Appendix Table 1. Most Common Primary Discharge Diagnosis Category\*

|  |  |
| --- | --- |
| **Cases** Category (%) | **Controls**Category (%) |
| Maintenance chemotherapy; radiotherapy (5.9) | Cardiac and circulatory congenital anomalies (6.6) |
| Complication of device; implant or graft (5.4) | Other congenital anomalies (5.4) |
| Cardiac and circulatory congenital anomalies (4.5) | Liveborn (5.0) |
| Complications of surgical procedures or medical care (3.4) | Epilepsy; convulsions (4.9) |
| Epilepsy; convulsions (3.2) | Acute and chronic tonsillitis (3.5) |
| Other congenital anomalies (2.9) | Pneumonia (3.0) |
| Appendicitis and other appendiceal conditions (2.5) | Other bone disease and musculoskeletal deformities (3.0) |
| Regional enteritis and ulcerative colitis (2.4) | Other perinatal conditions (2.4) |
| Liveborn (2.0)  | Complication of device; implant or graft (2.4) |
| Diseases of white blood cells (1.9) | Digestive congenital anomalies (2.2) |
| Cystic fibrosis (1.7) | Other nervous system disorders (2.0) |
| Acute and chronic tonsillitis (1.7) | Other upper respiratory infections (2.0) |
| Asthma (1.7) | Appendicitis and other appendiceal conditions (2.0) |
| Pneumonia (1.5) | Other and unspecified benign neoplasm (1.9) |
| Digestive congenital anomalies (1.5) | Acute bronchiolitis (1.7) |
| Other perinatal conditions (1.5) | Skin and subcutaneous tissue infections (1.7) |
|  | Asthma (1.5) |
|  | Disorders of teeth and jaw (1.5) |
|  | Fracture of lower limb (1.5) |

\* Category based on the Agency for Healthcare Research and Quality Clinical Classification Software.28 All diagnoses with at least 1.5% of population displayed. Displayed diagnoses account for 44% and 56% of controls.

Appendix Table 2. Types of medical technology prior to admission and new during admission

|  |  |
| --- | --- |
|  | Technology Type |
| Central lines (including PICC) Number | Non-surgically placed enteral feeding tubeNumber | Surgically placed enteral feeding tubeNumber | Ventricular shuntNumber | TracheostomyNumber |
| Technology assistance at discharge, in place prior to admission | 107\* | 17 | 73 | 35 | 22 |
| New Technology | 77 | 57 | 12 | 5 | 5 |

\*An additional 11 children were admitted with central lines but these were discontinued prior to discharge.