**Table S1. Diagnosis codes according International Classification of Diseases version 9 (ICD-9) and 10 (ICD-10), and International Classification of Primary Care (ICPC-2) used to identify diagnoses**

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| **Diagnosis** | **ICD-9** | **ICD-10** | **ICPC-2** |
| Acute alcohol intoxication | 303.0\*571.1\*980.0\* E860.0\* to E860.1\* | F10.0\* T51.0\* X45.\* X65.\* Y91.0\* to Y91.3 | P16 |
| Acute myocardial infarction | 410.\*412.\* | I21.\* to I24.9\*I25.2\* | K75 |
| Acute renal failure | 584.\* | N17.\* | - |
| Alcoholism | 303.9\*305.0\*571.0\*571.2\* to 571.3\* | F10.2\* G31.2\* K70.\* Y91.9\*Z72.1\* | P15 |
| Arterial hypertension | 362.11401.\* to 405.\*437.2\* | I10.\* to I15.\* H35.0\* | K85 to K87 |
| Cerebrovascular disease | 430.\* to 438.\* | G45.\* to G46.\*I60.\* to I67.1\* | K90K91 |
| Chronic obstructive pulmonary disease | 496.\* | J43.\* to J44.\* | R95 |
| Chronic respiratory disease | 490.\* to 496.\*500.\* to 506.\*508.1\*515.\* to 516.\*518.8\* | J40.\* to J47.\* J60.\* to J67.\* J70.3\* M05.1\* | R79 R96 |
| Cocaine use | 304.2\*305.6\*970.81 | F14.\* | - |
| Connective tissue disease | 710.\*714.\*725.\* | M05.\* to M06.\*M30.\* to M36.0\* | L88 |
| Cyanide, ethylene glycol, diethylene glycol, propylene glycol, or methanol intoxication | 980.1\*982.8\*989.0\* E860.2\*E862.4\* E950.9\* | T51.1\* T52.3\* T57.3\* T65.0\* | - |
| Decompensated liver disease | 567.23572.2\*789.5\* | R18.\* | - |
| Dehydration | 276.51 | E86.\* | T11 |
| Dementia | 290.\*294.1\*331.0\* to 331.2\* | F00.\* to F03.\* F05.1\*G30.\* G31.1\* | P05 P70 |
| Diabetes mellitus type 1 | 250.01250.03250.21250.23250.31250.33250.41250.43250.51250.53250.61250.63250.71250.73250.81250.83250.91250.93 | E10.\* | T89 |
| Diabetes mellitus type 2 | 250.00250.02250.20250.22250.30250.32250.40250.42250.50250.52250.60250.62250.70250.72250.80250.82250.90250.92 | E11.\* | T90 |
| Diabetes with complications (and target organs complications) | 250.40250.42250.50250.52250.60250.62250.70250.72250.80250.82250.90250.92357.2\*362.01 to 362.07366.41 | E11.0\* to E11.8\*G59.0\* H28.0\* H36.0\* M14.2\* N08.3\* | - |
| Diabetic ketoacidosis | 250.1\* | - | - |
| Dyslipidemia | 272.0\* to 272.4\* | E78.0\* to E78.5\* | T93 |
| Gastroduodenal ulcer | 531.\* to 534.\* | K25.\* to K28.\* | D85D86 |
| Gastroenteritis, vomiting or diarrhea | 003.0\*009.0\* to 009.3\*558.\*564.3\* to 564.5\*787.01787.03 to 787.04787.91 | A00.\* to A09.\* F50.5\*K52.\* K58.0\* K59.1\*K91.0.\* R11.\* | D10 D11 D70 D73 |
| Generalized seizures | 345.1\* to 345.5\*780.3\* | G40.\* to G41.\*R56.8 | N07 |
| Heart failure | 398.91402.01402.11402.91404.1\*404.3\*425.\*428.\*429.4\* | I09.81 I11.0\* I13.0\* I13.2 I42.\* I50.\* I97.13 | K77 |
| Hemiplegia | 342.\*438.2\* | G81.\* | N18 |
