

Appendix C. Selected regression models for Glasgow sample only

As stated in the previous appendix, a series of additional models was run for the Glasgow sample only. This was to show which characteristics of the sample were significantly associated with differences in the outcomes (survey questions) within a specifically Glasgow context.

This appendix only includes the results of those models described in the report. Results of other models based on the Glasgow sample (but not described in the report) are available on request.

The methodological details for the Glasgow sample modelling are identical to those described in Appendix B.

Sense of Coherence (SoC-13)

Multivariate linear regression analysis of the factors associated with:

Sense of Coherence (SoC) (Glasgow respondents only)

Variable/category	Adjusted Mean ¹	$\Delta\mu^2$ (95% conf. ints)	t statistic	Significance ³
Length of residence				
Time in city not known†	72.56			
Possibly long-term resident	69.10	-3.47 (-5.00 to -1.93)	-4.42	****
Deprivation quintile				
1 (Most deprived)†	72.56			
5 (Least deprived)	75.14	2.58 (0.87 to 4.29)	2.96	**
Employment status				
Employed (pt & ft)†	72.56			
Unemployed	63.94	-8.62 (-10.85 to -6.40)	-7.60	****
Ill/disabled	61.73	-10.83 (-13.88 to -7.79)	-6.98	****
Looking after home/family	67.74	-4.83 (-7.41 to -2.24)	-3.66	***
Self-assessed health				
Good/very good†	72.56			
Fair	67.34	-5.22 (-7.22 to -3.22)	-5.13	****
Bad/very bad	67.75	-4.82 (-7.48 to -2.15)	-3.54	***
Socio-economic group				
A (higher managerial/admin/prof) and B (intermed managerial/admin/prof)†	72.56			
D (Semi-skilled/unskilled manual)	70.54	-2.02 (-3.77 to -0.28)	-2.28	*
Age group				
16-29†	72.56			
65+	75.51	2.95 (0.86 to 5.04)	2.77	**

Notes

1. Mean predicted by full fitted model

2. Difference in mean compared to reference category after adjustment for other factors in the model

3. Significance level: * = p<0.05; ** = p<0.01; *** = p<0.001; **** = p<0.0001

† Reference category of variable

Social Capital

Multivariate logistic regression analysis of the factors associated with:

no-one to ask for help (shopping/advice/support/to borrow money)
(Glasgow respondents only)

Variable/category	Wald statistic	Significance ¹	Odds ratio (95% conf. ints.)
Employment status	24.49	***	
Employed (PT/FT) [†]			1.00
Unemployed	4.78	*	2.21 (1.09 to 4.51)
Ill/disabled	2.04		1.95 (0.78 to 4.89)
Retired	0.59		1.37 (0.61 to 3.05)
Looking after home/family	17.39	****	4.26 (2.16 to 8.43)
In education/training (PT/FT)	15.18	****	3.70 (1.92 to 7.16)
Longterm limiting illness (LLI)	7.68	*	
None [†]			1.00
Limited a little	0.94		1.44 (0.69 to 2.98)
Limited a lot	7.67	**	2.92 (1.37 to 6.22)
Length of residence	5.84	*	
Time in city not known [†]			1.00
Possibly long-term resident	5.84	*	0.53 (0.32 to 0.89)

Notes

1. Significance level: * = p<0.05; ** = p<0.01; *** = p<0.001; **** = p<0.0001

[†] Reference category of variable

Multivariate logistic regression analysis of the factors associated with:

volunteered in last 12 months trusted (Glasgow respondents only)

Variable/category	Wald statistic	Significance ¹	Odds ratio (95% conf. ints.)
Gender	8.38	**	
Male†			1.00
Female	8.38	**	2.06 (1.26 to 3.35)
Age group	10.13	*	
16-29†			1.00
30-44	0.37		1.22 (0.64 to 2.33)
45-64	6.61	*	2.19 (1.20 to 3.97)
65+	0.06		0.90 (0.38 to 2.13)
Socio-economic group	14.29	**	
A (higher managerial/admin/prof) and B (intermed managerial/admin/prof)†			1.00
C1 (supervisory, clerical, junior managerial/ admin/ prof)	0.31		1.20 (0.63 to 2.31)
C2 (skilled manual)	1.29		0.64 (0.29 to 1.39)
D (semi-skilled/ unskilled manual)	4.54	*	0.41 (0.18 to 0.93)
E (on state benefit/ unemployed/ lowest grade workers)	3.80		0.41 (0.17 to 1.01)
Longterm limiting illness (LLI)	10.04	**	
None†			1.00
Limited a little	9.55	**	2.89 (1.47 to 5.65)
Limited a lot	2.32		2.29 (0.79 to 6.64)
Self-assessed health	6.61	*	
Good/very good†			1.00
Fair	0.79		0.74 (0.37 to 1.45)
Bad/very bad	6.54	*	0.16 (0.04 to 0.65)

