

Supplementary Table 2. Analysis of other covariates for 90-day mortality

Variable	OR (95% CI)	P-value
Age	1.05 (1.05–1.06)	<0.001
Male sex	1.65 (1.39–1.96)	<0.001
Body mass index (kg/m ²⁺)		
≤18.5	1.72 (1.28–2.31)	<0.001
>18.5, ≤25.0	Reference	
>25.0, ≤30.0	0.92 (0.79–1.08)	0.303
>30.0, ≤35.0	0.82 (0.54–1.25)	0.360
≥35.0	3.61 (1.61–8.07)	0.002
Having a job at surgery	0.91 (0.78–1.03)	0.127
Residence at surgery		
Urban area	Reference	
Rural area	0.90 (0.78–1.03)	0.127
Unknown	1.17 (0.52–2.60)	0.710
Household income level		
Medical aid program	1.17 (0.72–1.88)	0.529
Q1	Reference	
Q2	1.17 (0.93–1.47)	0.178
Q3	1.38 (1.12–1.69)	0.003
Q4	0.92 (0.75–1.13)	0.431
Unknown	1.65 (1.01–2.71)	0.047
Type of cancer surgery		
Lung	Reference	
Gastric	0.40 (0.31–0.51)	<0.001
Colorectal	1.13 (0.91–1.39)	0.266
Esophageal	1.20 (0.78–1.84)	0.400
Small bowel	2.42 (1.78–3.27)	<0.001
Liver	0.73 (0.56–0.95)	0.018
Pancreatic	0.75 (0.56–0.99)	0.045
BD or GB	0.99 (0.76–1.29)	0.951
VATS or laparoscopy	0.38 (0.32–0.44)	<0.001
Charlson comorbidity index	1.29 (1.26–1.32)	<0.001
Disability at surgery		
Mild to moderate	1.11 (0.91–1.37)	0.306
Severe	1.58 (1.13–2.19)	0.007
Year of surgery		
2016	Reference	
2017	1.08 (0.92–1.28)	0.347
2018	1.01 (0.86–1.20)	0.868

OR, odds ratio; CI, confidence interval; BD, bile duct; GB, gall bladder; VATS, video-assisted thoracoscopic surgery.

Patients were divided into 5 groups based on quartile ratios: Q1–Q4 and medical aid program groups.