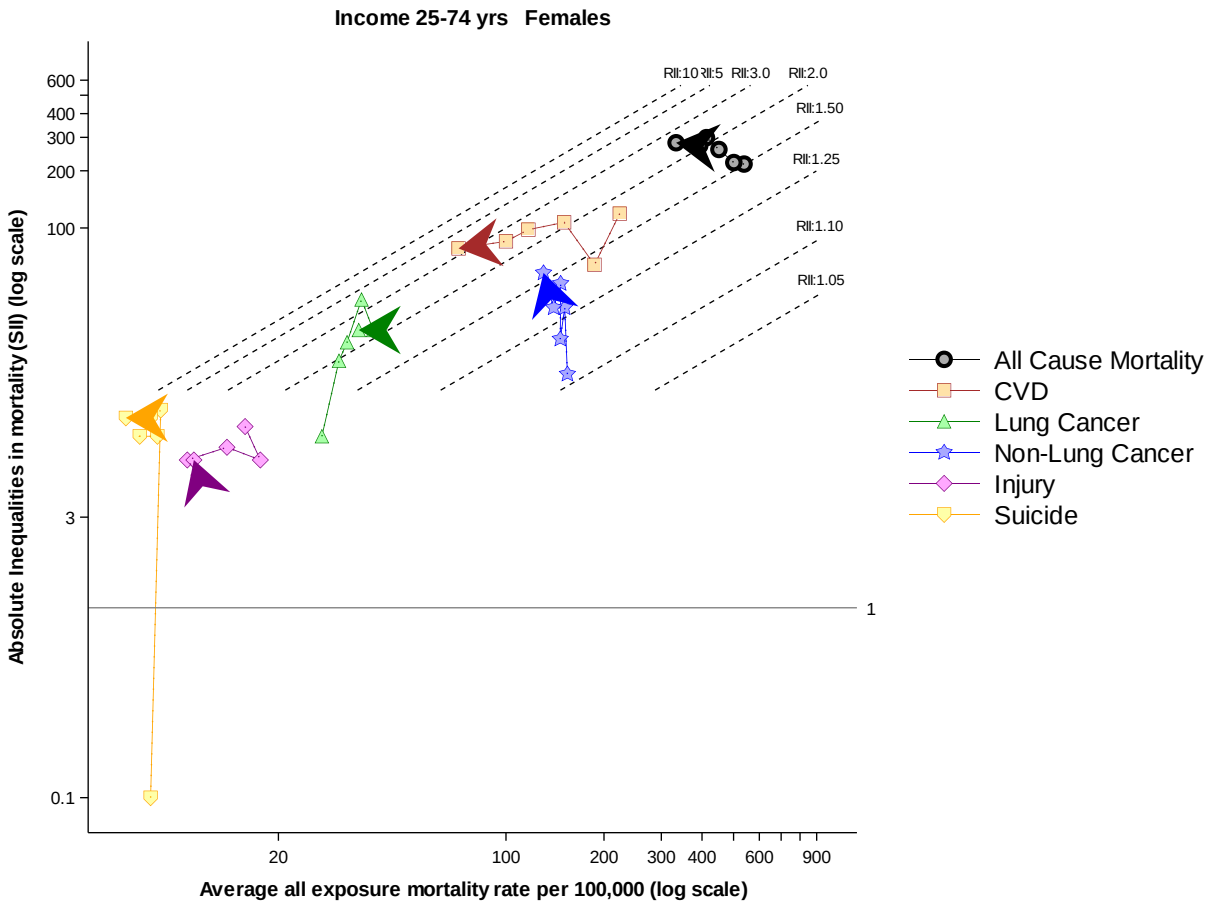


eFigure 5: Mortality inequality plots using Kjellson et al (2015) variant using log x- and y-axes, by household income, for cause-specific mortality for NZ 1981-84 to 2006-11 The arrows denotes most recent cohort of data (2006-11).

