

**Supplementary Table 3.** International Classification of Diseases, Ninth and Tenth Revisions, Clinical Modification (ICD-9-CM and ICD-10-CM) codes used to identify procedures

Procedure	ICD-9-CM codes	ICD-10-CM codes
Mechanical ventilation	9670, 9671, 9672	5A1935Z, 5A1945Z, 5A1955Z
Hemodialysis	3895, 3995, V4511, V560, V561	Z4901, 5A1D00Z, 5A1D60Z, 5A1D70Z, 5A1D80Z, 5A1D90Z
Blood transfusion	9900, 9901, 9902, 9903, 9904, 9905, 9906, 9907, 9908, 9909, V582	30233N1, 30243N1, 30253K1, 30243K1, 30253L1, 30243L1, 30233R1, 30243R1, 30240N0, 30240N1, 30230N0, 30230N1, 30240K0, 30240K1, 30240L0, 30240L1, 30240M0, 30240M1, 30230L0, 30230L1, 30230M0, 30230M1, 30240R0, 30240R1, 30230R0, 30230R1