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, 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, 45.1, 31.41, 34.22, 34.21, 34.12, 34.11, 56.31, 58.22, 68.12, 70.21, 51.11, 51.10, 51.98, 51.96, 42.24, 45.14, 45.25, 45.23, 31.43, 48.24, 55.22, 56.33, 56.35, 57.21, 68.15, 68.16, 51.14 |
| Endoscopy              | 96.04, 96.01, 96.02 |
| Intubation             | 96.7*, 93.90-93.99 |
| IV fluids/drugs        | 99.1*, 99.2*     |
| Mechanical ventilation | 96.07            |
| Nasogastric probe      | 43.11, 46.1, 45.49, 45.71, 45.79, 45.8, 46.2, 45.34, 45.61, 45.63 |
| Ostomy**               | 34.04, 34.91     |
| Pain treatment         | 31.1-31.29, 30.3, 30.4, 96.55 |
| Thoracentesis          | 03.90, 03.91, 05.23, 05.24 |
| Tracheostomy           | 03.90, 03.91, 05.23, 05.24 |
| Transfusion            | 43.11, 46.1, 45.49, 45.71, 45.79, 45.8, 46.2, 45.34, 45.61, 45.63 |

**Gastrostomy, ileostomy, colostomy, and resections.

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