Appendix 5: Logistic regression analyses

Table A5.1: Coefficients, standard errors, and p-values of full model logistic regression analysis. * = p < 0.1, ** = p < 0.05. Pre-test 1 and Ward 3 (control) are taken as reference categories.

Dependent variable: compliance	
	B(SE)
Ward 1	-0.22 (0.57)
Ward 2	-0.38 (0.53)
Pre-test 2	-0.53 (0.60)
Post-test 1	-0.07 (0.59)
Post-test 2	0.16 (0.65)
Ward 1*Pre-test 2	0.59 (0.78)
Ward 1*Post-test 1	2.08** (1.02)
Ward 1*Post-test 2	0.87 (0.88)
Ward 2*Pre-test 1	0.86 (0.73)
Ward 2*Post-test 1	1.38* (0.79)
Ward 2*Post-test 2	1.31 (0.88)
Constant	0.29 (0.44)
N	348
R^2	0.10

Table A5.2: Coefficients, standard errors, p-values, confidence intervals and odd ratios of ward 1 logistic regression analysis. * = p < 0.1, ** = p < 0.05. Pre-test 1 is taken as reference category.

Dependent variable: compliance	
B(SE)	**95% CI for Odds Ratio**

		Lower	Odds	Upper
Pre-test 2	0.06 (0.51)	0.40	1.06	2.86
Post-test 1	2.02** (0.83)	1.47	7.50	38.28
Post-test 2	1.03* (0.59)	0.88	2.81	8.99
Constant	0.07 (0.36)			
N	105			
R^2	0.13			

Table A5.3: Coefficients, standard errors, p-values, confidence intervals and odd ratios of ward 2 logistic regression analysis. ** = $p < 0.05$. Pre-test 1 is taken as reference category.

Dependent variable: compliance				
	B(SE)	**95% CI for Odds Ratio**		
		Lower	**Odds**	**Upper**
Pre-test 2	0.33 (0.41)	0.62	1.39	3.10
Post-test 1	1.32** (0.52)	1.35	3.74	10.38
Post-test 2	1.47** (0.58)	1.40	4.36	13.62
Constant	-0.09 (0.30)			
N	152			
R^2	0.10			

Table A5.4: Coefficients, standard errors, p-values, confidence intervals and odd ratios of ward 3 logistic regression analysis. Pre-test 1 is taken as reference category.

Dependent variable: compliance				
	B(SE)	**95% CI for Odds Ratio**		
		Lower	**Odds**	**Upper**
Pre-test 2	-0.53 (0.60)	0.18	0.59	1.90
Post-test 1	-0.07 (0.59)	0.30	0.94	2.96
Post-test 2	0.16 (0.65)	0.33	1.18	4.25
Constant	0.29 (0.44)			
N	91			
R^2	0.02			