

**Supplemental Material:
Appendix 1
ICD 10 CM codes**

Liver transplant code: Z944

Hip replacement procedure code: 0SR9, 0SRA, 0SRB, 0SRE, 0SRR, 0SRS.

Knee replacement procedure code: 0SRT, 0SRU, 0SRV, 0SRW, 0SRC, 0SRD

Coronary artery disease: I20, I21, I22, I23, I24, I25

Chronic kidney disease: N183, N184, 1N185, N186, Z992.

Morbid obesity: Z684

OSA: G4733

Acute kidney injury: N17,N990,R944

GI bleeding:

**K922,K921,K920,I8501,I8511,K2211,K2971,K50911,K51411,K51911,K51011,
K51211,K51311,K50111,K50811,K5793,K5713,K5731,K5733,K5781,K5712,K
5711,K5721,K5701,K2981,K649,K2901,K2921,K2931,K2941,K2951,K2961,K2
991,K31811,I864,K51511,K51811,K644,K648,K226,K228,K250,K251,K252,K
253,K254,K255 ,K256**

Prosthetic device infection: T82817A