

APPENDIX

Full Regression Models

Table A1: Multinomial Logistic Regression Modelsof Self-assessed Health, with all independent variables and Wald coefficients⁺

	Model A				Model B				Model C				Model D			
	Poor		Fair		Poor		Fair		Poor		Fair		Poor		Fair	
Social factors	beta	Wald	beta	Wald	beta	Wald	beta	Wald	beta	Wald	beta	Wald	beta	Wald	beta	Wald
Age in years	0.038 ^{***}	31.7	0.029 ^{***}	52.1	0.038 ^{***}	57.2	0.030 ^{***}	51.4	0.047 ^{***}	83.4	0.032 ^{***}	57.6	0.048 ^{***}	85.5	0.032 ^{***}	58.9
Gender ^a	-0.262 ^{**}	8.9	-0.124	3.2	-0.292 ^{**}	10.1	-0.121	2.9	-0.120	1.6	-0.065	0.8	-0.118	1.5	-0.065	0.8
Religion ^b	0.282 ^{***}	10.3	0.205 ^{**}	8.5	0.291 ^{***}	10.4	0.196 ^{**}	7.5	0.192 [*]	4.2	0.155 [*]	4.6	0.053	0.2	0.091	1.2
Education ^c	-0.232 [*]	4.8	-0.143	3.5	-0.200	3.5	-0.137	3.1	-0.240 [*]	4.7	-0.148	3.6	-0.203	3.3	-0.139	3.2
Class ^d	-0.703 ^{***}	55.0	-0.275 ^{***}	14.7	-0.648 ^{***}	45.8	-0.248 ^{***}	11.8	-0.754 ^{***}	56.9	-0.286 ^{***}	15.3	-0.715 ^{***}	50.0	-0.262 ^{***}	12.6
Relative affluence ^e	-0.921 ^{***}	69.1	-0.348 ^{***}	18.3	-0.814 ^{***}	52.0	-0.314 ^{***}	14.4	-0.888 ^{***}	57.5	-0.349 ^{***}	17.6	-0.825 ^{***}	48.4	-0.323 ^{***}	14.6
Married ^f	0.571	3.7	0.117	0.3	0.571	3.6	0.135	0.4	0.503	2.5	0.135	0.4	0.564	3.1	0.102	0.2
Divorced/Sepa rated ^f	0.868 ^{***}	25.8	0.261	3.1	0.821 ^{***}	22.5	0.233	2.4	0.411 [*]	5.2	0.103	0.5	0.368 [*]	4.1	0.076	0.2
Widowed ^f	0.236	1.1	0.139	0.5	0.282	1.6	0.157	0.7	0.124	0.3	0.127	0.4	0.100	0.2	0.114	0.3
Lives alone	0.297	0.2	0.178	1.6	0.273	2.6	0.156	1.3	0.114	0.4	0.090	0.4	0.092	0.3	0.101	0.5
Room density	0.035	0.1	0.038	0.2	-0.009	0.0	0.029	0.1	-0.009	0.0	0.017	0.0	-0.058	0.2	0.006	0.0
Interaction, age & married	-0.002	0.1	0.000	0.0	-0.001	0.0	-0.001	0.0	-0.003	0.2	-0.001	0.1	-0.004	0.3	-0.001	0.0
Behaviour factors																
Never smoked ^g					-0.659 ^{***}	24.4	-0.390 ^{***}	14.4	-0.605 ^{***}	19.1	-0.366 ^{***}	12.4	-0.560 ^{***}	16.2	-0.350 ^{***}	11.3
Stopped smoking ^g					-0.435 ^{***}	10.4	-0.310 ^{**}	8.6	-0.424 ^{**}	9.2	-0.295 ^{**}	7.6	-0.385 ^{**}	7.5	-0.283 ^{**}	7.0
Heavy smoker ^g					0.062	0.2	-0.168	2.2	0.286 [*]	3.9	0.088	0.6	0.256	3.1	-0.103	0.8
Does not drink ^h					0.580 ^{***}	30.3	0.218 [*]	6.0	0.495 ^{***}	20.4	0.203 [*]	5.1	0.485 ^{***}	19.4	0.188 [*]	4.3
Heavy drinker ^h					0.328	1.5	0.205	1.0	-0.075	0.1	0.075	0.1	0.011	0.0	0.115	0.3

Table A1 continued	Model C				Model D				
	Poor		Fair		Poor		Fair		
	beta	Wald	beta	Wald	beta	Wald	beta	Wald	
Risk factors									
Risks at home ^l	0.213 ^{***}	13.0	0.147 ^{**}	9.1	0.204 ^{***}	11.7	0.153 ^{**}	9.7	
Reported stress ^k	1.573 ^{***}	272.1	0.510 ^{***}	47.1	1.565 ^{***}	266.1	0.512 ^{***}	47.1	
Area factors									
Rurality index					-0.001	0.6	-0.001	0.4	
Income score					0.008	1.0	0.005	0.6	
Employment score					0.013	0.4	0.008	0.2	
Education score					0.019	0.1	0.011	0.0	
Access score					0.103	1.3	0.145 [*]	4.6	
Social environment					0.113	1.7	0.016	0.1	
Housing score					-1.909 [*]	4.1	-1.545 [*]	4.5	

^a Male

^b Catholics compared with all others

^c Possessing an A-level or higher qualification

^d Non-manual

^e Living in a household with an income of £15,000 or more.

^f Comparator is single.

^g Comparator is 'moderate' (less than 19 cigarettes/day) smoking.

^h Comparator is drinking less than excessive amounts (35 units/week if female, 50 units/week if male).

