**Supplementary Table 1: Bivariate associations of demographic and clinical variables, symptom dimensions and neuropsychological performance with self-perceived disability in work, social and family areas in delusional disorder**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **SDI work** | | **SDI family** | | **SDI social** | |
|  |  | ***p*** |  | ***p*** |  | ***p*** |
| **Age, years** | r=-0.420 | <.001 | r=-0.267 | .021 | r=-0.330 | .004 |
| **Sex, female** | t=-2.473 | .016 | t=-1.908 | .060 | t=-2.454 | .017 |
| **Civil status, single** | t=0.436 | .664 | t=-0.827 | .411 | t=1.802 | .076 |
| **Living on their own** | t=-0.769 | .444 | t=-1.423 | .159 | t=0.661 | .511 |
| **Years in education** | r=0.240 | .038 | r=0.118 | .313 | r=0.196 | .092 |
| **Premorbid IQ** | r=-0.183 | .120 | r=-0.187 | .111 | r=-0.220 | .060 |
| **Subtype** |  |  |  |  |  |  |
| Persecutory | F=1.130 | .353 | F=0.250 | .938 | F=1.524 | .194 |
| Jealous |
| Grandiose |
| Erotomaniac |
| Somatic |
| Mixed |
| **Age at onset** | r=-0.303 | .008 | r=-0.153 | .190 | r=-0.101 | .389 |
| **Duration of illness** | r=-0.141 | .227 | r=-0.127 | .277 | r=-0.260 | .024 |
| **Treatment delay, years** | r=-0.176 | .108 | r=-0.114 | .300 | r=-0.201 | .066 |
| **Treatment delay, years (log)** | r=-0.204 | .062 | r=-0.138 | .209 | r=-0.222 | .041 |
| **Family history of schizophrenia in first-degree relatives** | t=0.196 | .845 | t=1.052 | .296 | t=-0.333 | .740 |
| **Precipitating factors, yes** | t=2.822 | .006 | t=1.418 | .161 | t=0.470 | .640 |
| **Type of onset, insidious** | t=-0.872 | .386 | t=-0.121 | .904 | t=1.292 | .200 |
| **Type of course, continuous** | t=0.383 | .703 | t=0.998 | .322 | t=0.639 | .525 |
| **Adverse experiences in childhood or adolescence, yes** | t=0.273 | .785 | t=0.358 | .721 | t=-0.109 | .713 |
| **Number of adverse experiences in childhood and adolescence** | r=0.135 | .253 | r=0.191 | .103 | r=0.144 | .220 |
| **Neurodevelopmental difficulties, yes** | t=0.170 | .865 | t=-0.736 | .464 | t=0.620 | .537 |
| Enuresis/encopresis | t=0.016 | .988 | t=-0.146 | .884 | t=1.531 | .130 |
| Learning difficulties | t=-0.358 | .722 | t=-1.088 | .280 | t=0.539 | .591 |
| Language delay | t=0.711 | .479 | t=-0.387 | .700 | t=1.122 | .290 |
| Psychomotor delay | t=0.495 | .622 | t=0.629 | .531 | t=0.395 | .694 |
| **Obstetric complications, yes** | t=1.185 | .240 | t=0.566 | .573 | t=2.072 | .042 |
| **Premorbid PD, yes** | t=0.808 | .422 | t=0.883 | .380 | t=1.323 | .190 |
| Cluster A | t=-0.273 | .785 | t=1.040 | .302 | t=0.470 | .640 |
| Cluster B | t=-0.242 | .809 | t=0.567 | .573 | t=-0.454 | .651 |
| Cluster C | t=0.047 | .963 | t=-0.900 | .371 | t=-0.583 | .561 |
| **Premorbid SUD, yes** | t=1.337 | .185 | t=0.382 | .703 | t=-0.234 | .815 |
| **Premorbid auditory deficit, yes** | t=-1.184 | .240 | t=-1.757 | .083 | t=-0.035 | .972 |
| **Comorbidity Axis I, yes** | t=1.509 | .136 | t=0.373 | .710 | t=0.775 | .441 |
| **Medical comorbidity, yes** | t=0.053 | .958 | t=-0.506 | .614 | t=0.793 | .431 |
| **Lifetime hallucinations, yes** | t=0.747 | .458 | t=0.242 | .810 | t=1.427 | .158 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Lifetime non-prominent auditory hallucinations, yes** | t=0.397 | .692 | t=1.800 | .076 | t=0.227 | .821 |
| **Any lifetime inpatient admission, yes** | t=3.730 | <.001 | t=1.032 | .305 | t=1.755 | .083 |
| **Antipsychotic treatment, yes** | t=0.253 | .801 | t=-0.567 | .573 | t=-0.049 | .961 |
| **Mean daily antipsychotic dose** | r=0.314 | .006 | r=0.161 | .169 | r=.239 | .039 |
| **Treatment adherence, high** | t=0.517 | .607 | t=-0.253 | .801 | t=-0.380 | .705 |
| **Symptom dimensions** |  |  |  |  |  |  |
| Paranoid dimension | r=0.091 | .432 | r=0.055 | .638 | r=0.202 | .082 |
| Cognitive dimension | r=0.080 | .495 | r=0.149 | .202 | r=0.188 | .107 |
| Affective dimension | r=0.158 | .175 | r=0.093 | .426 | r=-0.037 | .750 |
| Schizoid dimension | r=-0.102 | .382 | r=-0.172 | .139 | r=0.172 | .140 |
| **Cognitive domains** |  |  |  |  |  |  |
| Attention | r=-0.154 | .188 | r=-0.102 | .386 | r=-0.223 | .055 |
| Working memory | r=-0.102 | .384 | r=-0.157 | .179 | r=-0.170 | .144 |
| Verbal memory | r=-0.219 | .061 | r=0.250 | .032 | r=-0.337 | .003 |
| Executive functions | r=-0.244 | .035 | r=-0.204 | .079 | r=-0.354 | .002 |

