**Supplementary Table S1.** Baseline demographic characteristics for those who were lost to follow up

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Followed up | Contact made, unsuccessful | Abroad | Died | Excluded | Statistics |
|  | *N*(%) | 246 (87.2) | 20 (7.1) | 10 (3.6) | 4 (1.4) | 2 (0.7) |  |
|  |  |  |  |  |  |  |  |
| Gender | |  |  |  |  |  |  |
|  | Female | 80 (32.5) | 7 (33.3) | 2 (20) | 2 (50) | - | X2=2.24 df=4 p=0.79 |
|  | Male | 166 (67.5) | 14 (66.7) | 8 (80) | 2 (50) | 2 (100) |  |
|  |  |  |  |  |  |  |  |
| Age at first contact (mean (S.D.)) | | 27.2 (7.9) | 31.4 (12.3) | 26.4 (7.8) | 42.5 (15.2) | 27.5 (0.7) | F(4, 276)=4.48 p=0.002 |
|  |  |  |  |  |  |  |  |
| Ethnicity | |  |  |  |  |  |  |
|  | White | 90 (38.8) | 9 (45.0) | 1 (10.0) | 3 (75.0) | 1 (50.0) | X2=6.13 df=4 p=0.14 |
|  | Black | 142 (61.2) | 11 (55.0) | 9 (90.0) | 1 (25.0) | 1 (50.0) |  |

S.D., standard deviation; df, degrees of freedom

**Supplementary Table S2.** *Comparison in baseline socio-demographic and clinical characteristics between “clozapine” group and those who met criteria for clozapine (“met criteria”) but did not commence the clozapine during the course of illness*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Baseline socio-demographic and clinical characteristics | | Clozapine  *N*=38 (47.5%) | Met criteria  *N*=43 (53.1%) | Test statistics | | |
|  |  | Mean (SD)/*n*(%) | Mean (SD)/*n*(%) | t/U/x2 | df | P-value |
|  |  |  |  |  |  |  |
| Age years | | 24.7 (5.1) | 25.7 (7.3) | -0.74 | 79 | 0.46 |
|  |  |  |  |  |  |  |
| Gender | |  |  |  |  |  |
|  | Female | 10 (26.3) | 17 (39.5) | 1.59 | 1 | 0.24 |
|  | Male | 28 (73.7) | 26 (60.5) |  |  |  |
|  |  |  |  |  |  |  |
| Ethnicity | |  |  |  |  |  |
|  | White (all categories) | 16 (50.0) | 14 (38.9) | 0.85 | 1 | 0.46 |
|  | Black (all categories) | 16 (50.0) | 22 (61.1) |  |  |  |
|  |  |  |  |  |  |  |
| Living arrangements | |  |  |  |  |  |
|  | Alone | 1 (9.1) | 15 (51.7) | 6.04 | 1 | 0.03 |
|  | Not alone | 10 (90.9) | 14 (48.3) |  |  |  |
|  |  |  |  |  |  |  |
| Relationship status | |  |  |  |  |  |
|  | Single/separated | 9 (81.8) | 24 (80.0) | 0.02 | 1 | 0.90 |
|  | Stable relationship | 2 (18.2) | 6 (20.0) |  |  |  |
|  |  |  |  |  |  |  |
| Cannabis use | |  |  |  |  |  |
|  | none/infrequent | 15 (71.4) | 17 (63.0) | 0.38 | 1 | 0.76 |
|  | every day | 6 (28.6) | 10 (37.0) |  |  |  |
|  |  |  |  |  |  |  |
| Alcohol intake | |  |  |  |  |  |
|  | 0-14 units week | 24 (96.0) | 28 (84.9) | 1.91 | 1 | 0.22 |
|  | >15 units week | 1 (4.0) | 5 (15.1) |  |  |  |
|  |  |  |  |  |  |  |
| DUP weeks Median (IQR) | | 4 (1-11) | 9 (2-26) | -0.86 |  | 0.39 |
|  |  |  |  |  |  |  |
| PANSS total | | 78.0 (16.6) | 61.1 (17.1) | 2.49 | 27 | 0.02 |
| PANSS Positive | | 17.0 (6.2) | 15.6 (8.2) | 0.90 |  | 0.37 |
| PANSS Negative | | 21.7 (9.1) | 14.8 (6.0) | 2.14 |  | 0.03 |
|  |  |  |  |  |  |  |
| GAF Disability | | 51.7 (11.1) | 49.3 (16.6) | 0.86 |  | 0.39 |
| GAF Symptoms | | 40.0 (13.3) | 39.9 (18.4) | 0.33 |  | 0.74 |
|  |  |  |  |  |  |  |
| PANSS Lack of judgement & insight | | 4.3 (1.8) | 3.3 (1.8) | 1.6 |  | 0.11 |
| PANSS Conceptual disorganisation | | 2.67 (1.2) | 2.23 (1.3) | 1.12 |  | 0.26 |

