

Sensitivity analysis for factor associated with prolonged use of CNSDs – Logistic regression models, estimated using complete case analysis

Independent variable	Bivariate		Multivariate	
	OR (95%CI)	P-value	Adjusted OR (95%CI)	P-value
Sex				
Male	1		1	
Female	2.05 (1.21-3.47)	0.007	1.64 (0.77-3.50)	0.20
Age groups, years				
65-74	1		1	
75-84	2.25 (1.27-4.00)	0.006	2.31 (1.07-5.01)	0.03
≥ 85	3.91 (1.75-8.74)	0.001	3.52 (1.11-11.20)	0.03
Education, years				
Basic education (≤ 10)	1		1	
Secondary education (11-13)	0.26 (0.12-0.54)	<0.001	0.35 (0.13-0.97)	0.04
Higher education (≥ 14)	0.30 (0.14-0.64)	0.002	0.41 (0.15-1.14)	0.09
Income (NOK/year)				
< 200 000	1		1	
200 000 – 349 000	0.63 (0.24-1.68)	0.36	0.48 (0.14-1.67)	0.25
≥ 350 000	0.25 (0.09-0.66)	0.005	0.18 (0.05-0.69)	0.01
Living alone				
No	1		1	
Yes	1.80 (1.08-3.01)	0.03	0.56 (0.25-1.27)	0.17
Polypharmacy (≥ 5 drugs/day)				
No	1		1	
Yes	6.95 (3.13-15.41)	<0.001	4.64 (1.73-12.48)	0.002
Anxiety scores (HADS-A)	1.07 (0.99-1.15)	0.08	1.04 (0.92-1.17)	0.54
Depression scores (HADS-D)	1.15 (1.06-1.26)	0.001	1.08 (0.95-1.23)	0.23
Pain intensity (millimeters on VAS scale)	1.02 (1.01-1.03)	<0.001	1.03 (1.01-1.04)	<0.001
Abbreviations:				
CNSD – central nervous system depressant drugs				
HADS–D/A – hospital anxiety and depression scale, depression or anxiety subscore.				

Sensitivity analysis for factors associated with CNSD misuse or dependence – Logistic regression models, estimated using complete case analysis

Independent variable	Bivariate		Multivariate	
	OR (95%CI)	P-value	Adjusted OR (95%CI)	P-value
Sex				
Male	1		1	
Female	1.54 (0.65-3.67)	0.33	1.50 (0.43-5.25)	0.52
Age, years				
65-74	1		1	
75-84	0.90 (0.34-2.37)	0.83	1.46 (0.36-5.96)	0.60
≥ 85	2.40 (0.75-7.65)	0.14	3.33 (0.55-20.16)	0.19
Education, years				
Basic education (≤10)	1		1	
Secondary education (11-13)	0.62 (0.22-1.77)	0.37	0.96 (0.20-4.60)	0.96
Higher education (≥14)	0.85 (0.31-2.32)	0.75	0.94 (0.22-3.99)	0.93
Income (NOK/year)				
< 200 000	1		1	
200 000 – 349 000	0.92 (0.27-3.21)	0.90	1.67 (0.28-9.95)	0.57
≥ 350 000	0.44 (0.11-1.73)	0.24	0.83 (0.10-6.94)	0.86
Living alone				
No	1		1	
Yes	2.65 (1.14-6.18)	0.02	2.24 (0.53-9.44)	0.27
Polypharmacy (≥ 5 drugs/day)				
No	1		1	
Yes	2.02 (0.39-10.55)	0.41	1.74 (0.14-21.22)	0.66
Concurrent use				
No (exclusive use)	1		1	
Yes	3.5 (1.44-8.54)	0.006	8.77 (2.19-35.10)	0.002
Duration of CNSD use (weeks)	1.00 (0.99-1.00)	0.94	1.00 (0.99-1.01)	0.11
Anxiety scores (HADS-A)	1.08(0.97-1.21)	0.15	1.01 (0.82-1.25)	0.94
Depression scores (HADS-D)	1.05 (0.93-1.19)	0.42	1.01 (0.81-1.27)	0.92
Pain intensity (millimeters, VAS scale)	1.01 (0.99-1.03)	0.08	1.03 (1.01-1.06)	0.009

Abbreviations:

CNSD – central nervous system depressant drugs

HADS–D/A – hospital anxiety and depression scale, depression or anxiety subscore.