

S1 Table. Risk factors for prolonged length of stay using logistic regression models.

| Characteristic | Odds ratio (95% confidence interval) | | | | |
|---|--------------------------------------|----------------------|----------------------|----------------------|----------------------|
| | Model 1 ^a | Model 2 ^b | Model 3 ^c | Model 4 ^d | Model 5 ^e |
| Sedative-hypnotics (ref = only benzodiazepine receptor agonists/others) | | | | | |
| Barbiturates/non-barbiturates | 2.36 (1.36, 4.04)* | 2.85 (1.60, 5.07)* | 2.74 (1.50, 5.02)* | 3.02 (1.62, 5.64)* | 2.97 (1.60, 5.55)* |
| No sedative-hypnotics | 0.89 (0.35, 1.95) | 1.03 (0.39, 2.38) | 1.15 (0.43, 2.73) | 1.07 (0.38, 2.72) | 1.03 (0.36, 2.62) |
| Antidepressants (ref = only new-generation antidepressants/others) | | | | | |
| Tricyclic antidepressants | 1.18 (0.43, 2.99) | 1.06 (0.38, 2.73) | 0.96 (0.33, 2.59) | 0.83 (0.27, 2.36) | 0.85 (0.27, 2.42) |
| No antidepressants | 1.36 (0.75, 2.63) | 1.09 (0.58, 2.14) | 1.26 (0.66, 2.54) | 1.18 (0.58, 2.52) | 1.18 (0.58, 2.53) |
| Antipsychotics (ref = only second-generation antipsychotics) | | | | | |
| First-generation antipsychotics | 1.04 (0.44, 2.58) | 0.90 (0.37, 2.26) | 0.83 (0.34, 2.13) | 0.78 (0.30, 2.08) | 0.78 (0.30, 2.08) |
| No antipsychotics | 1.06 (0.52, 2.40) | 0.82 (0.39, 1.88) | 0.99 (0.46, 2.36) | 0.96 (0.42, 2.41) | 0.98 (0.43, 2.46) |
| Other classes (ref = without each drug class) | | | | | |
| Mood stabilizers | 0.69 (0.31, 1.37) | 0.89 (0.39, 1.80) | 0.71 (0.30, 1.52) | 0.76 (0.31, 1.72) | 0.75 (0.30, 1.69) |
| Antiparkinson drugs | 1.52 (0.70, 3.00) | 1.64 (0.74, 3.35) | 1.33 (0.58, 2.82) | 1.77 (0.70, 4.18) | 1.76 (0.70, 4.17) |
| Pain killers | 0.65 (0.31, 1.26) | 0.83 (0.38, 1.64) | 1.01 (0.45, 2.06) | 1.27 (0.53, 2.81) | 1.27 (0.54, 2.83) |
| Antiallergy drugs | 1.75 (0.58, 4.35) | 2.26 (0.71, 5.99) | 2.33 (0.71, 6.42) | 2.72 (0.79, 8.06) | 2.67 (0.78, 7.85) |
| Cardiovascular drugs | 1.68 (0.38, 5.20) | 1.48 (0.33, 4.76) | 1.23 (0.27, 4.08) | 1.04 (0.21, 3.95) | 0.97 (0.19, 3.74) |
| Drugs affecting the gut | 0.72 (0.27, 1.60) | 0.65 (0.23, 1.51) | 0.60 (0.21, 1.42) | 0.60 (0.20, 1.53) | 0.59 (0.20, 1.49) |
| Other | 0.49 (0.20, 1.04) | 0.51 (0.20, 1.09) | 0.50 (0.20, 1.10) | 0.57 (0.22, 1.32) | 0.59 (0.22, 1.34) |
| Major diagnosis (ref = adjustment disorders) | | | | | |
| Bipolar disorders | 0.96 (0.26, 2.94) | 1.05 (0.27, 3.34) | 1.24 (0.32, 4.03) | 1.42 (0.34, 4.98) | 1.37 (0.33, 4.83) |
| Major depressive disorders | 2.11 (1.02, 4.63)* | 1.61 (0.74, 3.69) | 1.72 (0.77, 4.05) | 1.86 (0.79, 4.60) | 1.82 (0.77, 4.51) |
| Schizophrenia | 2.64 (1.10, 6.40)* | 2.61 (1.05, 6.57)* | 3.27 (1.28, 8.51)* | 2.76 (0.99, 7.87) | 2.65 (0.95, 7.54) |
| Other | 1.20 (0.56, 2.71) | 1.42 (0.64, 3.28) | 0.78 (0.30, 2.06) | 0.73 (0.27, 1.99) | 0.73 (0.27, 1.99) |
| Other diagnoses (ref = without each diagnosis) | | | | | |
| Borderline personality disorders | 0.81 (0.41, 1.48) | 1.55 (0.75, 3.09) | 2.69 (1.12, 6.21)* | 2.85 (1.12, 7.09)* | 2.87 (1.13, 7.14)* |
| Other personality disorders | 3.66 (1.47, 8.33)* | 3.06 (1.18, 7.28)* | 5.43 (1.89, 14.95)* | 6.75 (2.24, 19.73)* | 6.50 (2.15, 19.12)* |
| Anxiety disorders | 0.48 (0.11, 1.34) | 0.66 (0.15, 1.94) | 1.12 (0.24, 3.84) | 1.18 (0.25, 4.17) | 1.18 (0.25, 4.21) |
| Substance use disorders | 1.36 (0.21, 5.08) | 1.75 (0.26, 6.83) | 2.46 (0.35, 10.72) | 1.76 (0.23, 8.44) | 1.63 (0.21, 7.91) |
| Alcohol use disorders | 1.62 (0.25, 6.19) | 1.15 (0.17, 4.83) | 1.56 (0.21, 7.14) | 1.31 (0.16, 6.77) | 1.49 (0.17, 8.07) |

^a Unadjusted.^b Adjusted for sex and age.^c Adjusted for sex, age, and psychiatric diagnoses.^d Adjusted for sex, age, psychiatric diagnoses, and drug classes ingested.^e Adjusted for sex, age, psychiatric diagnoses, drug classes ingested, and alcohol intake.

ref = reference group.

* $p < 0.05$.