

Supplementary Table 1. ICD-9-CM codes used for main disease, systemic procedures, local procedure, surgeries, and palliative care

Diagnostic categories		ICD-9-CM codes
Principal diagnosis	Lung cancer	162.0,162.2., 162.3, 162.4, 162.5, 162.8, 162.9
Systemic procedures	Intubation	96.01, 96.02, 96.03, 96.04, 96.05
	Mechanical ventilation	96.70, 96.71, 96.72
	Non-invasive ventilation	93.90
	Infusion of vasopressor or intravascular pressure measurement	0017, 0067, 0068, 0069
	Enteral or parenteral infusion of concentrated nutrition	99.60, 99.15
	Cardiopulmonary resuscitation	99.60
	Blood transfusion	99.00, 99.01, 99.02, 99.04, 99.05, 99.06, 99.07, 99.08, 99.09
	Hemodialysis	39.95, V45.11, V56.0
Local procedures	Thoracentesis or bronchoscopies	32.01, 32.24, 32.28, 33.21, 33.22, 33.23, 33.24, 33.26, 33.27, 33.71, 33.72, 33.72, 33.73, 33.78, 34.91, 34.92
Surgeries	Larynx, pharynx	29.00, 29.11, 29.12, 29.19, 29.39, 29.40, 29.51, 29.54, 29.59, 29.91, 29.99, 30.09, 30.10, 30.21, 30.22, 30.29, 30.30, 30.40, 31.00, 31.48, 31.61., 31.62, 31.71, 31.98
	Trachea	31.10, 31.21, 31.29, 31.30, 31.45, 31.49, 31.50, 31.71, 31.72, 31.73, 31.74, 31.75, 31.79, 31.92, 31.94, 31.99
	Bronchus, lung	32.09, 32.10, 32.20, 32.21, 32.23, 32.25, 32.26, 32.27, 32.29, 32.30, 32.39, 32.41, 32.49, 32.50, 32.59, 33.00, 33.10, 33.20, 33.21, 33.28, 33.29, 33.31, 33.32, 33.33, 33.34, 33.39, 33.41, 33.42, 33.43, 33.48, 33.49, 33.50, 33.51, 33.52, 33.60, 33.91, 33.92, 33.93, 33.99
	Chest wall, pleura	34.01, 34.02, 34.03, 34.04, 34.05, 34.06, 34.09, 34.10, 34.20, 34.21, 34.22, 34.23, 34.24, 34.26, 34.28, 34.29, 34.30, 34.40, 34.51, 34.52, 34.59, 34.60, 34.71, 34.72, 34.73
Palliative care		V66.7

Notes: ICD-9-CM, International Classification of Diseases, 9th revision, Clinical Modification