S.D., standard deviation; df, degrees of freedom; PANSS, Positive and Negative Syndrome Scale, GAF, Global Assessment of Functioning Scale; DUP, duration of untreated psychosis

**Supplementary Table S3.** *Comparison in baseline socio-demographic and clinical characteristics between non-treatment resistant group and “early resistant” E-TR*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Baseline socio-demographic and clinical characteristics | | Non-TR  *N*=159 (74.0%) | E-TR  *N*=56 (26.0%) | Test statistics | | |
|  | | Mean (SD)/*n*(%) | Mean (SD)/*n*(%) | t/U/x2 | df | p |
|  | |  |  |  |  |  |
| Age years | | 27.9 (8.3) | 26.0 (6.8) | 1.61 | 213 | 0.11 |
|  | |  |  |  |  |  |
| Gender | |  |  |  |  |  |
|  | Female | 52 (32.7) | 14 (25.0) | 1.16 | 1 | 0.32 |
|  | Male | 107 (67.3) | 42 (75.0) |  |  |  |
|  |  |  |  |  |  |  |
| Ethnicity | |  |  |  |  |  |
|  | White | 48 (36.6) | 20 (41.7) | 0.38 | 1 | 0.60 |
|  | Black | 83 (63.4) | 28 (58.3) |  |  |  |
|  |  |  |  |  |  |  |
| Living arrangements | |  |  |  |  |  |
|  | Alone | 41 (42.3) | 12 (41.4) | 0.001 | 1 | 0.93 |
|  | Not alone | 56 (57.7) | 17 (58.6) |  |  |  |
|  |  |  |  |  |  |  |
| Relationship status | |  |  |  |  |  |
|  | Single/separated | 78 (80.4) | 24 (80.0) | 0.003 | 1 | 0.96 |
|  | Stable relationship | 19 (19.6) | 6 (20.0) |  |  |  |
|  |  |  |  |  |  |  |
| Cannabis use | |  |  |  |  |  |
|  | none/infrequent | 75 (67.6) | 23 (71.9) | 021 | 1 | 0.83 |
|  | every day | 36 (32.4) | 9 (28.1) |  |  |  |
|  |  |  |  |  |  |  |
| Alcohol intake | |  |  |  |  |  |
|  | 0-14 units week | 83 (86.5) | 34 (85.0) | 0.05 | 1 | 0.79 |
|  | >15 units week | 13 (13.5) | 6 (15.0) |  |  |  |
|  | |  |  |  |  |  |
| DUP weeks Median (IQR) | | 4 (1-17) | 4 (1-46) | -0.76 |  | 0.45 |
|  | |  |  |  |  |  |
| PANSS total | | 60.9 (16.4) | 69.6 (20.4) | -1.98 | 95 | 0.050 |
| PANSS Positive | | 15.2 (6.7) | 17.5 (8.3) | -1.17 |  | 0.24 |
| PANSS Negative | | 15.4 (6.0) | 17.2 (8.3) | -0.58 |  | 0.56 |
|  | |  |  |  |  |  |
| GAF Disability | | 54.4 (20.6) | 48.7 (14.8) | 1.11 | 77 | 0.27 |
| GAF Symptoms | | 49.0 (21.7) | 40.5 (17.3) | 1.45 |  | 0.15 |
|  | |  |  |  |  |  |
| PANSS Lack of judgement & insight | | 3.3 (1.7) | 3.2 (1.9) | 0.18 |  | 0.86 |
| PANNS Conceptual disorganisation | | 2.1 (1.4) | 0.23 | -1.82 |  | 0.82 |