a) Males, 25-74 years of age, household income

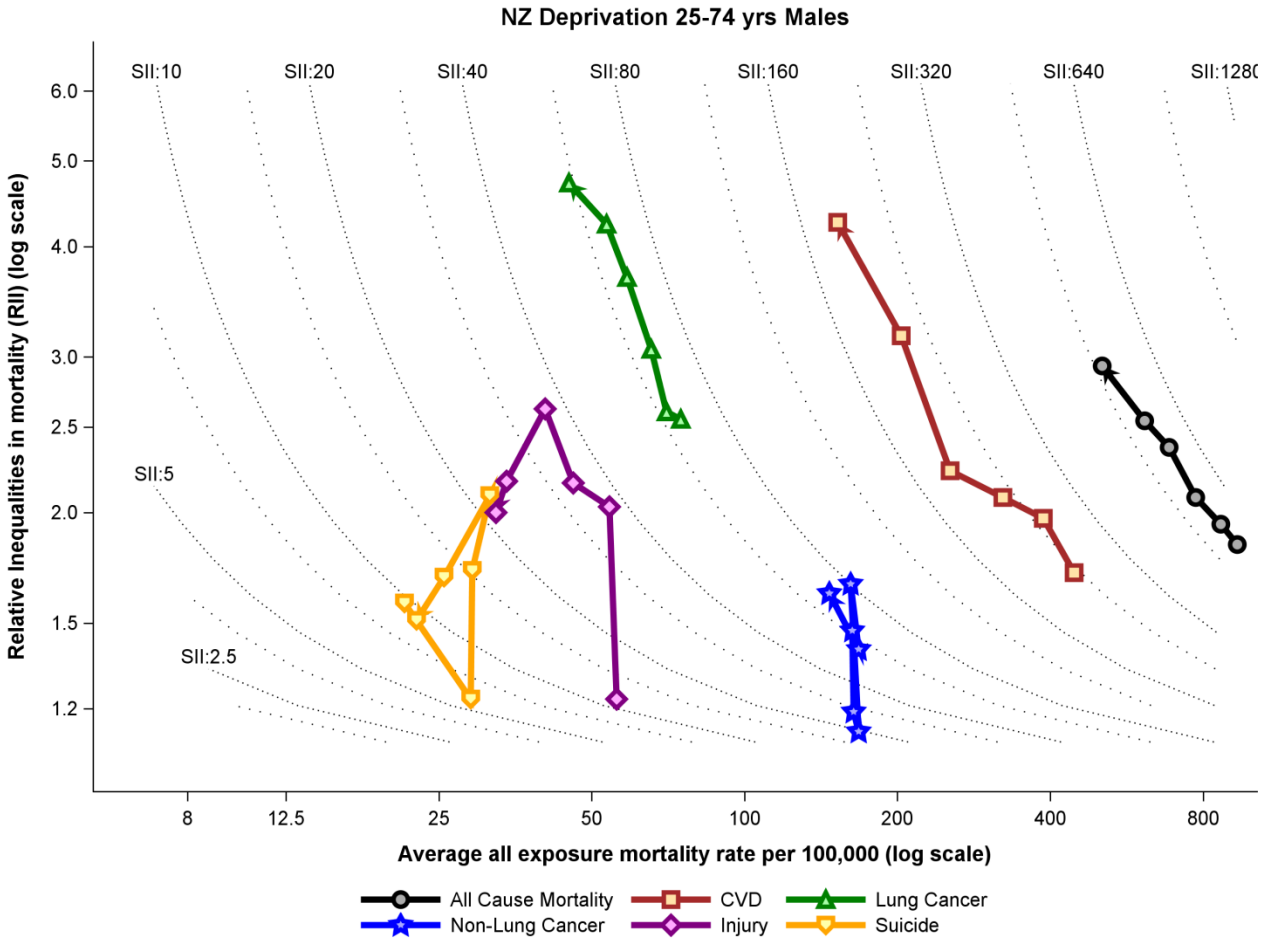


b) Females, 25-74 years of age, household income

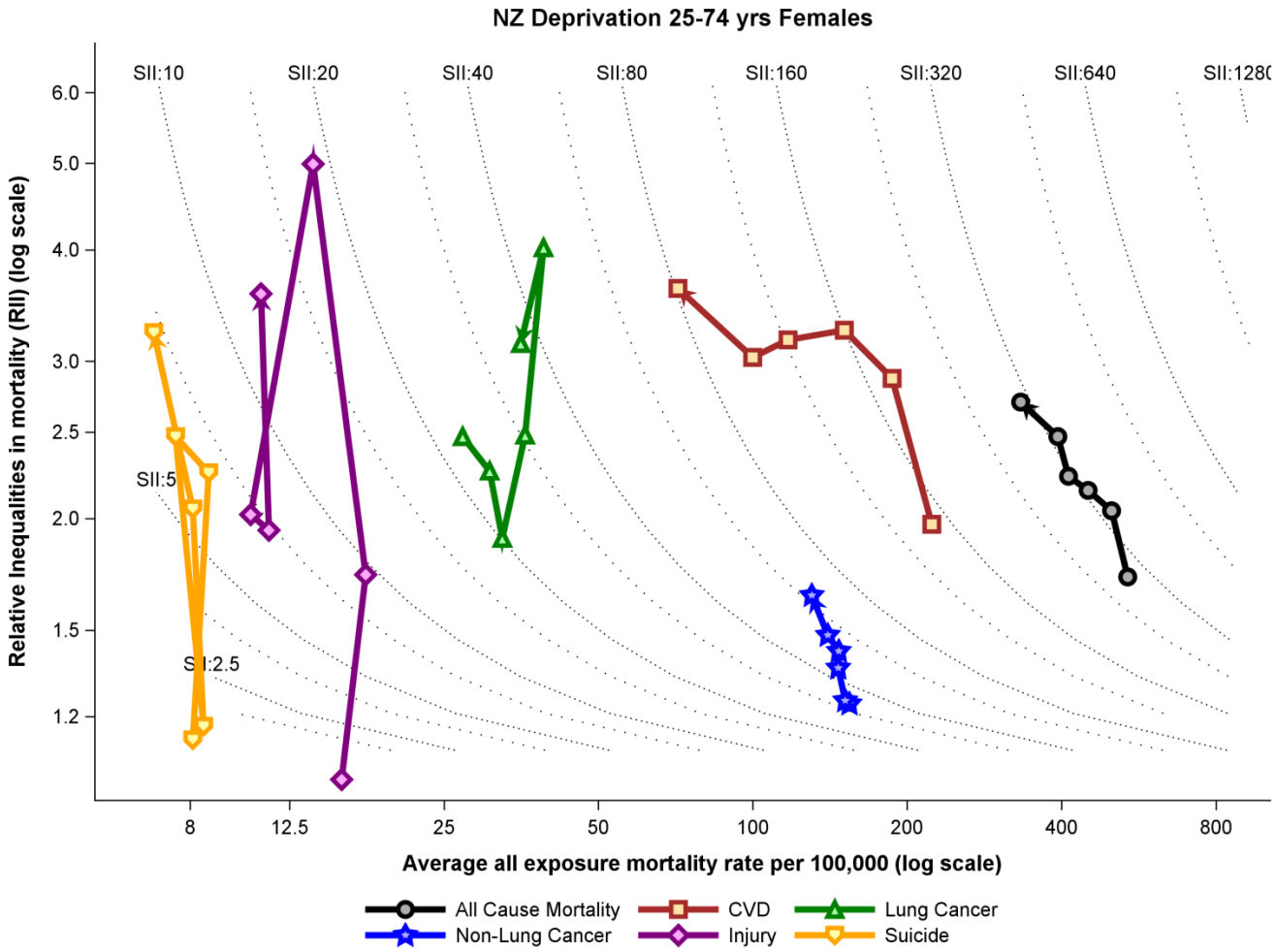


eFigure 6: Mortality inequality plots, by small area deprivation, for cause-specific mortality for NZ 1981-84 to 2006-11 The arrows denotes most recent cohort of data (2006-11).

a) Males, 25-74 years of age, small area deprivation



b) Females, 25-74 years of age, small area deprivation



eTable 1: All cause and cause-specific slope and relative indices of inequalities (SIIs per 100,000, RIIs) by income, New Zealand 1981 to 2011

