

Supplementary Table 2. ICD-10 codes for complications

	ICD-10 codes or HIRA general name code
Severe complications	
Oxygen therapy	M0040, M0046, M5850, M5857, M5858, M5859, M5860
Vasopressors	Norepinephrine: 2031 Epinephrine: 3138, 1526, 6694 Vasopressin: 2473 Dopamine: 1487, 3894, 3895, 3897, 4295 Dobutamine: 1482, 3890, 3996
Admission for intensive care unit	Claim codes including 'AJ'
Continuous renal replacement therapy	O7031, O7032, O7033, O7034, O7035, O7051, O7052, O7053, O7054, O7055
Liver cirrhosis related complications	
Varix	At least 1 or more medical record by year via I850, I859, At least 1 or more medical record by year via I850, I859 & K74 Prescribed with beta-blocker (2199, 1250, 6622) along with K74
Ascites	At least 1 or more medical record by year via R18 & K74 Prescribed with diuretic (1638, 2420, 2627, 2311) along with K74 Prescribed with albumin (2271, 3697) along with K74 and abdominal paracentesis (C8050)
Hepatorenal syndrome	At least 1 or more medical record by year via K767 Prescribed with terlipressin (2360) & albumin (2271, 3697) for more than 4 days
Spontaneous bacterial peritonitis	At least 1 or more medical record by year via K658, K659, K74, and abdominal paracentesis (C8050) simultaneously
Encephalopathy	Prescribed with duphalac (1808) along with K74 Prescribed with duphalac (1808) along with enema procedure

ICD-10, International Classification of Diseases, 10th revision; HIRA, Health Insurance Review and Assessment Service.