*Abbreviations: IQ: intelligence quotient; PD: personality disorder; SDI: Sheehan’s Disability Inventory; SUD: substance use disorder.*

**Supplementary Table 2: Final linear regression models assessing the associations of demographic and clinical variables, symptom dimensions and neuropsychological performance with self-perceived disability in the occupational, social and family areas**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Outcome** | **Predictors** | **B (SE)** | ***β*** | ***r2*** | **Model** |
| **SDI-Work** | Age | -0.09 (0.02) | -0.346c | 0.160 | F=13.45  p<.001  r2 =0.464 |
| Number of adverse experiences in childhood | 0.55 (0.27) | 0.185a | 0.025 |
| Lifetime inpatient admission | 3.04 (0.64) | 0.413c | 0.173 |
| Precipitating factor | 2.26 (0.66) | 0.306b | 0.054 |
| Verbal memory | -0.09 (0.03) | -0.278b | 0.052 |
| **SDI-Social** | Age | -0.06 (0.02) | -0.299b | 0.079 | F=10.41  p<.001  r2 =0.279 |
| Verbal memory | -0.09 (0.03) | -0.314b | 0.074 |
| Executive functions | -0.16 (0.06) | -0.279b | 0.126 |
| **SDI-Family** | Age | -0.07 (0.02) | -0.294b | 0.059 | F=5.86  p=.001  r2 =0.166 |
| Schizoid dimension | -0.77 (0.34) | -0.250a | 0.049 |
| Verbal memory | -0.09 (0.03) | -0.315b | 0.058 |

*a p<.05, b p<.01, c p<.001. Only significant predictors in the models are shown. SDI: Sheehan’s Disability Inventory.*