Age and cause of death	Cohort	Males				Females			
		RII		SII		RII		SII	
All-cause, 25-74 yrs	1981-84	1.93	(1.73-2.16)	563	(345-780)	1.52	(1.30-1.78)	217	(115-319)
	1986-89	1.84	(1.61-2.10)	497	(445-548)	1.57	(1.32-1.86)	221	(205-238)
	1991-94	2.28	(2.00-2.60)	571	(518-624)	1.85	(1.59-2.15)	259	(215-303)
	1996-99	2.51	(2.22-2.83)	548	(514-583)	2.26	(1.96-2.60)	299	(249-349)
	2001-06	2.56	(2.32-2.82)	503	(350-655)	2.20	(1.98-2.44)	271	(229-312)
	2006-11	2.80	(2.57-3.05)	461	(352-570)	2.63	(2.39-2.90)	281	(226-336)
	Trend/10y	*1.17*	*(1.11-1.22)*	*0.3*	*(-56.0-56.6)*	*1.23*	*(1.17-1.30)*	*34.5*	*(15.4-53.6)*
	P trend	*<0.01*		*0.99*		*<0.01*		*0.02*	
All-cause by age									
All-cause, 25-44 yrs	1981-84	1.71	(1.24-2.34)	93	(15-171)	1.19	(0.84-1.68)	18	(-28-64)
	1986-89	1.49	(1.14-1.95)	71	(42-101)	1.53	(1.07-2.20)	40	(16-63)
	1991-94	2.36	(1.73-3.22)	134	(88-181)	2.15	(1.47-3.15)	58	(46-71)
	1996-99	2.31	(1.66-3.22)	124	(75-173)	2.77	(1.83-4.19)	72	(43-101)
	2001-06	2.76	(2.11-3.61)	131	(82-180)	2.58	(1.90-3.50)	64	(45-84)
	2006-11	2.90	(2.19-3.84)	111	(71-150)	3.29	(2.35-4.60)	65	(38-91)
	Trend/10y	*1.29*	*(1.15-1.45)*	*18.5*	*(-4.6-41.6)*	*1.44*	*(1.29-1.61)*	*12.0*	*(1.4-22.5)*
	P trend	*0.01*		*0.19*		*<0.01*		*0.09*	
All-cause, 45-64 yrs	1981-84	2.03	(1.73-2.39)	706	(246-1167)	1.84	(1.50-2.25)	353	(216-490)
	1986-89	2.18	(1.88-2.53)	681	(520-842)	2.10	(1.72-2.57)	411	(324-498)
	1991-94	2.44	(2.07-2.88)	661	(505-817)	2.95	(2.39-3.66)	490	(448-531)
	1996-99	3.64	(2.97-4.47)	770	(572-967)	2.55	(2.09-3.12)	388	(331-445)
	2001-06	3.44	(2.96-3.99)	669	(355-983)	2.77	(2.37-3.24)	386	(328-445)
	2006-11	4.23	(3.58-4.99)	648	(434-861)	3.59	(3.03-4.24)	388	(259-517)
	Trend/10y	*1.34*	*(1.24-1.45)*	*-5.6*	*(-59.3-48.1)*	*1.24*	*(1.12-1.37)*	*-36.3*	*(-110-36.9)*
	P trend	*<0.01*		*0.85*		*0.01*		*0.39*	
All-cause, 65-74 yrs	1981-84	1.96	(1.65-2.32)	2655	(1742-3567)	1.45	(1.16-1.81)	852	(345-1359)
	1986-89	1.56	(1.32-1.85)	1735	(1049-2421)	1.32	(1.07-1.63)	605	(449-761)
	1991-94	1.76	(1.51-2.06)	1879	(1293-2465)	1.28	(1.06-1.54)	473	(269-677)
	1996-99	1.64	(1.43-1.88)	1474	(717-2230)	1.68	(1.41-1.99)	924	(348-1500)
	2001-06	1.98	(1.77-2.21)	1726	(1580-1873)	1.66	(1.46-1.88)	806	(491-1120)
	2006-11	2.30	(2.06-2.58)	1643	(1422-1864)	2.04	(1.80-2.32)	938	(798-1078)
	Trend/10y	*1.11*	*(0.99-1.24)*	*-172*	*(-363-18.4)*	*1.18*	*(1.07-1.30)*	*162*	*(53.6-270)*
	P trend	*0.15*		*0.15*		*0.03*		*0.04*	
Cause-specific, 25-74 yrs									
CVD	1981-84	1.86	(1.60-2.16)	256	(149-363)	1.79	(1.40-2.30)	119	(95-142)
	1986-89	1.73	(1.40-2.16)	204	(175-234)	1.40	(0.97-2.02)	64	(16-113)
	1991-94	2.15	(1.77-2.61)	228	(209-248)	2.18	(1.57-3.03)	107	(90-124)
	1996-99	2.74	(2.23-3.37)	222	(212-232)	2.68	(2.01-3.58)	98	(76-121)
	2001-06	2.71	(2.26-3.23)	172	(119-226)	2.84	(2.20-3.67)	85	(73-98)
	2006-11	3.07	(2.60-3.62)	148	(106-190)	3.87	(2.93-5.11)	78	(63-92)
	Trend/10y	*1.23*	*(1.15-1.32)*	*-21.2*	*(-55.0-12.6)*	*1.36*	*(1.20-1.54)*	*-14.8*	*(-23.6--6.0)*
	P trend	*<0.01*		*0.29*		*<0.01*		*0.03*	
Lung cancer	1981-84	1.85	(1.28-2.67)	43	(25-61)	1.33	(0.70-2.52)	8	(-18-34)
	1986-89	3.13	(2.01-4.86)	68	(50-87)	2.00	(1.20-3.32)	20	(-1-40)
	1991-94	3.88	(2.31-6.50)	70	(58-81)	2.26	(1.26-4.03)	25	(-4-53)
	1996-99	2.75	(1.64-4.60)	51	(39-62)	4.61	(2.42-8.76)	42	(29-54)
	2001-06	4.57	(2.94-7.10)	61	(50-72)	2.44	(1.68-3.54)	29	(21-37)

