

## Data supplement

### Coercive measures questions

#### Interview item read to participants prior to completion of the Coercion Ladder at baseline

'If you think of your own admission to this hospital this time, try to consider if you were subjected to any kind of coercion, threats, pressure, persuasion or inducements (bribes). What step on the ladder below best corresponds to the amount of pressure from others that you experienced when you were admitted, and mark this step with an X. For instance, if you chose to come without any pressure, put an X on step 1, but if you were subjected to the maximum use of force, then you put the X on step 10.'

#### Interview questions at 4 weeks post-admission on the use of coercive measures

'Have you been subjected to forced medication?'

'Have you been held down or tied down in any way?'

'Have you been kept on your own in a room (secluded or isolated)?'

**Table DS1** Patient characteristics by ethnic group

|  | White       | Black      | Asian       | Mixed       |
|--|-------------|------------|-------------|-------------|
| Eligible patients, <i>n</i>  | 1111        | 246        | 93          | 45          |
| Age, years <sup>a</sup>  |             |            |             |             |
| Mean (s.d.)  | 39.6 (12.1) | 34.6 (9.9) | 35.2 (11.2) | 33.8 (12.5) |
| Range  | 18–65       | 18–63      | 18–64       | 18–63       |
| Gender, <i>n</i> (%)   |             |            |             |             |
| Male   | 575 (51.8)  | 157 (63.8) | 57 (61.3)   | 24 (53.3)   |
| Female   | 536 (48.2)  | 89 (36.2)  | 36 (38.7)   | 21 (46.7)   |
| Diagnosis, <i>n</i> (%) <sup>b</sup>   |             |            |             |             |
| Schizophrenia  | 447 (51.4)  | 165 (72.7) | 58 (69.1)   | 25 (61.0)   |
| Affective disorder   | 274 (31.5)  | 38 (16.7)  | 17 (20.2)   | 10 (24.4)   |
| Other  | 149 (17.1)  | 24 (10.6)  | 9 (10.7)    | 6 (14.6)    |
| Mental Health Trust  |             |            |             |             |
| Inner-city London trust, <i>n</i> (%) <sup>c</sup>   | 134 (12.1)  | 167 (67.9) | 56 (60.2)   | 16 (35.6)   |
| Interviewed <10 days after admission, <i>n</i> (% of eligible patients)                          | 564 (50.8)  | 138 (56.1) | 47 (50.5)   | 24 (53.3)   |
| Age, years <sup>a</sup>  |             |            |             |             |
| Mean (s.d.)  | 38.6 (11.8) | 33.1 (8.6) | 32.7 (8.9)  | 33.3 (10.3) |
| Range  | 18–65       | 18–54      | 18–50       | 18–55       |
| Gender, <i>n</i> (%)   |             |            |             |             |
| Male   | 333 (58.7)  | 96 (68.6)  | 15 (62.5)   | 35 (62.5)   |
| Female   | 234 (41.3)  | 44 (31.4)  | 9 (37.5)    | 9 (37.5)    |
| Diagnosis, <i>n</i> (%) <sup>d</sup>   |             |            |             |             |
| Schizophrenia  | 240 (48.7)  | 96 (72.2)  | 32 (69.6)   | 15 (62.5)   |
| Affective disorder   | 165 (33.4)  | 22 (16.5)  | 9 (19.5)    | 5 (20.8)    |
| Other  | 88 (17.9)   | 15 (11.3)  | 5 (10.9)    | 4 (16.7)    |
| Mental Health Trust  |             |            |             |             |
| Inner-city London trust <i>n</i> (%) <sup>c</sup>  | 80 (14.2)   | 104 (75.4) | 35 (74.5)   | 10 (41.7)   |
| Interviewed 4 weeks after admission, <i>n</i> (% of those interviewed at <i>T</i> <sub>1</sub> ) | 392 (69.5)  | 102 (73.9) | 33 (70.2)   | 18 (75.0)   |
| Age, years <sup>a</sup>  |             |            |             |             |
| Mean (s.d.)  | 38.6 (12.0) | 33.2 (8.7) | 32.5 (9.0)  | 33.6 (9.5)  |
| Range  | 18–65       | 18–53      | 18–50       | 19–55       |
| Gender, <i>n</i> (%)   |             |            |             |             |
| Male   | 224 (57.1)  | 74 (72.6)  | 26 (78.8)   | 11 (61.1)   |
| Female   | 168 (42.9)  | 28 (27.5)  | 7 (21.2)    | 7 (38.9)    |
| Diagnosis, <i>n</i> (%) <sup>e</sup>   |             |            |             |             |
| Schizophrenia  | 175 (49.9)  | 73 (73.7)  | 22 (68.7)   | 13 (72.2)   |
| Affective disorder   | 126 (35.9)  | 18 (18.2)  | 7 (21.9)    | 3 (16.7)    |
| Other  | 50 (14.3)   | 8 (8.1)    | 3 (9.4)     | 2 (11.1)    |
| Mental Health Trust  |             |            |             |             |
| Inner-city London trust, <i>n</i> (%) <sup>c</sup>   | 51 (13.1)   | 78 (76.5)  | 22 (66.7)   | 7 (38.9)    |

