

Appendix 1. ICD-10-CM codes corresponding to causes of death analysed.

Cause of death	ICD-10-CM code
Cancer	C00-D46
Mental diseases	F00-f99
Nervous system	G00-G99
Circulatory system	I00-I99
Respiratory system	J00-J99
Kidney diseases	K70-K77

Appendix 2. ICD-10-PCS codes corresponding to procedures during the last year of life analysed.

Procedures	ICD-10-PCS code
Amputation	77.59, 84.0*, 84.1*, 84.3, 84.91
Antibiotics	99.21, 99.22, 00.14
Artificial nutrition	99.15, 96.6*, 97.01, 97.02, 96.08, 96.07
Cardiopulmonary resuscitation	99.60
Dialysis	50.92, 54.98, 39.95
Endoscopy	33.7*, 49.21, 33.23, 33.21, 33.24, 33.22, 33.27, 57.32, 57.31, 45.23, 45.22, 52.13, 42.23, 42.22, 44.13, 44.12, 29.11, 70.22, 45.13, 45.12, 45.24, 45.22, 45.23, 45.13, 45.12, 45.13, 45.16, 31.42, 31.41, 34.22, 54.21, 48.23, 48.22, 55.21, 34.21, 34.22, 34.21, 31.42, 31.41, 56.31, 58.22, 68.12, 70.21, 51.11, 51.10, 51.98, 51.96, 42.24, 45.14, 45.25, 31.43, 31.44, 48.24, 55.22, 56.33, 56.35, 57.21, 68.15, 68.16, 51.14
Intubation	96.04, 96.01, 96.02
IV fluids/drugs	99.1*, 99.2*
Mechanical ventilation	96.7*, 93.90-93.99
Nasogastric probe	96.07
Ostomy**	43.11, 46.1, 45.49, 45.71, 45.79, 45.8, 46.2, 45.34, 45.61, 45.63
Pain treatment	03.90, 03.91, 05.23, 05.24
Thoracentesis	34.04, 34.91
Tracheostomy	31.1-31.29, 30.3, 30.4, 96.55
Transfusion	99.0*

**Gastrostomy, ileostomy, colostomy, and resections.

Note: Surgery, palliative care, transplant, emergencies, and transfers have been identified through the hospital discharge database.