Age and cause of death	Cohort	Males				Females			
		RII		SII		RII		SII	
	2006-11	2.75	(2.06-3.67)	41	(32-50)	2.50	(1.87-3.35)	29	(25-32)
	Trend/10y	*1.13*	*(0.89-1.44)*	*-6.7*	*(-18.4-5.1)*	*1.16*	*(0.91-1.47)*	*1.6*	*(-6.4-9.6)*
	P trend	*0.38*		*0.33*		*0.30*		*0.71*	
Non-lung cancer	1981-84	1.32	(1.04-1.68)	45	(27-64)	1.11	(0.88-1.41)	17	(-2-36)
	1986-89	1.29	(0.99-1.69)	44	(-0-88)	1.29	(1.09-1.53)	38	(11-66)
	1991-94	1.52	(1.24-1.86)	67	(50-85)	1.19	(1.00-1.42)	26	(9-42)
	1996-99	1.61	(1.34-1.94)	75	(59-91)	1.41	(1.15-1.74)	51	(26-76)
	2001-06	1.34	(1.16-1.55)	49	(28-71)	1.32	(1.15-1.51)	38	(23-53)
	2006-11	1.81	(1.61-2.04)	85	(82-88)	1.60	(1.42-1.79)	58	(47-70)
	Trend/10y	*1.11*	*(0.98-1.25)*	*14.6*	*(6.9-22.4)*	*1.12*	*(1.05-1.20)*	*14.2*	*(6.7-21.6)*
	P trend	*0.17*		*0.02*		*0.03*		*0.02*	
Unintentional injury	1981-84	1.78	(1.11-2.86)	32	(9-56)	1.71	(0.86-3.38)	9	(-8-26)
	1986-89	1.23	(0.87-1.75)	11	(4-19)	1.39	(0.75-2.59)	6	(0-11)
	1991-94	2.03	(1.25-3.30)	31	(8-53)	1.60	(0.70-3.69)	7	(-8-22)
	1996-99	1.66	(1.08-2.55)	20	(5-34)	1.79	(0.88-3.66)	6	(2-9)
	2001-06	2.17	(1.52-3.09)	25	(11-39)	1.61	(1.01-2.56)	5	(1-10)
	2006-11	1.83	(1.35-2.47)	18	(11-26)	1.79	(1.16-2.75)	6	(1-11)
	Trend/10y	*1.12*	*(0.94-1.32)*	*2.0*	*(-3.7-7.8)*	*1.05*	*(0.97-1.13)*	*-0.4*	*(-1.1-0.4)*
	P trend	*0.27*		*0.53*		*0.30*		*0.37*	
Suicide	1981-84	1.92	(0.92-4.02)	15	(-1-31)	0.67	(0.30-1.49)	-3	(-11-4)
	1986-89	1.88	(1.07-3.28)	18	(3-34)	2.95	(0.77-11.36)	11	(-3-25)
	1991-94	2.35	(1.26-4.36)	26	(14-38)	2.88	(0.75-11.01)	8	(-1-17)
	1996-99	2.80	(1.50-5.25)	30	(12-48)	2.41	(0.89-6.54)	8	(-4-19)
	2001-06	3.08	(1.92-4.92)	27	(19-35)	4.48	(1.67-12.01)	10	(8-13)
	2006-11	3.69	(2.23-6.10)	25	(12-38)	6.46	(2.00-20.83)	10	(1-19)
	Trend/10y	*1.32*	*(1.25-1.39)*	*3.8*	*(0.3-7.3)*	*2.21*	*(1.56-3.12)*	*4.5*	*(1.8-7.2)*
	P trend	*<0.01*		*0.10*		*0.01*		*0.03*	

Trend/10y = Ratio increase in RII over ten years, or absolute increase in SII over ten years, using weighted linear regression on the log of RII and identity link for SIIs.

eTable 2: 25-74 year old all-cause and cause-specific standardized mortality rates (per 100,000) for income quintiles

