**Supplementary table 1: International Classification of Diseases, Tenth Revision, Clinical Modification codes**

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| **Medical Term** | **ICD⁠-⁠10⁠-⁠CM codes** |
| Crohn’s disease | K50, K50.0, K50.00, K50.01, K50.011, K50.012, K50.013, K50.014, K50.018, K50.019, K50.1, K50.10, K50.11, K50.111, K50.112, K50.113, K50.114, K50.118, K50.119, K50.8, K50.80, K50.811, K50.812, K50.813, K50.814, K50.818, K50.819, K50.9, K50.90, K50.91, K50.911, K50.912, K50.913, K50.914, K50.918, K50.919 |
| NAFLD | K760, K7581 |
| Hypertension | E210, N2581, I130 |
| Diabetes Mellitus | E0800, E0900, E1010, E1100, E1300 |
| Dyslipidemia | E780, E7800, E7801, E781, E782, E783, E784, E7841, E7849, E7849, E785 |
| Obesity | E65, E6601, E6609, E661, E662, E663, E668, E669 |
| Hepatic failure | K7290 |
| Acute kidney failure, unspecified | N179 |
| Clostridium difficile enterocolitis | A047, A0471, A0472 |
| Pneumonia, unspecified organism | J189 |
| End stage renal disease | N186, N19 |
| Primary biliary cirrhosis | K743 |
| Primary sclerosing cholangitis | K8301 |
| Gallstone disease | K8020, K8000, K8001, K8010, K8011, K8012, K8013, K8018, K8019, K8021 |
| Thrombocytopenia | D696, D6959, D695, D6949, D6942, D6941, D694, D693 |
| Hypercalcemia | E8352 |
| Hypokalemia | E876 |
| Sepsis, unspecified organism | A419 |
| Pseudocyst of pancreas | K863 |
| Ileus | K567 |
| Dehydration | E860 |
| Urinary tract infection | N390 |
| Peritoneal adhesions | K660 |