

Supplementary Table 1 ICD-9 diagnostic and procedure codes

Variable/Outcome	ICD 9 Codes
<i>Clostridioides Difficile</i> Infection	008.45
Nonalcoholic fatty liver disease	571.8
Viral liver disease	070.1, 070.20-070.23, 070.30-070.33, V0261 070.41, 070.44, 070.51, 070.54, 070.70, 070.71, V0262
Hemochromatosis	275.01-275.03
Primary biliary cholangitis	571.6
Autoimmune hepatitis	571.42
Other unspecified liver diseases	572.0: Abscess of liver 572.1: Portal pyemia 573.8: Liver disorders, nonspecific and toxic liver disease 789.59: Other ascites 790.4: Nonspecific elevation of levels of transaminase and lactic acid dehydrogenase 790.5: Abnormal levels of other serum enzymes 794.8: Abnormal results of liver function studies
Previous organ recipients and donors	V420-V422, V424-427, V428, V599
Diabetes	249.00-249.31, 250.00-250.33, 648.00- 648.04, 249.40-249.91, 250.40-250.93, 775.1
Obesity	278.0
Tobacco use	305.1, 305.10-305.13, V1582

Cirrhosis	571.2, 571.5
Ascites	789.51, 789.59
Variceal bleeding	456.0, 456.20
Portal hypertension	572.3
Hepatic encephalopathy	572.2
Hepatorenal syndrome	572.4
Spontaneous bacterial peritonitis	567.23
Acute kidney injury	584.5-584.9, 586
Septic shock	785.52
Respiratory failure	518.81, 518.82, 518.84, 799.1, 769, V461.2, V462
Intestinal perforation	569.83
Intestinal obstruction	560.0-560.3, 560.39, 560.81, 560.89, 560.9
Peritonitis	567.0, 567.21-567.23, 567.29, 567.38-567.39, 567.81, 567.89, 567.9, 569.5
Colectomy	173.1-173.6, 173.9, 457.1-457.6, 457.9, 581.1-581.3
Ileostomy	462.0-462.4, 463.1-463.2, 463.9

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