**Supplementary Table 3: Hierarchical linear regression models assessing the association of demographic and clinical variables, symptom dimensions and neuropsychological performance with functioning in delusional disorder using symptom dimensions based on Lindenmayer’s five-factor solution of the PANSS**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Variable** | **Model 1** | | | **Model 2** | | | **Model 3** | | | **Model 4** | | |
|  | **B (SE)** | ***β*** | ***r2*** | **B (SE)** | ***β*** | ***r2*** | **B (SE)** | ***β*** | ***r2*** | **B (SE)** | ***β*** | ***r2*** |
| **Demographic variables** |  |  |  |  |  |  |  |  |  |  |  |  |
| Age | -0.21 (0.08) | -0.266b | 0.060 | -0.17 (0.08) | -0.223a | 0.041 |  |  |  |  |  |  |
| Sex, female | 8.62 (2.43) | 0.375b | 0.118 | 6.67 (2.31) | 0.290b | 0.118 | 5.64 (1.84) | 0.260b | 0.062 | 4.28 (1.93) | -0.196a | 0.028 |
| Years in education |  |  |  |  |  |  |  |  |  |  |  |  |
| Civil status, single |  |  |  |  |  |  |  |  |  |  |  |  |
| Living alone |  |  |  |  |  |  |  |  |  |  |  |  |
| **Clinical variables** |  |  |  |  |  |  |  |  |  |  |  |  |
| Duration of illness |  |  |  |  |  |  |  |  |  |  |  |  |
| Adverse experiences in childhood |  |  |  |  |  |  |  |  |  |  |  |  |
| Enuresis/encopresis in childhood |  |  |  |  |  |  |  |  |  |  |  |  |
| Non-prominent auditory hallucinations |  |  |  | -9.08 (3.75) | -0.241a | 0.060 |  |  |  |  |  |  |
| Type of course, continuous |  |  |  | -12.97 (4.85) | -0.266a | 0.073 |  |  |  |  |  |  |
| Premorbid cluster C PD |  |  |  |  |  |  |  |  |  |  |  |  |
| Mean daily antipsychotic dose |  |  |  |  |  |  |  |  |  |  |  |  |
| High treatment adherence |  |  |  |  |  |  |  |  |  |  |  |  |
| Family history of schizophrenia in first-degree relatives |  |  |  |  |  |  |  |  |  |  |  |  |
| Treatment delay (log) |  |  |  |  |  |  |  |  |  |  |  |  |
| **Symptom dimensions** |  |  |  |  |  |  |  |  |  |  |  |  |
| Positive dimension |  |  |  |  |  |  | -6.04 (1.07) | -0.485c | 0.309 | -6.06 (1.05) | -0.486c | 0.311 |
| Negative dimension |  |  |  |  |  |  |  |  |  |  |  |  |
| Cognitive dimension |  |  |  |  |  |  | -9.43 (2.43) | -.0.333c | 0.114 | -7.29 (2.62) | -0.257c | 0.042 |
| Depressive dimension |  |  |  |  |  |  |  |  |  |  |  |  |
| Excitement dimension |  |  |  |  |  |  |  |  |  |  |  |  |
| **Cognitive domains** |  |  |  |  |  |  |  |  |  |  |  |  |
| Attention |  |  |  |  |  |  |  |  |  |  |  |  |
| Working memory |  |  |  |  |  |  |  |  |  |  |  |  |
| Verbal memory |  |  |  |  |  |  |  |  |  | 0.19 (0.10) | 0.196a | 0.126 |
| Executive functions |  |  |  |  |  |  |  |  |  |  |  |  |
| ***r2 value*** | 0.178 | | | 0.292 | | | 0.485 | | | 0.507 | | |
| ***∆ r2*** | - | | | 0.114 | | | 0.183 | | | 0.022 | | |
| ***F value*** | 9.01 | | | 8.64 | | | 23.87 | | | 19.48 | | |
| ***p value*** | <.001 | | | <.001 | | | <.001 | | | <.001 | | |

*a p<.05, b p<.01, c p<.001. Statistic values are only shown for significant predictors in each model. PD: Personality disorder*

