

| Descriptive statistics and nominal associations of medication variables |            |                  |               |         |     |            |            |                    |           |     |                |            |                    |           |     |                |            |                   |           |     |                 |            |                   |           |     |                 |            |                    |           |     |
|-------------------------------------------------------------------------|------------|------------------|---------------|---------|-----|------------|------------|--------------------|-----------|-----|----------------|------------|--------------------|-----------|-----|----------------|------------|-------------------|-----------|-----|-----------------|------------|-------------------|-----------|-----|-----------------|------------|--------------------|-----------|-----|
|                                                                         | compliance |                  |               |         |     | lithium    |            |                    |           |     | antiepileptics |            |                    |           |     | antipsychotics |            |                   |           |     | antidepressants |            |                   |           |     | benzodiazepines |            |                    |           |     |
|                                                                         | compliant  | partly_compliant | non_compliant | p.trend | N   | 0          | 1          | OR                 | p.overall | N   | 0              | 1          | OR                 | p.overall | N   | 0              | 1          | OR                | p.overall | N   | 0               | 1          | OR                | p.overall | N   | 0               | 1          | OR                 | p.overall | N   |
|                                                                         | N=100      | N=128            | N=17          |         |     | N=137      | N=99       |                    |           |     | N=128          | N=117      |                    |           |     | N=169          | N=75       |                   |           |     | N=140           | N=104      |                   |           |     | N=159           | N=83       |                    |           |     |
| age                                                                     | 42 (13)    | 44 (11)          | 46 (13)       | 0.186   | 245 | 44 (13)    | 43 (12)    | 1.0<br>[1.0;1.0]   | 0.579     | 236 | 43 (13)        | 43 (12)    | 1.0<br>[1.0;1.0]   | 0.900     | 245 | 44 (12)        | 43 (13)    | 1.0<br>[1.0;1.0]  | 0.618     | 244 | 43 (13)         | 43 (12)    | 1.0<br>[1.0;1.0]  | 0.772     | 244 | 42 (13)         | 45 (12)    | 1.0<br>[1.0;1.0]   | 0.093     | 242 |
| gender_txt:                                                             |            |                  |               | 0.014   | 245 |            |            |                    | 0.905     | 236 |                |            |                    | 0.642     | 245 |                |            |                   | 1.000     | 244 |                 |            |                   | 0.009     | 244 |                 |            |                    | 0.016     | 242 |
| Men                                                                     | 52 (52%)   | 44 (34%)         | 6 (35%)       |         |     | 59 (43%)   | 41 (41%)   | Ref.               |           |     | 51 (40%)       | 51 (44%)   | Ref.               |           |     | 70 (41%)       | 31 (41%)   | Ref.              |           |     | 69 (49%)        | 33 (32%)   | Ref.              |           |     | 75 (47%)        | 25 (30%)   | Ref.               |           |     |
