

## Supplemental Tables

## Supplemental Table 1.

<b>Condition</b>	<b>ICD-10 family or specific codes</b>
<b>LAL Deficiency</b>	E755
<b>Fracture</b>	
Cervical vertebra and other parts of neck	S12 family
Thoracic vertebra	S220 family
Lumbar spine and pelvis	S32 family
Shoulder and upper arm	S42 family
Forearm	S52 family
Femur	S72 family
Lower leg, including ankle	S82 family
Stress fracture, site unspecified	M843 family
Pathological fracture, not elsewhere classified, site unspecified	M844 family
Non-traumatic fracture, not elsewhere classified, site unspecified	M847 family
Osteoporosis with current pathological fracture, site unspecified	M80 family
<b>Osteoporosis</b>	
With or without current pathological fracture	M80 family, M81 family
<b>Ischemic heart disease</b>	
Angina pectoris; acute myocardial infarction; subsequent ST elevation (STEMI) and non-ST elevation (NSTEMI) myocardial infarction; chronic ischemic heart disease	I20-22 families, I25 family
<b>Cerebrovascular disease</b>	
Nontraumatic subarachnoid or intracerebral hemorrhage; other and unspecified nontraumatic intracranial hemorrhage; cerebral infarction; occlusion and stenosis of precerebral or cerebral arteries, not resulting in cerebral infarction; other cerebrovascular diseases; cerebrovascular disorders in diseases classified elsewhere	I60-68 families
<b>Heart failure</b>	
Hypertensive heart disease with heart failure; hypertensive heart and chronic kidney disease with heart failure, and stage 1 through stage 5 chronic kidney disease, or end stage renal disease, or unspecified chronic kidney disease;	I11.0, I13.0, I13.2, I50 family
<b>Hypertension</b>	
Essential (primary) hypertension; hypertensive heart, chronic kidney disease, or heart and chronic kidney disease; secondary hypertension; hypertensive crisis	I10-16 families
<b>Type 2 diabetes mellitus</b>	E11 family

International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10) codes used to identify conditions.