TR, treatment resistance; SD, standard deviation; df, degrees of freedom; PANSS, Positive and Negative Syndrome Scale, GAF, Global Assessment of Functioning Scale; DUP, duration of untreated psychosis

**Supplementary Table S4.** *Comparison in baseline socio-demographic and clinical characteristics between non-treatment resistant group and “late resistant” L-TR*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Baseline socio-demographic and clinical characteristics | | Non-TR  *N*=159 (86.9%) | L-TR  *N*=24 (13.1) | Test statistics | | |
|  | | Mean (SD)/*n*(%) | Mean (SD)/*n*(%) | t/U/x2 | df | p |
|  | |  |  |  |  |  |
| Age years | | 27.9 (8.3) | 23.7 (5.1) | 2.44 | 181 | 0.02 |
|  | |  |  |  |  |  |
| Gender | |  |  |  |  |  |
|  | Female | 52 (32.7) | 13 (54.2) | 4.19 | 1 | 0.07 |
|  | Male | 107 (67.3) | 11 (45.8) |  |  |  |
|  |  |  |  |  |  |  |
| Ethnicity | |  |  |  |  |  |
|  | White | 57 (37.8) | 9 (40.9) | 0.08 | 1 | 0.817 |
|  | Black | 94 (62.2) | 13 (59.1) |  |  |  |
|  |  |  |  |  |  |  |
| Living arrangements | |  |  |  |  |  |
|  | Alone | 41 (42.3) | 4 (40.0) | 0.02 | 1 | 0.89 |
|  | Not alone | 56 (57.7) | 6 (60.0) |  |  |  |
|  |  |  |  |  |  |  |
| Relationship status | |  |  |  |  |  |
|  | Single/separated | 78 (80.4) | 8 (80.0) | 0.001 | 1 | 0.98 |
|  | Stable relationship | 19 (19.6) | 2 (20.0) |  |  |  |
|  |  |  |  |  |  |  |
| Cannabis use | |  |  |  |  |  |
|  | none/infrequent | 75 (67.6) | 9 (60.0) | 0.34 | 1 | 0.57 |
|  | every day | 36 (32.4) | 6 (40.0) |  |  |  |
|  |  |  |  |  |  |  |
| Alcohol intake | |  |  |  |  |  |
|  | 0-14 units week | 83 (86.5) | 17 (100.0) | 2.60 | 1 | 0.21 |
|  | >15 units week | 13 (13.5) | - |  |  |  |
|  | |  |  |  |  |  |
| DUP weeks Median (IQR) | | 4 (1-17) | 12.5 (2-26) | -1.01 |  | 0.32 |
|  | |  |  |  |  |  |
| PANSS total | | 60.9 (16.4) | 60.4 (13.2) | 0.08 | 85 | 0.94 |
| PANSS Positive | | 15.2 (6.8) | 12.4 (3.9) | 098 |  | 0.33 |
| PANSS Negative | | 15.4 (6.0) | 17.2 (7.2) | -0.73 |  | 0.47 |
|  | |  |  |  |  |  |
| GAF Disability | | 54.4 (20.6) | 55.0 (15.3) | -0.08 | 65 | 0.94 |
| GAF Symptoms | | 49.0 (21.8) | 37.9 (16.3) | 1.27 |  | 0.20 |
|  | |  |  |  |  |  |
| PANSS Lack of judgement & insight | | 3.3 (1.7) | 3.2 (1.9) | 0.18 |  | 0.86 |
| PANSS Conceptual disorganisation | | 2.1 (1.4) | 1.9 (1.1) | 0.23 |  | 0.82 |

TR, treatment resistance; SD, standard deviation; df, degrees of freedom; PANSS, Positive and Negative Syndrome Scale, GAF, Global Assessment of Functioning Scale; DUP, duration of untreated psychosis