Cause of Death	Cohort	Standardised Rates per 100 000 (95% confidence intervals)					
		Lowest Income Quintile	Second Income Quintile	Middle Income Quintile	Fourth Income Quintile	Highest Income Quintile	
Equivalised Income (5 levels)	***25-74 yrs Males***						
All Cause Mortality	1981-84	1259.8 (1195 - 1325)	971.8 (923 - 1020)	940.2 (881 - 999)	798.8 (747 - 851)	690.6 (638 - 744)	
	1986-89	1074.9 (1022 - 1128)	980.3 (935 - 1025)	899.5 (855 - 944)	757.1 (710 - 804)	664.7 (568 - 761)	
	1991-94	973.3 (931 - 1016)	921.9 (880 - 964)	783.0 (744 - 822)	644.2 (596 - 692)	528.8 (463 - 595)	
	1996-99	876.9 (837 - 917)	794.4 (758 - 831)	698.9 (665 - 733)	560.8 (526 - 596)	445.3 (402 - 489)	
	2001-06	847.2 (822 - 872)	661.5 (636 - 687)	588.1 (558 - 618)	535.1 (509 - 562)	428.7 (400 - 457)	
	2006-11	718.9 (696 - 742)	560.1 (539 - 581)	486.5 (467 - 506)	385.3 (368 - 403)	330.9 (313 - 349)	
CVD	1981-84	600.9 (560 - 642)	462.4 (431 - 494)	453.0 (414 - 492)	387.6 (349 - 426)	337.7 (305 - 370)	
	1986-89	469.0 (435 - 503)	437.5 (410 - 465)	398.6 (371 - 427)	365.9 (329 - 403)	296.4 (219 - 374)	
	1991-94	411.8 (385 - 438)	377.3 (353 - 401)	343.4 (317 - 370)	277.3 (246 - 308)	230.3 (186 - 274)	
	1996-99	331.8 (308 - 356)	299.0 (278 - 320)	264.5 (244 - 285)	216.4 (194 - 239)	154.9 (128 - 182)	
	2001-06	280.3 (267 - 294)	220.6 (206 - 235)	193.5 (176 - 211)	166.7 (152 - 182)	139.1 (122 - 156)	
	2006-11	222.5 (210 - 235)	164.0 (152 - 176)	150.3 (139 - 161)	112.4 (103 - 122)	95.3 (85.3 - 105)	
Lung Cancer	1981-84	99.2 (84.0 - 115)	77.5 (64.6 - 90.4)	79.0 (64.0 - 94.0)	67.0 (52.9 - 81.1)	55.7 (38.8 - 72.6)	
	1986-89	99.0 (83.7 - 114)	79.3 (67.9 - 90.7)	79.4 (65.6 - 93.1)	56.7 (43.6 - 69.8)	39.4 (27.4 - 51.3)	
	1991-94	88.4 (76.3 - 101)	83.8 (72.3 - 95.3)	62.0 (50.8 - 73.1)	52.5 (37.6 - 67.4)	32.9 (23.7 - 42.1)	
	1996-99	77.7 (67.8 - 87.6)	68.8 (59.2 - 78.5)	60.1 (50.6 - 69.7)	43.5 (33.7 - 53.3)	38.5 (18.5 - 58.6)	
	2001-06	76.3 (69.5 - 83.1)	59.8 (52.5 - 67.1)	56.7 (47.3 - 66.1)	40.8 (34.2 - 47.4)	29.2 (22.5 - 36.0)	
	2006-11	63.5 (57.0 - 70.0)	49.2 (43.2 - 55.1)	46.7 (40.5 - 52.9)	36.7 (31.0 - 42.4)	27.9 (22.0 - 33.9)	
Non-Lung Cancer	1981-84	179.4 (157 - 202)	183.3 (162 - 205)	160.5 (141 - 180)	158.2 (136 - 181)	146.9 (116 - 178)	
	1986-89	190.8 (170 - 212)	184.5 (167 - 202)	183.4 (165 - 202)	145.7 (129 - 162)	163.1 (116 - 210)	
	1991-94	185.2 (168 - 203)	191.1 (175 - 208)	170.7 (157 - 185)	157.7 (140 - 176)	136.8 (109 - 165)	
	1996-99	191.5 (176 - 207)	175.9 (161 - 191)	174.0 (159 - 189)	146.9 (131 - 163)	132.7 (111 - 154)	
	2001-06	198.6 (187 - 210)	181.9 (169 - 195)	169.8 (155 - 185)	161.9 (149 - 175)	158.0 (140 - 176)	
	2006-11	181.1 (170 - 192)	167.0 (156 - 178)	149.7 (140 - 159)	130.7 (122 - 140)	113.7 (104 - 123)	
Injury	1981-84	80.9 (57.8 - 104)	63.9 (47.7 - 80.2)	59.1 (46.0 - 72.1)	44.6 (34.6 - 54.6)	50.6 (34.1 - 67.1)	