Notes

1. Significance level: * = p<0.05; ** = p<0.01; *** = p<0.001; **** = p<0.0001

† Reference category of variable

Multivariate logistic regression analysis of the factors associated with:

no religious affiliation (Glasgow respondents only)

Variable/category	Wald statistic	Significance ¹	Odds ratio (95% conf. ints.)
Gender	11.99	***	
Male†			1.00
Female	11.99	***	0.65 (0.50 to 0.83)
Age group	44.79	****	
16-29†			1.00
30-44	1.73		0.79 (0.56 to 1.12)
45-64	19.06	****	0.43 (0.29 to 0.63)
65+	36.19	****	0.19 (0.11 to 0.33)
Ethnicity	38.07	****	
Not a member of ethnic minority group†			1.00
Member of ethnic minority group	38.07	****	0.18 (0.10 to 0.31)
Socio-economic group	14.61	**	
A (higher managerial/admin/prof) and B (intermed managerial/admin/prof)†			1.00
C1 (supervisory, clerical, junior managerial/ admin/ prof)	0.66		1.20 (0.78 to 1.84)
C2 (skilled manual)	3.30		1.52 (0.97 to 2.39)
D (semi-skilled/ unskilled manual)	4.95	*	1.68 (1.06 to 2.67)
E (on state benefit/ unemployed/ lowest grade workers)	10.25	**	2.21 (1.36 to 3.58)
Marital status	14.37	**	
Never married†			1.00
Married/civil partnership	10.29	**	0.59 (0.43 to 0.81)
Separated/divorced	1.71		0.74 (0.47 to 1.16)
Widowed/surviving partner	0.41		1.22 (0.66 to 2.27)

Notes

1. Significance level: * = p<0.05; ** = p<0.01; *** = p<0.001; **** = p<0.0001

† Reference category of variable

Multivariate logistic regression analysis of the factors associated with:

belief that most people can be trusted (Glasgow respondents only)

Variable/category	Wald statistic	Significance ¹	Odds ratio (95% conf. ints.)
Marital status	13.84	**	
Never married†			1.00
Married/civil partnership	12.91	***	1.76 (1.29 to 2.39)
Separated/divorced	4.92	*	1.71 (1.06 to 2.74)
Widowed/surviving partner	1.63		1.43 (0.83 to 2.48)
Educational attainment	10.82	**	
No qualifications†			1.00
Some qualifications, but not degree level	0.01		0.98 (0.71 to 1.36)
1st degree and above (includes NVQ/SVQ Level 5 or equivalent)	7.84	**	1.86 (1.20 to 2.87)

Notes

1. Significance level: * = p<0.05; ** = p<0.01; *** = p<0.001; **** = p<0.0001

† Reference category of variable

Multivariate logistic regression analysis of the factors associated with:

belief that most people in neighbourhood care
(Glasgow respondents only)

Variable/category	Wald statistic	Significance ¹	Odds ratio
Socio-economic group	10.33	*	
A (higher managerial/admin/prof) and B (intermed managerial/admin/prof)†			1.00
C1 (supervisory, clerical, junior managerial/ admin/ prof)	0.01		0.97
C2 (skilled manual)	1.67		0.70
D (semi-skilled/ unskilled manual)	5.06	*	0.51
E (on state benefit/ unemployed/ lowest grade workers)	4.54	*	0.44
Educational attainment	11.48	**	
No qualifications†			1.00
Some qualifications, but not degree level	4.51	*	0.64
1st degree and above (includes NVQ/SVQ Level 5 or equivalent)	0.52		1.23
Employment status	14.03	*	
Employed (PT/FT)†			1.00
Unemployed	2.55		0.57
Ill/disabled	2.37		0.52
Retired	0.03		1.04
Looking after home/family	4.05	*	0.48
In education/training (PT/FT)	7.10	**	0.46
Self-assessed health	10.43	**	
Good/very good†			1.00
Fair	3.45		0.63
Bad/very bad	4.33	*	1.80

