

Supplementary table 1: Perceived disability discrimination types and settings by type of disability

| Types of discrimination | Physical | Sensory | Cognitive | Other | p value |
|--------------------------------|-----------------|----------------|------------------|--------------|----------------|
| Felt unsafe at someplace | 12 (85.7%) | 9 (90%) | 12 (92.3%) | 60 (84.5%) | 0.874 |
| Avoided at someplace | 8 (53.3%) | 6 (75%) | 9 (75%) | 52 (69.3%) | 0.336 |
| Felt insulted at someplace | 3 (25%) | 1 (12.5%) | 1 (10%) | 15 (27.3%) | 0.572 |
| Attacked at someplace | 0 (0%) | 0 (0%) | 0(0%) | 3(4.4%) | 0.621 |
| Settings | | | | | |
| School/work | 2 (12.5%) | 1 (9.1%) | 0 (0%) | 12 (15.8%) | 0.424 |
| Public transport | 10 (62.5%) | 3 (27.3%) | 6 (42.9%) | 41 (53.9%) | 0.266 |
| Bus or train stations | 5 (31.3%) | 2 (18.2%) | 6 (42.9%) | 34 (44.7%) | 0.328 |
| Taxis | 4 (25%) | 0 (0%) | 1 (7.1%) | 9 (11.8%) | 0.223 |
| Public buildings | 8 (50%) | 7 (63.6%) | 7 (50%) | 48 (63.2%) | 0.654 |
| On the street | 12 (75%) | 8 (72.7%) | 9 (64.3%) | 62 (81.6%) | 0.504 |
| At home | 3 (18.8%) | 3 (27.3%) | 4 (28.6%) | 20 (26.3%) | 0.920 |

Data are presented as numbers (% yes)

Supplementary table 2: Prospective associations between perceived disability discrimination and wellbeing outcomes (imputed analysis)

| | Psychological distress ^a | SF-12 mental ^b | Life satisfaction ^c | Fair/poor self-rated health ^d |
|-----------------------------|-------------------------------------|---------------------------|--------------------------------|--|
| | <i>B</i> (95% CI) | <i>B</i> (95% CI) | <i>B</i> (95% CI) | <i>B</i> (95% CI) |
| Wave 5 | | | | |
| No perceived discrimination | Reference 0.22 [-3.21; 3.64] | Reference | Reference | 1 (Reference) 1.38 [0.65; 2.93] |
| Perceived discrimination | | -4.55 [-8.75; -0.34]* | -0.49 [-1.10; 0.12] | |

All analyses are adjusted for age, sex, household income, education, ethnicity and disability type. Prospective analyses are additionally adjusted for baseline wellbeing status/score.

^a= *n* = 454 for the no perceived discrimination group; *n* = 82 for the perceived discrimination group; ^b= *n* = 742 for the no perceived discrimination group; *n* = 117 for the perceived discrimination group; ^c= *n* = 454 for the no perceived discrimination group; *n* = 84 for the perceived discrimination group; ^d= *n* = 754 for the no perceived discrimination group; *n* = 117 for the perceived discrimination group

p* < 0.05, *p* < 0.01, ****p* < 0.001

CI = confidence interval, OR = odds ratio

Possible scores on the psychological distress scale range from 0-12, SF-12 mental component scale range from 0-100 and the life satisfaction scale scores range from 0-7.