Cause of Death	Cohort	Standardised Rates per 100 000 (95% confidence intervals)					
		Lowest Income Quintile	Second Income Quintile	Middle Income Quintile	Fourth Income Quintile	Highest Income Quintile	
	1986-89	57.9 (43.4 - 72.5)	53.5 (41.0 - 66.1)	54.8 (43.5 - 66.1)	53.6 (42.9 - 64.3)	46.8 (36.9 - 56.7)	
	1991-94	49.5 (39.2 - 59.8)	62.4 (45.7 - 79.2)	51.2 (41.1 - 61.3)	35.6 (26.6 - 44.7)	34.9 (22.0 - 47.7)	
	1996-99	53.8 (39.9 - 67.7)	38.3 (28.2 - 48.5)	43.4 (32.7 - 54.2)	36.5 (27.7 - 45.3)	33.6 (25.8 - 41.4)	
	2001-06	47.2 (39.9 - 54.5)	32.6 (25.9 - 39.3)	36.7 (28.4 - 45.0)	35.8 (29.2 - 42.4)	24.9 (20.8 - 29.0)	
	2006-11	41.7 (35.8 - 47.6)	34.1 (28.7 - 39.6)	29.8 (24.5 - 35.1)	27.3 (22.5 - 32.1)	25.9 (20.3 - 31.5)	
Suicide	1981-84	37.3 (17.4 - 57.2)	24.9 (15.5 - 34.3)	20.4 (12.7 - 28.1)	25.8 (18.5 - 33.2)	17.4 (10.9 - 23.9)	
	1986-89	37.4 (25.6 - 49.2)	39.9 (25.3 - 54.4)	24.9 (17.9 - 31.8)	29.6 (21.9 - 37.3)	23.3 (17.4 - 29.2)	
	1991-94	39.0 (27.5 - 50.5)	45.9 (30.8 - 61.1)	33.1 (23.2 - 43.0)	28.0 (20.4 - 35.6)	22.8 (14.8 - 30.7)	
	1996-99	51.0 (34.0 - 68.0)	34.0 (24.2 - 43.9)	29.9 (22.2 - 37.6)	32.0 (25.1 - 38.8)	20.2 (14.8 - 25.7)	
	2001-06	40.6 (33.3 - 47.9)	30.5 (24.0 - 37.0)	26.9 (20.4 - 33.4)	26.3 (21.0 - 31.6)	18.0 (14.6 - 21.5)	
	2006-11	37.3 (31.1 - 43.5)	24.6 (19.8 - 29.5)	19.3 (15.4 - 23.2)	16.5 (12.9 - 20.1)	14.8 (11.2 - 18.4)	
Equivalised Income (5 levels)		***25-74 yrs Females***					
All Cause Mortality	1981-84	642.8 (607 - 679)	548.8 (512 - 586)	497.3 (455 - 540)	513.7 (453 - 574)	434.3 (372 - 497)	
	1986-89	584.0 (552 - 616)	556.1 (523 - 589)	506.4 (474 - 539)	454.9 (419 - 490)	408.9 (319 - 499)	
	1991-94	533.7 (506 - 561)	506.1 (480 - 532)	432.6 (407 - 459)	403.3 (365 - 442)	324.6 (270 - 379)	
	1996-99	504.0 (479 - 529)	456.0 (432 - 480)	395.5 (372 - 419)	361.3 (332 - 391)	259.7 (223 - 297)	
	2001-06	463.9 (449 - 479)	436.8 (417 - 457)	361.4 (339 - 383)	329.6 (309 - 351)	271.3 (249 - 293)	
	2006-11	439.0 (424 - 454)	341.1 (325 - 357)	296.6 (283 - 311)	253.8 (240 - 268)	207.8 (193 - 222)	
CVD	1981-84	263.6 (243 - 284)	235.6 (211 - 261)	200.5 (173 - 228)	192.3 (158 - 227)	163.6 (127 - 201)	
	1986-89	233.2 (214 - 252)	205.4 (187 - 224)	180.5 (161 - 201)	168.3 (144 - 193)	181.9 (97.4 - 266)	
	1991-94	183.0 (168 - 198)	172.6 (158 - 188)	150.5 (134 - 167)	130.5 (105 - 156)	97.5 (56.5 - 139)	
	1996-99	141.8 (129 - 155)	131.9 (119 - 145)	114.7 (101 - 128)	99.6 (81.8 - 117)	63.0 (46.6 - 79.4)	
	2001-06	118.2 (111 - 126)	111.9 (101 - 122)	95.8 (83.4 - 108)	81.5 (69.2 - 93.9)	58.1 (47.7 - 68.6)	
	2006-11	100.7 (93.3 - 108)	73.8 (65.9 - 81.7)	62.5 (55.5 - 69.6)	48.9 (42.3 - 55.6)	37.1 (30.6 - 43.7)	
Lung Cancer	1981-84	28.8 (21.7 - 35.8)	26.7 (16.7 - 36.7)	31.9 (19.0 - 44.8)	36.4 (21.5 - 51.4)	16.4 (8.7 - 24.1)	
	1986-89	35.2 (27.4 - 43.0)	30.1 (23.2 - 37.1)	37.4 (26.4 - 48.4)	29.4 (20.8 - 38.0)	16.0 (10.3 - 21.8)	
	1991-94	36.5 (29.9 - 43.0)	42.6 (34.7 - 50.5)	29.9 (23.5 - 36.4)	38.8 (21.7 - 55.9)	14.8 (9.7 - 19.9)	

