

Supplementary Table 5. Risk factors of depression when limited to patients with no previous history of depression

Variable	HR	95% CI	P>z	
Female sex	1.21	1.16	0.00	1.27
Age (Ref., 20s)				
30s	0.90	0.53	0.70	1.53
40s	0.97	0.58	0.92	1.62
50s	1.17	0.70	0.54	1.95
60s	1.41	0.85	0.19	2.34
70s	1.85	1.11	0.02	3.07
80s	1.94	1.16	0.01	3.25
Type (Ref., no stoma)				
Temporary stoma	0.99	0.85	0.91	1.16
Permanent stoma	1.08	0.91	0.40	1.28
Radiotherapy (Ref., none)				
Pre-operative	0.96	0.89	0.32	1.04
Post-operative	1.10	1.00	0.05	1.21
No. of stoma-making surgeries (Ref., never)				
Once	0.96	0.82	0.58	1.12
Twice	1.26	1.04	0.02	1.53
More than 3 times	1.81	1.31	0.00	2.51
Socioeconomic status (Ref., 16–20 quartile)				
Medicaid	1.56	1.41	0.00	1.73
1–5 quartile	1.08	1.01	0.02	1.15
6–10 quartile	1.07	1.00	0.04	1.14
11–15 quartile	1.05	0.99	0.10	1.11
Missing	0.97	0.82	0.69	1.14
Myocardial infarction	1.05	0.68	0.83	1.61
Congestive heart failure	1.19	0.80	0.39	1.77
Peripheral vascular disease	1.09	0.70	0.70	1.72
Cerebrovascular disease	1.63	1.35	0.00	1.96
Dementia	0.92	0.49	0.78	1.71
Chronic pulmonary disease	1.26	1.05	0.01	1.51
Rheumatic disease	1.34	0.56	0.52	3.22
Peptic ulcer disease	1.19	1.00	0.05	1.42
Mild liver disease	1.09	0.84	0.53	1.40
Diabetes without chronic complication	1.17	1.03	0.02	1.33
Diabetes with chronic complication	1.07	0.80	0.64	1.44
Hemiplegia or paraplegia	0.88	0.50	0.65	1.55
Renal disease	1.07	0.65	0.78	1.76
Moderate or severe liver disease	0.26	0.04	0.18	1.85
Metastatic solid tumor	1.07	0.94	0.28	1.22
AIDS/HIV	0.00	–	–	–

HR, hazard ratio; CI, confidence interval; Ref, reference; AIDS, acquired immune deficiency syndrome; HIV, human immunodeficiency virus.