| Women                                                                   | 48 (48%)   | 84 (66%)         | 11 (65%)      |         |     | 78 (57%)   | 58 (59%)   | 1.1<br>[0.6;1.8]   |           |     | 77 (60%)       | 66 (56%)   | 0.9<br>[0.5;1.4]   |           |     | 99 (59%)       | 44 (59%)   | 1.0<br>[0.6;1.8]  |           |     | 71 (51%)        | 71 (68%)   | 2.1<br>[1.2;3.6]  |           |     | 84 (53%)        | 58 (70%)   | 2.1<br>[1.2;3.7]   |           |     |
| site: FR                                                                | 100 (100%) | 128 (100%)       | 17 (100%)     | .       | 245 | 137 (100%) | 99 (100%)  | Ref.               | .         | 236 | 128 (100%)     | 117 (100%) | Ref.               | .         | 245 | 169 (100%)     | 75 (100%)  | Ref.              | .         | 244 | 140 (100%)      | 104 (100%) | Ref.              | .         | 244 | 159 (100%)      | 83 (100%)  | Ref.               | .         | 242 |
| bipolar_type:                                                           |            |                  |               | <0.001  | 245 |            |            |                    | 0.322     | 236 |                |            |                    | 1.000     | 245 |                |            |                   | 0.045     | 244 |                 |            |                   | <0.001    | 244 |                 |            |                    | 0.018     | 242 |
| 1                                                                       | 91 (91%)   | 81 (63%)         | 12 (71%)      |         |     | 102 (74%)  | 80 (81%)   | Ref.               |           |     | 96 (75%)       | 88 (75%)   | Ref.               |           |     | 120 (71%)      | 63 (84%)   | Ref.              |           |     | 123 (88%)       | 60 (58%)   | Ref.              |           |     | 127 (80%)       | 54 (65%)   | Ref.               |           |     |
| 2                                                                       | 9 (9%)     | 47 (37%)         | 5 (29%)       |         |     | 35 (26%)   | 19 (19%)   | 0.7<br>[0.4;1.3]   |           |     | 32 (25%)       | 29 (25%)   | 1.0<br>[0.6;1.8]   |           |     | 49 (29%)       | 12 (16%)   | 0.5<br>[0.2;0.9]  |           |     | 17 (12%)        | 44 (42%)   | 5.2<br>[2.8;10.2] |           |     | 32 (20%)        | 29 (35%)   | 2.1<br>[1.2;3.9]   |           |     |
| bipolar_duration                                                        | 16 (8-27)  | 17 (11-27)       | 26 (8-34)     | 0.100   | 244 | 17 (9-28)  | 16 (8-24)  | 1.0<br>[1.0;1.0]   | 0.322     | 235 | 16 (8-26)      | 17 (9-27)  | 1.0<br>[1.0;1.0]   | 0.477     | 244 | 17 (8-28)      | 15 (10-23) | 1.0<br>[1.0;1.0]  | 0.725     | 243 | 17 (8-26)       | 16 (10-29) | 1.0<br>[1.0;1.0]  | 0.369     | 243 | 17 (8-27)       | 17 (10-29) | 1.0<br>[1.0;1.0]   | 0.243     | 241 |
| bipolar_AAO                                                             | 22 (18-30) | 22 (18-30)       | 20 (18-28)    | 0.996   | 244 | 22 (18-28) | 22 (18-30) | 1.0<br>[1.0;1.0]   | 0.606     | 235 | 22 (18-30)     | 22 (18-30) | 1.0<br>[1.0;1.0]   | 0.688     | 244 | 22 (18-30)     | 22 (18-30) | 1.0<br>[1.0;1.0]  | 0.792     | 243 | 22 (18-30)      | 22 (18-29) | 1.0<br>[1.0;1.0]  | 0.639     | 243 | 22 (18-29)      | 22 (18-31) | 1.0<br>[1.0;1.0]   | 0.575     | 241 |
| Bipolar_any_psychotic: 1                                                | 76 (77%)   | 64 (51%)         | 8 (47%)       | <0.001  | 241 | 86 (63%)   | 60 (63%)   | 1.0<br>[0.6;1.8]   | 1.000     | 232 | 74 (59%)       | 74 (64%)   | 1.2<br>[0.7;2.0]   | 0.549     | 241 | 91 (54%)       | 56 (77%)   | 2.7<br>[1.5;5.2]  | 0.002     | 240 | 102 (74%)       | 45 (44%)   | 0.3<br>[0.2;0.5]  | <0.001    | 240 | 99 (63%)        | 46 (57%)   | 0.8<br>[0.4;1.3]   | 0.424     | 238 |