		Standardised Rates per 100 000 (95% confidence intervals)					
Cause of Death	**Cohort**	**Lowest Income Quintile**	**Second Income Quintile**	**Middle Income Quintile**	**Fourth Income Quintile**	**Highest Income Quintile**
	1996-99	47.6 (40.5 - 54.7)	43.5 (36.1 - 50.9)	37.5 (28.8 - 46.1)	20.6 (14.2 - 27.0)	18.0 (11.5 - 24.5)
	2001-06	43.5 (39.0 - 47.9)	43.8 (37.3 - 50.3)	34.3 (26.6 - 42.0)	33.0 (26.3 - 39.7)	23.6 (16.9 - 30.4)
	2006-11	44.3 (39.8 - 48.8)	38.5 (33.1 - 43.8)	32.6 (27.9 - 37.3)	29.0 (24.2 - 33.8)	20.6 (15.6 - 25.6)
Non-Lung Cancer	1981-84	167.3 (150 - 185)	168.5 (151 - 186)	151.9 (132 - 172)	154.5 (135 - 174)	156.8 (119 - 194)
	1986-89	159.6 (144 - 175)	164.3 (147 - 181)	164.5 (149 - 180)	140.4 (127 - 154)	134.5 (116 - 153)
	1991-94	152.9 (139 - 166)	161.4 (148 - 175)	145.9 (133 - 158)	142.9 (127 - 159)	136.4 (114 - 159)
	1996-99	168.0 (155 - 181)	156.9 (143 - 171)	150.1 (137 - 163)	151.4 (135 - 167)	122.3 (93.3 - 151)
	2001-06	147.7 (140 - 156)	152.5 (141 - 164)	138.6 (126 - 151)	135.4 (124 - 147)	122.7 (109 - 136)
	2006-11	149.7 (141 - 158)	139.7 (130 - 149)	119.8 (112 - 128)	114.2 (106 - 123)	105.2 (95.4 - 115)
Injury	1981-84	26.0 (17.0 - 35.0)	14.0 (9.4 - 18.7)	16.4 (11.3 - 21.4)	10.6 (6.3 - 14.9)	17.7 (9.0 - 26.5)
	1986-89	19.0 (11.4 - 26.6)	18.3 (10.9 - 25.8)	19.4 (12.6 - 26.3)	17.9 (11.3 - 24.4)	13.5 (8.7 - 18.3)
	1991-94	18.7 (13.6 - 23.9)	18.4 (10.2 - 26.6)	9.6 (6.0 - 13.2)	19.2 (9.8 - 28.6)	10.9 (2.0 - 19.8)
	1996-99	13.5 (7.9 - 19.1)	10.2 (6.6 - 13.8)	9.9 (6.5 - 13.3)	8.4 (4.7 - 12.2)	8.6 (4.7 - 12.4)
	2001-06	14.1 (11.2 - 17.0)	11.8 (8.5 - 15.2)	9.0 (6.0 - 11.9)	9.7 (6.7 - 12.7)	10.0 (7.0 - 13.0)
	2006-11	14.0 (11.5 - 16.5)	9.4 (7.3 - 11.5)	10.6 (7.7 - 13.5)	8.6 (6.1 - 11.1)	8.8 (6.0 - 11.6)
Suicide	1981-84	8.4 (4.5 - 12.3)	7.0 (3.9 - 10.1)	5.3 (2.6 - 8.0)	11.6 (5.5 - 17.8)	9.2 (5.9 - 12.5)
	1986-89	10.5 (6.5 - 14.6)	19.3 (6.9 - 31.6)	10.0 (4.0 - 16.0)	10.2 (6.3 - 14.0)	5.2 (2.4 - 8.0)
	1991-94	14.7 (4.8 - 24.5)	7.7 (4.0 - 11.4)	5.5 (3.1 - 7.8)	7.9 (3.9 - 12.0)	6.0 (3.2 - 8.9)
	1996-99	16.2 (9.6 - 22.8)	8.4 (4.4 - 12.3)	7.2 (3.5 - 10.9)	5.4 (2.2 - 8.6)	9.3 (4.1 - 14.4)
	2001-06	12.0 (9.0 - 15.0)	11.6 (7.3 - 16.0)	8.1 (4.8 - 11.4)	6.7 (4.1 - 9.2)	4.8 (3.3 - 6.3)
	2006-11	12.1 (9.1 - 15.1)	4.7 (3.2 - 6.2)	8.6 (6.1 - 11.2)	2.9 (1.7 - 4.0)	3.7 (2.2 - 5.2)