Notes

1. Significance level: * = p<0.05; ** = p<0.01; *** = p<0.001; **** = p<0.0001

† Reference category of variable

Human Values

Multivariate linear regression analysis of the factors associated with:

benevolence (human values scale) (Glasgow respondents only)

Variable/category	Adjusted Mean ¹	$\Delta\mu^2$ (95% conf. ints)	t statistic	Significance ³
Age group				
16-29†	0.35			
45-64	0.48	0.13 (0.05 to 0.20)	3.28	**
65+	0.46	0.11 (0.01 to 0.20)	2.26	*
Longterm limiting illness (LLI)				
No LLI†	0.35			
Limited a lot	0.50	0.15 (0.03 to 0.27)	2.46	*

Notes

1. Mean predicted by full fitted model

2. Difference in mean compared to reference category after adjustment for other factors in the model

3. Significance level: * = p<0.05; ** = p<0.01; *** = p<0.001; **** = p<0.0001

† Reference category of variable

Optimism: Life Orientation Test (Revised) (LOT-R)

Multivariate linear regression analysis of the factors associated with:

Life Orientation Test (Revised) (Glasgow respondents only)

Variable/category	Adjusted Mean ¹	$\Delta\mu^2$ (95% conf. ints)	t statistic	Significance ³
Length of residence				
Time in city not known†	16.11			
Possibly long-term resident	15.37	-0.74 (-1.17 to -0.30)	-3.32	***
Deprivation quintile				
1 (Most deprived)†	16.11			
4	15.39	-0.72 (-1.23 to -0.22)	-2.80	**
Educational attainment				
No qualifications†	16.11			
1st degree and above (includes NVQ/SVQ Level 5 or equivalent)	17.05	0.94 (0.30 to 1.57)	2.91	**
Employment status				
Employed (pt & ft)†	16.11			
Unemployed	13.78	-2.33 (-2.97 to -1.69)	-7.14	****
Ill/disabled	13.55	-2.56 (-3.43 to -1.69)	-5.75	****
Looking after home/family	14.48	-1.63 (-2.38 to -0.87)	-4.23	****
Self-assessed health				
Good/very good†	16.11			
Fair	15.23	-0.89 (-1.46 to -0.31)	-3.03	**
Bad/very bad	14.27	-1.84 (-2.62 to -1.07)	-4.68	****

Notes

1. Mean predicted by full fitted model

2. Difference in mean compared to reference category after adjustment for other factors in the model

3. Significance level: * = p<0.05; ** = p<0.01; *** = p<0.001; **** = p<0.0001

† Reference category of variable

Self-efficacy: Generalised Self-Efficacy Scale (GSE)

Multivariate linear regression analysis of the factors associated with:

self-efficacy (GSE) (Glasgow respondents only)

Variable/category	Adjusted Mean ¹	$\Delta\mu^2$ (95% conf. ints)	t statistic	Significance ³
Gender				
Male†	32.08			
Female	31.36	-0.72 (-1.36 to -0.09)	-2.22	*
Deprivation quintile				
1 (Most deprived)†	32.08			
5 (Least deprived)	33.34	1.26 (0.49 to 2.03)	3.20	**
Educational attainment				
No qualifications†	32.08			
1st degree and above (includes NVQ/SVQ Level 5 or equivalent)	33.59	1.51 (0.52 to 2.50)	2.99	**
Employment status				
Employed (pt & ft)†	32.08			
Unemployed	28.11	-3.97 (-4.98 to -2.96)	-7.71	****
Ill/disabled	27.40	-4.69 (-6.08 to -3.29)	-6.61	****
Retired	30.91	-1.17 (-2.05 to -0.30)	-2.63	**
Looking after home/family	29.89	-2.19 (-3.39 to -0.99)	-3.59	***
Self-assessed health				
Good/very good†	32.08			
Fair	30.32	-1.76 (-2.64 to -0.88)	-3.92	****
Bad/very bad	29.87	-2.21 (-3.40 to -1.03)	-3.67	***

Notes

1. Mean predicted by full fitted model

2. Difference in mean compared to reference category after adjustment for other factors in the model

3. Significance level: * = p<0.05; ** = p<0.01; *** = p<0.001; **** = p<0.0001

† Reference category of variable