| Human immunodeficiency virus disease | 042.\* V08.\* 795.71 | B20.\* B21.\* B22.\* B23.\* B24.\*R75.\* Z21.\* | B90 |
| Malignancy (excluding cutaneous malignacies other than melanoma; included pheochromocytoma) | 141.\* to 172.\*174.\* to 209.36209.7\*230.\*233.\* to 238.1\*238.3\* to 239.1\*239.3\* to 239.9\*258.01 to 258.03511.81789.51V10.\* V71.1\* | C01.\* to C43.9\* C45.\* to C97.\* D00.\* to D03.\* D05.\* to D09.\* D37.\* to D48.4\* D48.6\* to D48.9\* | A79B72 to B74 D74 to D77 F74H75 K72 L71 N74 N76 R84 R85 R92 T71 T73U75 to U77 U79W72X75 to X77 X81Y77 to Y78 |
| Mild liver disease | 070.1\*571.0\* to 571.1\*571.3\*571.8\* to 571.9\*573.1\* to 573.2\* | B15.9\*K70.0\* to K70.2\* K70.9\*K74.0\* to K74.1\* K76.0\* to K76.1\* K76.8\* to K76.9\* | D23 |
| Moderate-severe liver disease | 070.0\*070.2\* to 070.7\*456.0\* to 456.2\*567.23570.\*571.2\*571.4\* to 571.6\*572.0\* to 573.\*789.5\* | B15.0B16.\* to B19.0\* I85.\*K70.3\* to K70.4\* K71.\* to K73.\* K74.2\* to K75.\* K76.3\*K76.6\* to K76.7\* R18.\* | D97 |
| Organ transplantation | 00.91 to 00.9307.9411.6011.6933.5\* to 33.6\*37.5141.0\*41.9446.9750.5\*52.8\*55.6\*63.5365.9283.75996.8\* V42.\* V58.44E878.0\* | Z94.\* T86.\* Y83.0\* | - |
| Peripheral arterial disease | 441.\*443.0\* to 443.81443.9\* | I70.\* I71.\* I73.\* I79.0\*Z95.8\* to Z95.9\* | K92 |
| Procedures with use of iodine contrast | 00.60 to 00.6617.7137.21 to 37.2339.5039.7\*39.9044.4487.0287.05 to 87.0887.13 to 87.1587.2187.31 to 87.3587.3887.5\*87.6687.73 to 87.7887.83 to 87.8487.9187.93 to 87.9488.03 to 88.9488.13 to 88.1588.3488.3688.4\* to 88.6\* | - | - |
| Respiratory failure | 518.5\*518.81 to 518.82 | J80.\*J95.1\* to J95.2\* J96.0 | - |
| Sepsis | 038.\*785.52995.91 to 995.92 | A40.\* to A41.\* | - |
| Shock | 785.5\*995.4\*995.6\*994.8\*639.5\*669.1\*998.00 to 998.02998.09994.0\*958.4\* | A48.3\* R57.\* T78.0\* T78.2\* T88.2\* T88.6\* | - |
| Surgery and other procedures with general, spinal or epidural anesthesia | 00.3\* to 00.4800.50 to 00.5800.60 to 00.6600.7\* to 00.9\*01.\* to 16.\*17.1\* to 17.6\*18.\* to 20.\*21.04 to 21.1\*21.22 to 21.8922.\*23.1\*25.2\* to 25.9\*26.2\* to 27.1\*27.3\* to 28.0\*28.2\* to 29.0\*29.2\* to 33.4\*33.7\* to 35.\*36.0336.06 to 36.9\*37.1\* to 37.4\*37.52 to 37.9137.94 to 38.1\*38.3\* to 38.8\*39.0\* to 39.9140.\*41.1\* to 46.8246.85 to 46.9446.97 to 50.4\*51.\* to 52.7\*52.9\* to 54.9555.0\* to 55.5\*55.7\* to 56.\*57.1\* to 57.9257.96 to 58.5\*58.9\* to 62.7\*63.\* to 67.0\*67.2\* to 67.6\*68.0\*68.14 to 69.7\*69.93 to 70.1\*70.23 to 70.9\*71.5\* to 71.9\*74.\*75.5\* to 75.6\*75.91 to 75.9376.\* to 78.\*79.1\* to 79.3\*79.5\* to 79.6\*79.8\* to 83.9583.99 to 85.0\*85.2\* to 85.9\*86.4\* to 86.99 | - | - |
| Thiamine deficiency | 265.\* | E51.\* | - |