

Supplementary Table 1: Slope index of inequality coefficients for FVC (litres) by social class adjusting for covariates in men and women by age group in the 2003 Scottish Health Survey ($N=7,928$)

Age	Model	Males			%	Females			%
		SII ^a coeff	95% CI		explained	SII ^a coeff	95% CI		explained
18 to 39		<i>n</i> = 1046				<i>n</i> = 1340			
	Survey year, age ^b	-0.29	-0.82	0.24	-	-0.18	-0.38	0.02	-
	Height ^c , parental social class	-0.20	-0.68	0.27	30	-0.06	-0.39	0.27	67
	Smoking	-0.27	-0.82	0.27	6	-0.15	-0.36	0.05	14
	Physical activity, weight	-0.29	-0.83	0.26	2	-0.19	-0.40	0.02	-6
	Second-hand smoke, urban/rural area	-0.30	-0.72	0.12	-2	-0.20	-0.42	0.02	-12
	All ^d	-0.24	-0.65	0.18	19	-0.07	-0.40	0.27	62
40 to 64		<i>n</i> = 1616				<i>n</i> = 2015			
	Survey year, age ^b	-0.52	-0.80	-0.25	-	-0.37	-0.58	-0.16	-
	Height ^c , parental social class	-0.11	-0.70	0.47	78	-0.22	-0.55	0.11	40
	Smoking	-0.47	-0.75	-0.19	10	-0.33	-0.52	-0.14	11
	Physical activity, weight	-0.52	-0.80	-0.24	1	-0.33	-0.54	-0.13	9
	Second-hand smoke, urban/rural area	-0.44	-0.72	-0.15	17	-0.34	-0.54	-0.14	7
	All ^d	-0.04	-0.62	0.53	92	-0.15	-0.46	0.16	60
65 and over		<i>n</i> = 837				<i>n</i> = 1074			
	Survey year, age ^b	-0.54	-1.12	0.04	-	-0.24	-0.79	0.31	-
	Height ^c , parental social class	-0.41	-1.22	0.40	24	-0.25	-1.00	0.50	-2
	Smoking	-0.50	-1.07	0.07	8	-0.23	-0.79	0.33	5
	Physical activity, weight	-0.52	-1.10	0.06	4	-0.22	-0.77	0.34	11
	Second-hand smoke, urban/rural area	-0.43	-1.08	0.21	20	-0.22	-0.74	0.29	8
	All ^d	-0.34	-1.41	0.72	36	-0.21	-0.99	0.57	13

a SII: slope index of inequality representing the difference in FVC (in litres) of the most disadvantaged and most advantaged individuals according to social class; b Includes quadratic term for age; c Includes quadratic term for height; d All covariates: Survey year, age, height, parental social class, smoking, physical activity, weight, second-hand smoke and urban/rural area.