

Supplement Table 1. International Classification of Diseases (ICD-10) code for medical comorbidities

Hypertension	I10 Essential (primary) hypertension
CKD	N18 Chronic kidney disease (CKD) N18.1 Chronic kidney disease, stage 1 N18.2 Chronic kidney disease, stage 2 (mild) N18.3 Chronic kidney disease, stage 3 (moderate) N18.30 Chronic kidney disease, stage 3 unspecified N18.31 Chronic kidney disease, stage 3a N18.32 Chronic kidney disease, stage 3b N18.4 Chronic kidney disease, stage 4 (severe) N18.5 Chronic kidney disease, stage 5 N18.6 End stage renal disease N18.9 Chronic kidney disease, unspecified
Congestive heart failure	I50 Heart failure I09.81 Rheumatic heart failure I11.0 Hypertensive heart disease with heart failure I13.0 Hypertensive heart and chronic kidney disease with heart failure and stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease I13.2 Hypertensive heart and chronic kidney disease with heart failure and with stage 5 chronic kidney disease, or end stage renal disease
Coronary artery disease	I25 Chronic ischemic heart disease
Diabetes mellitus	E08 Diabetes mellitus due to underlying condition E09 Drug or chemical induced diabetes mellitus E10 Type 1 diabetes mellitus E11 Type 2 diabetes mellitus E13 Other specified diabetes mellitus
Atrial fibrillation	I48 Atrial fibrillation and flutter
Hyperlipidemia	E78 Disorders of lipoprotein metabolism and other lipidemia
Dementia	F03.9 Unspecified dementia
HIV	B20 Human immunodeficiency virus [HIV] disease
Alcohol use	F10 Alcohol related disorders
Opioid use	F11 Opioid related disorders
Cannabis use	F12 Cannabis related disorders
Cocaine use	F14 Cocaine related disorders
Trauma	S00-S09 Injuries to the head S10-S19 Injuries to the neck S20-S29 Injuries to the thorax S30-S39 Injuries to the abdomen, lower back, lumbar spine, pelvis and external genitals S40-S49 Injuries to the shoulder and upper arm

	S50-S59 Injuries to the elbow and forearm S60-S69 Injuries to the wrist, hand and fingers S70-S79 Injuries to the hip and thigh S80-S89 Injuries to the knee and lower leg S90-S99 Injuries to the ankle and foot T07-T07 Injuries involving multiple body regions T14-T14 Injury of unspecified body region
--	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Supplement Table 2. International Classification of Diseases (ICD-10) code for complications

Hyperkalemia	E875 Hyperkalemia
Electrolyte abnormality	E870 Hyperosmolality and hypernatremia E871 Hypo-osmolality and hyponatremia E875 Hyperkalemia E876 Hypokalemia E833 Disorders of phosphorus metabolism and phosphatases E834 Disorders of magnesium metabolism E835 Disorders of calcium metabolism
DIC	D65 Disseminated intravascular coagulation [defibrination syndrome]
Hypovolemic shock	R571 Hypovolemic shock
Mechanical ventilation	0BH17EZ Insertion of Endotracheal Airway into Trachea, Via Natural or Artificial Opening 5A1935Z Respiratory Ventilation, Less than 24 Consecutive Hours 5A1945Z Respiratory Ventilation, 24-96 Consecutive Hours 5A1955Z Respiratory Ventilation, Greater than 96 Consecutive Hours
Hemodialysis	Z99.2 Dependence on renal dialysis Z49.01 Encounter for fitting and adjustment of extracorporeal dialysis catheter 5A1D70Z Performance of Urinary Filtration, Intermittent, Less than 6 Hours Per Day 5A1D80Z Performance of Urinary Filtration, Prolonged Intermittent, 6-18 hours Per Day 5A1D90Z Performance of Urinary Filtration, Continuous, Greater than 18 hours Per Day