a. Denominators for this variable varied because of small amounts (<4%) of missing data.  
b. Information on diagnosis missing for 24/1111 (21.7%) White, 19 (7.7%) Black, 9 (9.7%) Asian and 4 (8.9) mixed-ethnicity patients.  
c. Percentage of participants within each ethnic group recruited/interviewed at the two hospitals managed by this Trust.  
d. Information on diagnosis missing for 74/564 (13.1) White, 7/138 (5.1%) Black and 1/47 (2.1%) Asian patients.  
e. Information on diagnosis missing for 41/392 (10.5) White, 3/102 (2.9%) Black and 1/33 (3.0%) Asian patients.

| Table DS2 Proportion and odds ratios of coercion, categorised by ethnicity |                      |                                      |  |   |
|--|----------------------|--------------------------------------|--|---|
|  | Patients<br><i>n</i> | Patients experiencing<br>coercion, % | Odds ratio (95% CI)                          |   |
|  |                      |                                      | Unadjusted                                   | Adjusted <sup>a</sup>                       |
| Experience of coercion at admission <sup>b</sup>                           |                      |                                      |  |   |
| Black  | 130                  | 45.4                                 | 1.77 (1.20–2.62)                             | 1.11 (0.66–1.86)                            |
| Asian  | 44                   | 34.1                                 | 1.10 (0.58–2.11)                             | 0.69 (0.33–1.47)                            |
| Mixed  | 22                   | 40.9                                 | 1.47 (0.62–3.52)                             | 1.07 (0.43–2.64)                            |
| White <sup>c</sup>   | 520                  | 31.9                                 | 1.00   | 1.00  |
|  |                      |                                      | $\chi^2 = 8.47$ , d.f. = 3, <i>P</i> = 0.04  | $\chi^2 = 1.54$ , d.f. = 3, <i>P</i> = 0.67 |
| Experience of coercion at 4 weeks <sup>b</sup>                             |                      |                                      |  |   |
| Black  | 101                  | 17.8                                 | 1.36 (0.75–2.45)                             | 1.31 (0.60–2.88)                            |
| Asian  | 29                   | 24.1                                 | 1.99 (0.81–4.91)                             | 2.13 (0.76–5.98)                            |
| Mixed  | 18                   | 27.8                                 | 2.41 (0.82–7.05)                             | 2.48 (0.81–7.59)                            |
| White <sup>c</sup>   | 363                  | 13.8                                 | 1.00   | 1.00  |
|  |                      |                                      | $\chi^2 = 4.45$ , d.f. = 3, <i>P</i> = 0.22  | $\chi^2 = 3.70$ , d.f. = 3, <i>P</i> = 0.30 |
| Experience of a coercive measure   |                      |                                      |  |   |
| Black  | 98                   | 57.1                                 | 1.37 (0.87–2.14)                             | 1.11 (0.62–2.01)                            |
| Asian  | 32                   | 62.5                                 | 1.71 (0.81–3.60)                             | 1.44 (0.62–3.34)                            |
| Mixed  | 18                   | 61.1                                 | 1.61 (0.61–4.25)                             | 1.69 (0.62–4.63)                            |
| White <sup>c</sup>   | 383                  | 49.4                                 | 1.00   | 1.00  |
|  |                      |                                      | $\chi^2 = 4.16$ , d.f. = 3, <i>P</i> = 0.25  | $\chi^2 = 1.46$ , d.f. = 3, <i>P</i> = 0.69 |
| Hospital record of a coercive measure                                      |                      |                                      |  |   |
| Black  | 102                  | 39.2                                 | 2.19 (1.47–3.27)                             | 1.09 (0.66–1.81)                            |
| Asian  | 33                   | 27.3                                 | 1.59 (0.82–3.06)                             | 0.79 (0.38–1.64)                            |
| Mixed  | 18                   | 33.3                                 | 1.54 (0.62–3.80)                             | 0.99 (0.39–2.54)                            |
| White <sup>c</sup>   | 392                  | 19.6                                 | 1.00   | 1.00  |
|  |                      |                                      | $\chi^2 = 15.13$ , d.f. = 3, <i>P</i> < 0.01 | $\chi^2 = 0.79$ , d.f. = 3, <i>P</i> = 0.79 |

a. Adjusted for age, gender, diagnosis and mental health trust.  
b. Perception of coercion experienced as a score of 10 (maximum) on the Coercion Ladder.  
c. Reference category.