| MDE_year                                                                | 0 (0-0)    | 0 (0-0)          | 0 (0-1)       | 0.002   | 208 | 0 (0-0)    | 0 (0-0)    | 1.1<br>[0.8;1.6]   | 0.460     | 202 | 0 (0-0)        | 0 (0-0)    | 0.9<br>[0.6;1.3]   | 0.452     | 208 | 0 (0-0)        | 0 (0-0)    | 1.0<br>[0.7;1.4]  | 0.555     | 207 | 0 (0-0)         | 0 (0-0)    | 1.2<br>[0.9;1.8]  | 0.001     | 207 | 0 (0-0)         | 0 (0-0)    | 0.8<br>[0.5;1.2]   | 0.266     | 205 |
| UP_year                                                                 | 0 (0-1)    | 1 (0-3)          | 2 (0-2)       | 0.018   | 244 | 0 (0-2)    | 0 (0-2)    | 1.0<br>[0.8;1.1]   | 0.637     | 235 | 0 (0-2)        | 0 (0-2)    | 1.0<br>[0.9;1.1]   | 0.464     | 244 | 0 (0-2)        | 1 (0-3)    | 1.1<br>[1.0;1.2]  | 0.015     | 243 | 0 (0-2)         | 1 (0-2)    | 1.2<br>[1.0;1.3]  | 0.048     | 243 | 0 (0-2)         | 1 (0-3)    | 1.2<br>[1.0;1.3]   | 0.022     | 241 |
| sa_ever: 1                                                              | 37 (38%)   | 69 (55%)         | 7 (41%)       | 0.089   | 241 | 57 (42%)   | 50 (52%)   | 1.5<br>[0.9;2.5]   | 0.203     | 232 | 63 (50%)       | 50 (43%)   | 0.8<br>[0.5;1.3]   | 0.377     | 241 | 78 (47%)       | 35 (47%)   | 1.0<br>[0.6;1.8]  | 1.000     | 241 | 60 (43%)        | 52 (51%)   | 1.3<br>[0.8;2.3]  | 0.307     | 240 | 65 (42%)        | 47 (57%)   | 1.8<br>[1.1;3.1]   | 0.038     | 239 |
| current_smoking: 1                                                      | 38 (38%)   | 55 (43%)         | 6 (35%)       | 0.740   | 245 | 52 (38%)   | 43 (43%)   | 1.3<br>[0.7;2.1]   | 0.476     | 236 | 53 (41%)       | 46 (39%)   | 0.9<br>[0.5;1.5]   | 0.839     | 245 | 70 (41%)       | 28 (37%)   | 0.8<br>[0.5;1.5]  | 0.646     | 244 | 57 (41%)        | 42 (40%)   | 1.0<br>[0.6;1.7]  | 1.000     | 244 | 63 (40%)        | 34 (41%)   | 1.1<br>[0.6;1.8]   | 0.949     | 242 |
| Misuse_alcohol_lifetime: 1                                              | 18 (18%)   | 26 (21%)         | 4 (24%)       | 0.523   | 237 | 31 (23%)   | 16 (17%)   | 0.7<br>[0.3;1.3]   | 0.275     | 228 | 23 (18%)       | 25 (22%)   | 1.3<br>[0.7;2.4]   | 0.556     | 237 | 30 (18%)       | 18 (26%)   | 1.6<br>[0.8;3.0]  | 0.248     | 236 | 30 (22%)        | 18 (18%)   | 0.8<br>[0.4;1.5]  | 0.547     | 236 | 27 (17%)        | 21 (27%)   | 1.7<br>[0.9;3.3]   | 0.141     | 234 |
| Misuse_cannabis_lifetime: 1                                             | 10 (10%)   | 15 (12%)         | 2 (12%)       | 0.671   | 239 | 15 (11%)   | 12 (12%)   | 1.1<br>[0.5;2.5]   | 1.000     | 230 | 16 (13%)       | 11 (10%)   | 0.8<br>[0.3;1.7]   | 0.637     | 239 | 10 (6%)        | 17 (24%)   | 4.8<br>[2.1;11.5] | <0.001    | 238 | 16 (12%)        | 11 (11%)   | 0.9<br>[0.4;2.1]  | 1.000     | 238 | 16 (10%)        | 10 (12%)   | 1.3<br>[0.5;2.9]   | 0.763     | 236 |
| Misuse_cocaine_lifetime: 1                                              | 0 (0%)     | 2 (2%)           | 0 (0%)        | 0.425   | 245 | 0 (0%)     | 2 (2%)     | . [.,.]            | 0.175     | 236 | 1 (1%)         | 1 (1%)     | 1.1<br>[<0.1;43.0] | 1.000     | 245 | 0 (0%)         | 2 (3%)     | . [.,.]           | 0.094     | 244 | 0 (0%)          | 2 (2%)     | . [.,.]           | 0.181     | 244 | 1 (1%)          | 1 (1%)     | 1.9<br>[<0.1;75.5] | 1.000     | 242 |
| Misuse_other_lifetime_bis: 1                                            | 3 (3%)     | 3 (2%)           | 0 (0%)        | 0.518   | 236 | 1 (1%)     | 5 (5%)     | 6.5<br>[1.0;174.3] | 0.085     | 227 | 4 (3%)         | 2 (2%)     | 0.6<br>[0.1;3.1]   | 0.685     | 236 | 2 (1%)         | 4 (6%)     | 4.6<br>[0.8;38.2] | 0.070     | 235 | 4 (3%)          | 2 (2%)     | 0.7<br>[0.1;3.8]  | 1.000     | 235 | 4 (3%)          | 2 (3%)     | 1.0<br>[0.1;5.6]   | 1.000     | 233 |