ⁱ Number of types of risk reported in home.

^j Number of types of risk reported at work.

^k Reporting being under 'a lot' or 'a great deal' of stress in the last 12 months.

⁺ A positive sign indicates greater likelihood of self-assessed 'poor' or 'fair' health. The contrasting category is those who assess their health as 'good'.

*** = $p < 0.001$

** = $p < 0.01$

* = $p < 0.05$

Table A2: Regression Models of GHQ12 Scores, all variables

	Model A	Model B	Model C	Model D
Social factors				
Age in years	-0.018	-0.130 ^{***}	-0.090 [*]	-0.090 ^{***}
Gender ^a	-0.091 ^{***}	-0.112 ^{***}	-0.099 ^{***}	-0.100 ^{***}
Religion ^b	0.023	0.021	0.007	-0.001
Education ^c	0.002	0.024	0.013	0.012
Class ^d	-0.002	0.037 [*]	0.041 ^{**}	0.040 ^{**}
Relative affluence ^e	-0.116 ^{***}	-0.076 ^{**}	-0.027	-0.026
Married ^f	0.160 ^{***}	0.087	0.128 ^{***}	0.136 ^{***}
Divorced/Separated ^f	0.141 ^{***}	0.138 ^{***}	0.050 ^{***}	0.050 ^{***}
Widowed ^f	0.042	0.057 [*]	0.035	0.035
Interaction, age & married	-0.079	0.053	-0.044	-0.048
Health and social contact factors				
Sedentary		0.188 ^{***}	0.076 ^{***}	0.075 ^{***}
Physically active		-0.041 ^{**}	-0.038 ^{**}	-0.038 ^{**}
Lives alone		0.038	0.012	0.010
Social support		-0.188 ^{***}	-0.140 ^{***}	-0.141 ^{***}
Contact with people ^g		0.026	-0.013	-0.012
Community activities ^h		-0.080 ^{**}	-0.072 ^{**}	-0.074 ^{**}
Stress-related factors				
Affected by troubles ⁱ			0.058 ^{***}	0.056 ^{***}
Local area bad ^j			0.041 ^{**}	0.044 ^{***}
Neighbourhood violent ^k			0.029 [*]	0.023
Health events ^l			0.104 ^{***}	0.104 ^{***}
Stressful family events ^m			0.159 ^{***}	0.159 ^{***}
General stressful events ⁿ			0.130 ^{***}	0.130 ^{***}
Area factors				
Rurality index				0.004
Income score				-0.003
Employment score				0.021
Education score				-0.032
Access score				-0.008
Social environment				0.035
Housing score				-0.019

^a Male

^b Catholics compared with all others

^c Possessing an A-level or higher qualification

^d Non-manual

^e Living in a household with an income of £15,000 or more.

^f Comparator is single.

^g Count of the number of different types of social contacts with relatives or neighbours.

^h Count of the number of different types of activities in the community that the respondent is involved in.

ⁱ Respondent states that their and their family's lives have been affected by the Troubles 'quite a bit' or 'a lot'.

^j Index of reported bad features of local area.

^k Index of reported types of violence or threat in neighbourhood.

^l Serious illness or death of a family member or friend in last 12 months.

^m Count of the number of different types of serious family-related disputes or events in the last 12 months.

ⁿ Other major traumatic events experienced by respondent and not covered by the above.

*** = $p < 0.00$

** = $p < 0.01$

* = $p < 0.05$

Table A3: Logistic Regression Models of having a Limiting Long-standing Illness, with all independent variables and Wald coefficients

Social factors	Model A		Model B		Model C	
	Beta	Wald	Beta	Wald	beta	Wald
Age in years	0.042***	258.4	0.041***	229.8	0.042***	234.7
Gender ^a	-0.075	1.1	-0.087	1.3	-0.080	1.1
Religion ^b	0.270***	13.7	0.269***	13.0	0.189*	4.7
Education ^c	-0.364***	17.2	-0.350***	15.7	-0.321***	13.1
Class ^d	-0.377***	24.3	-0.343***	19.8	-0.324***	17.1
Relative affluence ^e	-0.818***	85.3	-0.763***	71.5	-0.728***	63.1
Married ^f	0.178	3.0	0.201	3.6	0.229*	4.6
Divorced/Separated ^f	0.515***	13.8	0.500***	12.7	0.459***	10.5
Widowed ^f	0.094	0.4	0.113	0.5	0.092	0.4
Behaviour factors						
Never smoked ^g			-0.306***	7.6	-0.277**	6.1
Stopped smoking ^g			-0.178	2.5	-0.155	1.9
Heavy smoker ^g			0.057	0.2	0.029	0.1
Does not drink ^h			0.378***	19.1	0.374***	18.6
Heavy drinker ^h			0.392	3.1	0.431	3.7
Area factors						
Rurality index					-0.001	1.2
Income score					0.007	1.4
Employment score					-0.014	0.6
Education score					0.035	0.3
Access score					0.039	0.3
Social environment					0.148*	4.7
Housing score					-1.008	1.8

^a Male

^b Catholics compared with all others

^c Possessing an A-level or higher qualification

^d Non-manual

^e Living in a household with an income of £15,000 or more.

^f Comparator is single.

^g Comparator is 'moderate' (less than 19 cigarettes/day) smoking.

^h Comparator is drinking less than excessive amounts (35 units/week if female, 50 units/week if male).

+ A positive sign indicates greater likelihood of having a limiting long-standing illness.

*** = p < 0.001

** = p < 0.01

* = p < 0.05

All other figures are not significant.