

**Supplementary Table S3. Distributions of depressive symptoms according to the diagnosis of depression.**

Diagnosis of depression <sup>b</sup>	Depressive symptoms <sup>a</sup>		
	No	Mild	Moderate-to-severe
No	22,644 (98.3)	4241 (96.3)	1515 (90.5)
Yes	383 (1.7)	163 (3.7)	160 (9.6)

Event number was presented by column percentages as n (%).

<sup>a</sup>Degree of depression severity was measured by PHQ-9 at the NHIS health screening test from 2019 to 2020. By adding the scores of each 9 items, total score was calculated and categorised by 3 levels: no depressive symptoms (scores of 0–4), mild depressive symptoms (scores of 5–9), moderate-to-severe depressive symptoms (scores of 10–27).

<sup>b</sup>Diagnosis of depression was defined based on the ICD-10 code of F32–F33 after the health screening.

Acronyms: International Classification of Diseases, 10th Revision, ICD-10.