Table S1 Predictors of composite morbidity and mortality (mood, psychosis, anxiety)

Predictors of composite morbidity and mortality	OR	95% CI		P value
		LCI	UCI	
Mood disorder	1.23	0.70	2.14	0.466
Anxiety disorder	1.11	0.58	2.10	0.758
Psychosis disorder	1.70	0.60	4.54	0.301
Male sex (*vs.* female)	1.71	1.08	2.71	0.022*
Age	0.98	0.95	1.00	0.059
FEV1 predicted	0.98	0.97	0.99	0.002*
BMI	0.96	0.92	1.00	0.047*
Hypertension	1.55	0.90	2.72	0.120
Comorbid CAD	1.41	0.79	2.47	0.238
Diabetes	0.96	0.55	1.65	0.883
Past smoker (*vs.* non-smoker)	1.54	0.70	3.73	0.303
Current smoker (*vs.* non-smoker)	1.18	0.51	2.95	0.703
Lobectomy (*vs.* segmentectomy)	1.17	0.47	3.37	0.750
Bilobectomy (*vs.* segmentectomy)	2.51	0.64	10.11	0.185
Pneumonectomy (*vs.* segmentectomy)	1.29	0.34	5.09	0.707

*, indicates significant association. OR, odds ratio; CI, confidence interval; LCI, lower confidence interval; UCI, upper confidence interval; FEV1, forced expiratory volume in 1 second; BMI, body mass index; CAD, coronary artery disease.

Table S2 Predictors of hospital LOS (mood, psychosis, anxiety)

Predictors of hospital LOS	RR	95% CI		P value
		LCI	UCI	
Lobectomy (*vs.* segmentectomy)	1.31	1.10	1.56	0.002*
Bilobectomy (*vs.* segmentectomy)	1.75	1.39	2.21	<0.001*
Pneumonectomy (*vs.* segmentectomy)	2.27	1.84	2.80	<0.001*
Male sex (*vs.* female)	1.23	1.14	1.32	<0.001*
Age	1.00	1.00	1.01	0.078
FEV1 predicted	0.99	0.99	0.99	<0.001*
BMI	0.99	0.99	1.00	0.002*
Hypertension	1.04	0.96	1.13	0.31
Comorbid CAD	1.00	0.91	1.10	0.97
Diabetes	0.88	0.80	0.96	0.005*
Past smoker (*vs.* non-smoker)	1.06	0.94	1.19	0.38
Current smoker (*vs.* non-smoker)	1.07	0.94	1.21	0.33
Mood disorder	1.13	1.03	1.23	0.007*
Anxiety disorder	1.17	1.05	1.29	0.003*
Psychosis disorder	0.93	0.78	1.10	0.40

*, indicates significant association. LOS, length of stay; RR, risk ratio; CI, confidence interval; LCI, lower confidence interval; UCI, upper confidence interval; FEV1, forced expiratory volume in 1 second; BMI, body mass index; CAD, coronary artery disease.