Supplementary Materials

Migration Background and Treatment-Resistant Depression Despite Cultural and Linguistic Proximity: A Retrospective Cohort Study of Turkish Immigrants from Bulgaria

Table S1. Sensitivity analyses for the association between immigrant status and treatment-resistant depression.

Analysis	n (immigrants)	Adjusted PR (95% CI)	p
Main analysis (all generations)	248 (84)	1.20 (1.10–1.31)	<0.001
First- and second-generation only	217 (53)	1.19 (1.08–1.31)	<0.001
First-generation only	193 (29)	1.18 (1.06–1.33)	0.003
Third-or-earlier generation only	195 (31)	1.23 (1.10–1.37)	<0.001
Reference group without internal migration	180 (84)	1.17 (1.06–1.29)	0.002
Excluding alcohol use disorder/dementia	234 (81)	1.19 (1.08–1.30)	<0.001
Additionally adjusted for psychotic features	247 (84)	1.20 (1.10–1.31)	<0.001
Additionally adjusted for education	247 (84)	1.20 (1.10–1.32)	<0.001
Follow-up duration omitted from the model	249 (84)	1.21 (1.11–1.32)	<0.001
Additionally adjusted for time from first psychiatric hospitalisation to index hospitalisation and previous hospitalisations	248 (84)	1.21 (1.11–1.32)	<0.001
Age at first psychiatric hospitalisation: 16 assigned values treated as missing	233 (78)	1.21 (1.10–1.33)	<0.001

PR, prevalence ratio from modified Poisson regression with robust standard errors. All models adjusted for age, sex, follow-up duration, psychiatric comorbidity and occupational status, except where stated otherwise. Comparisons restricted by generation compare the indicated immigrant subgroup with all non-immigrants.

Table S2. Clinical characteristics across immigrant generations.

	Self-migrated (n = 29)	Parental migration (n = 24)	Earlier generations (n = 31)	p
Age at index hospitalisation, years	50.0 (42.0–60.0)	53.5 (41.2–58.8)	48.0 (37.0–55.0)	0.369 a
Age at first psychiatric hospitalisation, years	44.0 (40.0–54.0)	42.5 (33.0–56.2)	41.0 (27.5–50.5)	0.406 a
Follow-up duration, years	6.0 (3.0–8.0)	6.0 (2.0–7.8)	6.0 (2.0–7.0)	0.774 a
Treatment-resistant depression	28 (96.6)	23 (95.8)	30 (96.8)	1.000 b
Medication change within 6 months	13 (44.8)	13 (54.2)	23 (74.2)	0.069 b
Mood stabiliser use	7 (24.1)	4 (16.7)	7 (22.6)	0.837 b
Psychotic features	9 (31.0)	8 (33.3)	6 (19.4)	0.500 b
Psychiatric comorbidity	9 (31.0)	8 (33.3)	7 (22.6)	0.679 b
Electroconvulsive therapy	7 (24.1)	4 (16.7)	5 (16.1)	0.784 b

Data are median (IQR) or n (%). a Kruskal–Wallis test; b Monte Carlo exact chi-square test (10,000 permutations).