**Supplementary Table 4: Hierarchical linear regression models assessing the association of demographic and clinical variables, symptom dimensions and neuropsychological performance with self-perceived disability in delusional disorder using symptom dimensions based on Lindenmayer’s five-factor solution of the PANSS**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Variable** | **Model 1** | | | **Model 2** | | | **Model 3** | | | **Model 4** | | |
|  | **B (SE)** | ***β*** | ***r2*** | **B (SE)** | ***β*** | ***r2*** | **B (SE)** | ***β*** | ***r2*** | **B (SE)** | ***β*** | ***r2*** |
| **Demographic variables** |  |  |  |  |  |  |  |  |  |  |  |  |
| Age | -0.24 (0.06) | -0.428c | 0.187 | -0.19 (0.05) | -0.342c | 0.188 | -0.19 (0.05) | -0.340c | 0.187 | -0.18 (0.05) | -0.323b | 0.188 |
| Sex | -5.04 (1.65) | -0.303b | 0.083 | -5.27 (1.51) | -0.315b | 0.064 | -5.45 (1.53) | -0.321b | 0.071 | -3.65 (1.55) | -0.218a | 0.026 |
| Years in education |  |  |  |  |  |  |  |  |  |  |  |  |
| Civil status, single |  |  |  |  |  |  |  |  |  |  |  |  |
| Living alone |  |  |  |  |  |  |  |  |  |  |  |  |
| **Clinical variables** |  |  |  |  |  |  |  |  |  |  |  |  |
| Number of adverse experiences in childhood |  |  |  | 1.44 (0.61) | 0.221a | 0.039 | 1.38 (0.61) | 0.212a | 0.027 | 1.79 (0.58) | 0.276b | 0.041 |
| Obstetric complications |  |  |  |  |  |  |  |  |  |  |  |  |
| Daily antipsychotic dose (log) |  |  |  |  |  |  |  |  |  |  |  |  |
| Lifetime inpatient admission |  |  |  | 4.30 (1.44) | 0.268b | 0.090 | 4.41(1.45) | 0.273b | 0.093 | 3.70 (1.43) | 0.231a | 0.078 |
| Estimated premorbid IQ |  |  |  | -0.26 (0.10) | -0.250b | 0.027 | -0.26 (0.10) | -0.252b | 0.038 |  |  |  |
| Age at onset |  |  |  |  |  |  |  |  |  |  |  |  |
| Duration of illness |  |  |  |  |  |  |  |  |  |  |  |  |
| Precipitating factor |  |  |  | 3.54 (1.52) | 0.220a | 0.037 | 3.39 (1.53) | 0.210a | 0.033 | 3.35 (1.40) | 0.208a | 0.036 |
| Treatment delay (log) |  |  |  |  |  |  |  |  |  |  |  |  |
| **Symptom dimensions** |  |  |  |  |  |  |  |  |  |  |  |  |
| Positive dimension |  |  |  |  |  |  |  |  |  |  |  |  |
| Negative dimension |  |  |  |  |  |  |  |  |  |  |  |  |
| Cognitive dimension |  |  |  |  |  |  |  |  |  |  |  |  |
| Depressive dimension |  |  |  |  |  |  |  |  |  |  |  |  |
| Excitement dimension |  |  |  |  |  |  |  |  |  |  |  |  |
| **Cognitive domains** |  |  |  |  |  |  |  |  |  |  |  |  |
| Attention |  |  |  |  |  |  |  |  |  |  |  |  |
| Working memory |  |  |  |  |  |  |  |  |  |  |  |  |
| Verbal memory |  |  |  |  |  |  |  |  |  | -0.20 (0.07) | -0.274b | 0.099 |
| Executive functions |  |  |  |  |  |  |  |  |  | -0.31 (0.13) | -0.204a | 0.031 |
| ***r2 value*** | 0.270 | | | 0.445 | | | 0.449 | | | 0.499 | | |
| ***∆ r2*** | - | | | 0.221 | | | 0.004 | | | 0.050 | | |
| ***F value*** | 14.66 | | | 10.62 | | | 10.63 | | | 11.25 | | |
| ***p value*** | <.001 | | | <.001 | | | <.001 | | | <.001 | | |

*a p<.05, b p<.01, c p<.001. Statistic values are only shown for significant predictors in each model. IQ: Intelligence Quotient*