**Supplement to:**

*The relationship between substance use and self-reported aspects of social functioning in patients with a psychotic disorder*

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| Supplement 1: mean scores of different self-reported aspects of social functioning per substance group in patients with psychosis |
|  | No smoker  | Intermediate smoker | Heavy smoker | No cannabis  | Non-daily cannabis | Daily cannabis | No alcohol  | Non-problematic alcohol | Problematic alcohol |
| *Outcome variable* | Mean (SD)  | Mean (SD)  | Mean (SD) | Mean (SD)  | Mean (SD)  | Mean (SD) | Mean (SD) | Mean (SD) | Mean (SD) |
| Social Support(range 12-60) | 27.0 (6.7) | 26.6 (7.1) | 27.2 (6.6)  | 26.8 (6.8)  | 27.8 (6.4)  | 27.0 (6.7)  | 25.9 (6.6) | 26.9 (7.0)  | 28.5 (6.4)  |
| StigmatizationDisclosure(range 0-40)Discrimination(range 0-52)Positive aspects(range 0-20) | 18.9 (7.5) 22.5 (7.4)8.2 (3.1) | 17.7 (6.6) 21.8 (7.6)8.8 (2.8) | 18.7 (7.7)25.4 (6.6)9.1 (2.9)  | 18.5 (7.4) 22.8 (7.4)8.5 (2.8) | 17.3 (7.0)23.7 (7.6)8.9 (3.6) | 19.9 (6.8) 23.8 (7.0)8.6 (3.0) | 18.9 (7.6) 23.0 (6.6)8.3 (2.6) | 18.6 (7.0)22.3 (7.2)8.9 (3.0) | 17.6 (7.3) 24.3 (8.6)8.5 (3.3)  |
| Lack of social participation(range -0.5-3.6) | 1.6 (0.7) | 1.6 (0.7) | 1.6 (0.7) | 1.6 (0.7) | 1.5 (0.6) | 1.2 (0.7) | 1.7 (0.6) | 1.6 (0.7) | 1.4 (0.7) |
| Loneliness(range 0-6) | 2.8 (2.0) | 2.5 (1.7) | 2.7 (1.7) | 2.7 (1.9) | 2.6 (1.6) | 3.0 (1.9) | 2.8 (1.9) | 2.7 (1.9) | 2.6 (1.8) |
| Abbreviations: SD = standard deviation. Higher scores indicate poorer outcomes, with the exception of the Social Support outcome |

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| Supplement 2: Results from linear regression model regarding the association between number of cigarettes and levels of loneliness in patients with psychosis (sensitivity analysis). |
| Variables  | Estimate | SE | T | Sig.  |
| (Constant) | 1.574 | 0.710  | 2.218 | 0.027 |
| Cigarettes per day  | -0.017 | 0.008 | 2.045 | 0.042 |
| Age | -0.007  | 0.011 | -0.039 | 0.508 |
| Gender  | -0.257 | 0.232 | -1.109 | 0.268 |
| BPRS total scale  | 1.147 | 0.214 | 0.320 | <0.001 |
| Abbreviations: BPRS = Brief Psychiatric Rating Scale. SE = standard error. Higher scores indicate poorer outcomes |

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| Supplement 3: Results from linear regression model regarding the association between the amount of cannabis and lack of social participation in patients with psychosis (sensitivity analysis). |
| Variables  | Estimate | SE | T | Sig.  |
| (Constant) | 1.587 | 0.285 | 5.566 | <0.001 |
| Amount of cannabis (grams) | -0.092 | 0.074 | -1.247 | 0.214 |
| Age | 0.006 | 0.004 | 1.385 | 0.167 |
| Gender  | -0.022 | 0.091 | -0.247 | 0.805 |
| BPRS total scale  | -0.140 | 0.082 | -1.702 | 0.090 |
| Abbreviations: BPRS = Brief Psychiatric Rating Scale. SE = standard error. Higher scores indicate poorer outcomes.  |

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| Supplement 4: Results from linear regression model regarding the association between alcohol use and social support in patients with psychosis (sensitivity analysis). |
| Variables  | Estimate | SE | T | Sig.  |
| (Constant) | 24.785 | 2.794 | 8.871 | <0.001 |
| Severe alcohol use vs. No use\* | 3.394 | 1.581 | 2.147 | 0.033 |
| Age | -0.019 | 0.042 | -0.447 | 0.655 |
| Gender  | 2.753 | 0.870 | 3.164 | 0.002 |
| BPRS total scale  | -0.910 | 0.793 | -1.147 | 0.252 |
| Abbreviations: BPRS = Brief Psychiatric Rating Scale. SE = standard error. \*No use is the reference category. AUDIT threshold was set at 16 or higher, indicating severe problematic alcohol use.  |

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| Supplement 5: Results of regression models evaluating the associations between polysubstance use, no substance use, and different self-reported aspects of social functioning |
|  | *Polysubstance use vs. No substance use^* |
| *Outcome variable* | Estimate (SE) [95% CI], p-value |
| Social Support | 1.271 (1.103) [-0.902 – 3.443], p = 0.251 |
| Stigmatization - DisclosureStigmatization - DiscriminationStigmatization - Positive aspects | -0.818 (1.348) [-3.476 – 1.839], p = 0.5440.596 (1.318) [-2.003 – 3.195], p = 0.651 1.092 (0.562) [-0.016 – 2.199],p = 0.053  |
| Lack of social participation | -0.058 (0.111) [ -0.277 – 0.161], p = 0.602 |
| Loneliness | -0.569 (0.287) [-1.135 – -0.003], **p = 0.049** |
| Estimate (Standard Error). [95% CI] = 95% Confidence Interval. Higher scores indicate poorer outcomes, with the exception of the Social Support outcome. ^No use is the reference category against which polysubstance use is compared. All estimates are corrected for age, gender, and psychopathology. |