|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NPI distress mean and standard deviation  | Aarsland et al. (2007) | Baiyewu et al. (2003)  | Baiyewu et al. (2012) | Balieiro et al. (2010)  | Crellin et al. (2014) | Fauth & Gibbons (2014) | Fuh et al. (2001) | Huang et al. (2012) | Johnson et al. (2013) | Kaufer et al. (1998) | Matzu-moto et al. (2007)  | Mourik et al. (2004) | Rinaldi et al. (2005)  | Tan et al. (2005) |  de Vugt et al. (2006) | Wang et al. (2015)  |
| Delusions | 0.64 (1.3) | 0.38 (0.93) | 0.44 (1.05) | 3.8 (1.58) | 3.12 (1.30) | 2.63 (1.15) | 1.2 (1.5) | 3.2 (1.9) | 1.88 (1.79) | 2.4 (1.3) | 2.1 (1.6) | 2.8(1.8) | 1.37 (3.38) | 3.10 (1.01) | 0.7 (1.5) | 2.6 (1.10) |
| Hallucinations | 0.89 (1.4) | 0.15 (0.48) | 0.32 (0.84) | 2.7 (1.94) | 2.27 (1.38) | 1.86 (1.27) | 0.6 (1.2) | 2.5 (1.9) | 1.41 (1.52) | 1.9 (1.5) | 1.4 (1.1) | 1.8 (1.5) | 1.70 (1.30) | 2.50 (1.01) | 0.3 (1.0) | 2.5 (1.08) |
| Agitation | 0.75 (1.3) | 0.45 (1.06) | 0.50 (1.05) | 3.7 (1.13) | 2.99 (1.29) | 2.63 (1.20) | 1.2 (1.6) | 3.0 (1.9) | 2.91 (1.73) | 2.3 (1.5) | 2.3 (1.4) | 2.8 (13) | 1.82 (1.68) | 3.38 (0.92) | 0.6 (1.4) | 1.9 (1.04) |
| Depression | 1.31 (1.5) | 0.65 (1.12) | 0.88 (1.47) | 3.8 (1.58) | 2.61 (1.21) | 2.26 (1.08) | 0.8 (1.4) | 2.6 (1.8) | 2.88 (1.12) | 2.5 (1.3) | 0.7 (0.6) | 4.0 (0.5) | 1.70 (1.63) | 2.40 (1.10) | 1.6 (1.9) | 2.2 (0.94) |
| Anxiety | 1.07 (1.4) | 0.50 (1.06) | 0.35 (0.92) | 2.7 (1.58) | 2.43 (1.42) | 2.35 (0.97) | 1.4 (1.6) | 2.6 (1.7) | 3.12 (1.39) | 2.2 (1.3) | 1.4 (1.1) | 2.4 (1.6) | 1.38 (1.52) | 2.73 (1.10) | 1.7 (2.0) | 2.2 (1.05) |
| Euphoria | 0.05 (0.3) | 0.13 (0.40) | 0.06 (0.92) | 1.8 (1.49) | 0.92 (1.32) | 1.45 (1.26) | 0.1 (0.5) | 1.0 (2.2) | 0.00 (0.00) | 0.7 (1.2) | 0.0 (0.0) | 1.6 (1.2) | 0.25 (0.78) | 1.50 (1.20) | 0.1 (0.4) | 1.4 (0.71) |
| Apathy | 1.25 (1.5) | 0.43 (1.11) | 0.71 (1.36) | 2.9 (1.69) | 2.50 (1.33) | 2.35 (1.09) | 1.1 (1.1) | 2.0 (1.7) | 1.79 (1.61) | 2.2 (1.3) | 1.4 (1.2) | 2.8(1.3) | 2.06 (1.66) | 2.61 (1.12) | 1.1 (1.8) | 2.5 (0.92) |
| Disinhibition | 0.23 (0.8) | 0.28 (1.01) | 0.62 (1.21) | 2.1 (1.51) | 2.15 (1.40) | 2.27 (1.33) | 0.8 (1.4) | 2.3 (1.8) | 1.35 (1.94) | 1.8 (1.1) | 2.1(1.2) | 2.7 (1.4) | 0.58 (1.25) | 3.00 (1.14) | 0.1 (0.4) | 2.5 (1.16) |
| Irritability | 0.65 (1.2) | 0.60 (1.28) | 0.79 (1.37) | 3.6 (1.09) | 2.49 (1.41) | 2.50 (1.04) | 1.2 (1.5) | 2.6 (1.8) | 2.59 (1.23) | 2.5 (1.4) | 2.1 (1.4) | 2.9 (1.1) | 1.58 (1.58) | 2.74 (1.06) | 1.1 (1.8) | 2.3 (1.08) |
| Aberrant motor behaviour | 0.46 (1.1) | 0.15 (0.58) | 0.35 (0.92) | 2.9 (1.69) | 1.96 (1.49) | 2.03 (1.02) | 1.5 (1.6) | 1.8 (1.9) | 2.18 (1.75) | 1.5 (1.3) | 1.9 (1.1) | 2.9 (1.1) | 1.31 (1.66) | 2.95 (0.79) | 0.8 (1.5) | 2.3 (1.16) |
| Sleep | - | 0.50 (1.20) | 0.71 (1.17) | 2.2 (2.12) | 2.14 (1.60) | 2.16 (1.28) | 0.9 (1.4) | 2.3 (2.1) | 1.59 (1.72) | - | 2.1 (1.6) | - | 1.43 (1.80) | 2.67 (1.20) | - | 2.5 (1.13) |
| Appetite and eating  | - | 0.30 (0.72) | 0.50 (0.90) | 2.0 (1.80) | 1.97 (1.58) | 1.81 (1.17) | 0.7 (1.4) | 2.0 (1.8) | 1.62 (1.60) | - | 1.4 (1.1) | - | 0.91 (1.52) | 2.30 (1.06) | - | 2.4 (1.18) |

Supplementary Table 2. Mean distress and SD for 16 studies in meta-analysis