

Supplementary Table 4

Factors related to long-term BZD prescription among new BZD users when using different definitions for long-term prescription

	long-term: ≥ 6 months (N=81409)				long-term: ≥ 12 months (N=61857)			
	OR	95% CI	p		OR	95% CI	p	
Age	1.01	1.01 to 1.02	<0.001		1.02	1.02 to 1.02	<0.001	
Sex, male	1.13	1.06 to 1.20	<0.001		1.11	1.01 to 1.22	0.03	
Occupational status, employed	0.98	0.92 to 1.05	0.64		0.97	0.88 to 1.08	0.58	
Cancer	1.32	1.23 to 1.42	<0.001		1.11	0.99 to 1.25	0.07	
Medical specialty, psychiatry	1.78	1.68 to 1.89	<0.001		1.77	1.61 to 1.94	<0.001	
Psychiatric diagnosis								
None	Ref.				Ref.			
Mood disorder (F3)	3.20	2.96 to 3.46	<0.001		3.44	3.04 to 3.88	<0.001	
Neurotic, stress-related and somatic disorder (F4)	1.46	1.36 to 1.57	<0.001		1.53	1.36 to 1.72	<0.001	
Mood and neurotic disorders (F3 and F4)	3.37	3.10 to 3.67	<0.001		3.71	3.25 to 4.23	<0.001	
Other disorders	2.06	1.77 to 2.39	<0.001		2.60	2.09 to 3.24	<0.001	
Multiple BZDs on first prescription	1.40	1.29 to 1.52	<0.001		1.43	1.27 to 1.61	<0.001	
Type of BZD ^a								
Hypnotic	Ref.				Ref.			
Anxiolytic	0.61	0.58 to 0.64	<0.001		0.59	0.54 to 0.64	<0.001	
Both	0.89	0.80 to 0.99	0.04		0.90	0.77 to 1.04	0.14	
Administration instructions ^a								
As needed	Ref.				Ref.			
Regular prescription: 1 week (1-7 days)	1.87	1.75 to 2.00	<0.001		1.98	1.78 to 2.20	<0.001	
Regular prescription: 2 weeks (8-14 days)	1.86	1.74 to 1.99	<0.001		1.83	1.65 to 2.04	<0.001	
Regular prescription: more than 2 weeks (≥ 15 days)	1.75	1.61 to 1.90	<0.001		1.76	1.55 to 1.99	<0.001	
Half-life of BZD ^a								
Short (< 12 h)	Ref.				Ref.			
Medium (12-24 h)	1.12	1.05 to 1.19	<0.001		1.11	1.01 to 1.22	0.03	
Long (≥ 24 h)	1.02	0.95 to 1.09	0.62		0.997	0.900 to 1.10	0.95	

BZD, benzodiazepines and Z-drugs; OR, odds ratio; CI, confidence interval

^a: Characteristics of BZD with the longest prescription days in the first prescription