**Supplementary Table 1.** Associations between positive and negative symptoms, and anger

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Symptom** | **OR** | **95 % CI** | | | **p** |
| Delusions | 0.79 | 0.65 | - | 0.96 | 0.018 |
| Conceptual disorganisation | 1.20 | 0.97 | - | 1.49 | 0.093 |
| Hallucinatory behaviour | 1.02 | 0.83 | - | 1.26 | 0.860 |
| Excitement | 1.49 | 1.19 | - | 1.86 | <0.001 |
| Grandiosity | 1.40 | 1.17 | - | 1.68 | <0.001 |
| Suspiciousness/persecution | 2.16 | 1.78 | - | 2.61 | <0.001 |
|  |  |  |  |  |  |
| Blunted affect | 0.83 | 0.68 | - | 1.03 | 0.094 |
| Emotional withdrawal | 0.92 | 0.75 | - | 1.14 | 0.462 |
| Poor rapport | 1.47 | 1.21 | - | 1.77 | <0.001 |
| Social withdrawal | 1.03 | 0.88 | - | 1.21 | 0.709 |
| Difficulty in abstract thinking | 0.93 | 0.78 | - | 1.11 | 0.410 |
| Lack of spontaneity | 0.92 | 0.75 | - | 1.12 | 0.386 |
| Stereotyped thinking | 1.27 | 1.05 | - | 1.53 | 0.015 |

**Supplementary Table 2.** Descriptive statistics for symptom shift and violence

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Frequency of change | | Prevalence of violence when symptom changes | | Size of change when symptom changes | | Size of change when symptom changes and violence does not occur | | Size of change when symptom changes and violence occurs | |
|  | n | % | n | % | M | SD | M | SD | M | SD |
| **Positive symptoms** |  |  |  |  |  |  |  |  |  |  |
| Delusions | 237 | 32.4 | 39 | 16.5 | 0.21 | 2.50 | -0.45 | 2.46 | 1.51 | 2.28 |
| Conceptual disorganisation | 241 | 33.0 | 46 | 19.1 | 0.32 | 2.30 | 0.15 | 2.24 | 1.02 | 2.43 |
| Hallucinatory behaviour | 165 | 22.6 | 26 | 15.8 | 0.21 | 2.27 | 0.11 | 2.27 | 0.77 | 2.21 |
| Excitement | 168 | 23.0 | 49 | 29.2 | 0.08 | 2.11 | 0.02 | 2.02 | 0.22 | 2.33 |
| Grandiosity | 196 | 26.8 | 39 | 19.9 | -0.04 | 2.41 | -0.24 | 2.24 | 0.79 | 2.89 |
| Suspiciousness/persecution | 349 | 47.7 | 61 | 17.5 | 0.26 | 2.23 | 0.07 | 2.11 | 1.11 | 2.60 |
| Anger | 274 | 37.5 | 60 | 21.9 | 0.34 | 1.95 | 0.09 | 1.84 | 1.22 | 2.09 |
| **Negative symptoms** |  |  |  |  |  |  |  |  |  |  |
| Blunted affect | 279 | 38.2 | 40 | 14.3 | -0.18 | 2.12 | -0.20 | 2.08 | -0.05 | 2.40 |
| Emotional withdrawal | 303 | 41.5 | 47 | 15.5 | 0.00 | 2.13 | -0.09 | 2.12 | 0.45 | 2.14 |
| Poor rapport | 290 | 39.7 | 49 | 16.9 | 0.08 | 2.26 | -0.03 | 2.19 | 0.59 | 2.54 |
| Social withdrawal | 353 | 48.3 | 55 | 15.6 | 0.08 | 2.34 | 0.00 | 2.26 | 0.53 | 2.71 |
| Difficulty in abstract thinking | 295 | 40.4 | 49 | 16.6 | -0.11 | 2.43 | -0.11 | 2.32 | -0.14 | 2.96 |
| Lack of spontaneity | 250 | 34.2 | 44 | 17.6 | 0.19 | 2.38 | 0.15 | 2.35 | 0.36 | 2.56 |
| Stereotyped thinking | 274 | 37.5 | 40 | 14.6 | -0.17 | 2.30 | 0.13 | 2.27 | 0.38 | 2.49 |
| **Total positive symptom score** | 527 | 72.1 | 85 | 16.1 | 0.66 | 6.78 | 0.09 | 6.24 | 3.64 | 8.53 |
| **Total negative symptom score** | 544 | 74.5 | 72 | 13.2 | 0.11 | 7.79 | -0.09 | 7.32 | 1.40 | 10.33 |