Supplementary table 1: List of ICD⁠-⁠10⁠-⁠CM codes used in the study

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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 |
| NASH | K7581 |
| Alcoholic fatty liver | K700 |
| Hypertension | E210, N2581 |
| Metabolic syndrome | E8881 |
| Diabetes Mellitus | E08-E13 |
| Dyslipidemia | E780, E7800, E7801, E781, E782, E783, E784, E7841, E7849, E7849, E785 |
| Obesity | E65, E6601, E6609, E661, E662, E663, E668, E669 |
| Abnormal results of liver function studies | R945, R7401 |
| Vitamin A deficiency | E500, E501, E502, E503, E504, E505, E506, E507, E508, E509, E641  |
| Pyridoxine deficiency  | E531 |
| Vitamin D deficiency  | E559 |
| Vitamin K deficiency | E561 |
| Vitamin E deficiency | E560 |
| Vitamin B12 deficiency | D510, D511, D512, D513, D518, D519 |
| Niacin deficiency  | E52 |
| CD with Fistula | K50013, K50113, K50813, K50913 |
| CD with rectal bleeding | K50011, K50111, K50811, K50811 |
| CD with abscess | K50014, K50114, K50814, K50914 |
| CD with Intestinal obstruction | K50012, K50112, K50812, K50912 |
| Sepsis, unspecified organism | A419 |
| Hepatic failure, unspecified with coma | K7290 |
| Acute kidney failure, unspecified | N179 |
| Unspecified/other cirrhosis of liver | K7460¸ K7469 |
| Crohn's disease of small intestine with intestinal obstruction | K50012 |
| Enterocolitis due to Clostridium difficile | A047 |
| Hypertensive heart and chronic kidney disease | I130 |
| Pneumonia, unspecified organism | J189 |
| Acute and subacute hepatic failure without coma | K7200 |
| Thrombocytopenia  | D696, D6959, D695, D6949, D6942, D6941, D694, D693 |
| Clostridium difficile enterocolitis  | A047, A0471, A0472 |
| Portal Hypertension | K766 |