**Appendix Table 2.** Cox regression analyses predicting time-to-treatmenta with any health care professionalb for any symptom by disorder class and any disorder

|  |  |
| --- | --- |
|  | **Any health care professionalb** |
|  | **Mood disorders** |  | **Anxiety disorders** |  | **Behavior disorders** |  | **Substance dependence** |  | **Any disorder** |
|  | **HR (95%CI)** |  | **HR (95%CI)** |  | **HR (95%CI)** |  | **HR (95%CI)** |  | **HR (95%CI)** |
| Male (ref=female) | 0.82 (0.58-1.17) |  | 0.80 (0.58-1.11) |  | 1.07 (0.70-1.64) |  | 0.89 (0.49-1.59) |  | 0.88 (0.69-1.13) |
| Ethnic minority (ref=majority) | 1.02 (0.64-1.64) |  | 0.62 (0.34-1.12) |  | 0.72 (0.30-1.72) |  | ‒h |  | 0.90 (0.59-1.36) |
| Low IQ (ref=high) | 1.33 (0.72-2.46) |  | 1.11 (0.63-1.99) |  | 1.18 (0.46-2.98) |  | 0.70 (0.25-1.93) |  | 1.37 (0.85-2.21) |
| Middle IQ (ref=high) | 1.07 (0.65-1.77) |  | 1.29 (0.80-2.08) |  | 1.52 (0.67-3.41) |  | 0.83 (0.37-1.88) |  | 1.31 (0.88-1.93) |
| Low parental SEP (ref=high) | 1.32 (0.84-2.09) |  | 1.18 (0.76-1.82) |  | 1.22 (0.68-2.19) |  | 1.65 (0.81-3.36) |  | 1.27 (0.91-1.77) |
| Middle parental SEP (ref=high) | 1.36 (0.93-1.98) |  | 1.20 (0.83-1.72) |  | 0.84 (0.49-1.45) |  | 1.23 (0.63-2.40) |  | 1.18 (0.90-1.57) |
| 0 or 1 biological parents (ref=both) | 1.00 (0.73-1.38) |  | 1.41\* (1.04-1.91) |  | 1.23 (0.78-1.93) |  | 1.53 (0.86-2.72) |  | 1.28\* (1.00-1.62) |
| Severe disorder (ref=mild)c | 1.61\*\* (1.20-2.17) |  | 1.51\* (1.07-2.14) |  | 1.38 (0.90-2.13) |  | ‒c |  | 1.57\*\*\* (1.22-2.03) |
| Age at onset 1-5 (ref=16-20) | ‒e |  | 0.22\*\*\* (0.11-0.44) |  | 0.54\* (0.29-0.97) |  | ‒i |  | 0.20\*\*\* (0.12-0.32) |
| Age at onset 6-10 (ref=16-20) | 0.40\*\* (0.22-0.73) |  | 0.35\*\* (0.18-0.68) |  | 0.42\*\* (0.23-0.74) |  | ‒j |  | 0.26\*\*\* (0.17-0.42) |
| Age at onset 11-15 (ref=16-20) | 0.80 (0.58-1.13) |  | 0.59 (0.32-1.09) |  | ‒g |  | 1.00 (0.55-1.85) |  | 0.58\*\* (0.39-0.87) |
| Co-morbid mood disorder (ref=no)d | ‒f |  | 4.97\*\*\* (3.65-6.79) |  | 2.94\*\*\* (1.81-4.78) |  | 2.58\*\* (1.45-4.59) |  | 3.09\*\*\* (2.35-4.06) |
| Co-morbid anxiety disorder (ref=no)d | 1.18 (0.87-1.61) |  | ‒f |  | 1.59\* (1.05-2.41) |  | 1.48 (0.84-2.62) |  | 1.09 (0.83-1.42) |
| Co-morbid behavior disorder (ref=no)d | 1.23 (0.84-1.79) |  | 2.17\*\*\* (1.53-3.06) |  | ‒f |  | 1.90\* (1.08-3.35) |  | 1.49\*\* (1.11-2.01) |
| Co-morbid substance dependence (ref=no)d | 1.68 (0.99-2.87) |  | 1.32 (0.73-2.40) |  | 1.37 (0.56-3.35) |  | ‒f |  | 1.06 (0.65-1.73) |
| Chi-square | 36.7 (13)\*\*\* |  | 310.3 (14)\*\*\* |  | 62.0 (13)\*\*\* |  | 29.4 (10)\*\* |  | 276.2 (15)\*\*\* |
| n events | 190 |  | 199 |  | 99 |  | 56 |  | 314 |
| n censored | 78 |  | 234 |  | 69 |  | 53 |  | 347 |
| n total | 268 |  | 433 |  | 168 |  | 109 |  | 661 |

DSM-IV = Diagnostic and Statistical Manual of Mental Disorders, fourth edition; HR = Hazard ratio; 95%CI = 95% confidence interval; IQ = intelligence quotient; SEP = socio-economic position

a Time-to-treatment for disorders with initial treatment contact after initial symptoms and before the year of onset of the respective full-blown disorder set to 0.

b Lifetime treatment contact and age of initial treatment contact for any health care professional based on the Composite International Diagnostic Interview.

c All substance dependence diagnoses were considered severe.

d Time-dependent covariate.

e Combined with age of onset 6-10 years due to insufficient cases.

f Disorder class is the dependent variable.

g Combined with age of onset 16-20 years (reference category) due to insufficient cases in the reference category.

h Covariate excluded due to insufficient cases.

i Combined with age of onset 11-15 years due to insufficient cases.

\* p<.05 \*\* p<.01 \*\*\* p<.001