**Suppl 1.** ICD-10 codes, procedure codes, and CPT codes

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| **Outcome** | **ICD-10 codes** | **CPT codes** | **Procedure codes** |
| Mortality | R99 | None | None |
| Delirium tremens | F10.231 | None | None |
| Colonoscopy/endoscopy | Z12.11 | 45378, 45380, 45385 (colonoscopy)  43235, 43239 (endoscopy) | 45.23 (colonoscopy), 44.43 (EGD) |
| Liver transplant rejection | T86.41 | None | None |
| Hepatorenal syndrome (HRS) | K76.7 | None | None |
| ICU admission | None | 99291-99292 (critical care management) | None |
| Hepatic encephalopathy (HE) | K76.82 | None | None |
| Sarcopenia | M62.84 | None | None |
| Liver transplant status | Z94.4 | None | None |
| Liver transplant failure | T86.41, T86.42 | None | None |
| Unspecified complication of liver transplant | T86.40 | None | None |
| Complications of liver transplant | T86.4 | None | None |
| Liver transplant infection | T86.43 | None | None |