Supplementary Table: Used ICD-10 codes

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|  | ICD-10 codes |
| **Diagnosis codes** |  |
| Non-variceal upper GI bleed |  |
| Acute Peptic Ulcer with hemorrhage, site unspecified | K27.0 |
| Ulcer of esophagus with bleeding | K22.11 |
| Acute duodenal ulcer with hemorrhage | K26.0 |
| Angiodysplasia of stomach and duodenum with bleeding | K31.811, K31.819 |
| Dieulafoy lesion of stomach and duodenum | K31.82 |
| Mallory weiss syndrome with hemorrhage | K226 |
| Acute gastritis with bleeding | K29.01 |
| Procedures |  |
| EGD with control of gastric or duodenal bleeding, Endoscopic excision or destruction of lesion or tissue of esophagus | 06L34CZ, 0D518ZZ, 0D528ZZ, 0D538ZZ, 0D548ZZ, 0D558ZZ, 0W3P8ZZ, 3E0G8TZ, 0D568ZZ, 0D578ZZ, 0D598ZZ, 0DQ68ZZ, 0DQ78ZZ, 0DQ98ZZ, 0W3P8ZZ |
| **Comorbidities** |  |
| Myocardial Infarction | I252.2 |
| Congestive heart failure | I50 |
| Peripheral vascular disease | I71.x, I73.9, Z95.8, Z95.9 |
| Cerebrovascular disease | I69.x |
| Dementia | F00.x, F02.x |
| Chronic pulmonary disease | J41.x, J47.x, J60.x, J66.x |
| Rheumatologic disease | M05.x, M06.0, M32.x, M33.2, M34.x, M35.3 |
| Peptic ulcer disease | K25.4, K25.7, K26.4, K26.7, K27.4, K27.7, K28.4, K28.7 |
| Mild liver Disease | K70.3, K71.7, K73.x, K74.3, K74.6 |
| Diabetes without complications | E10.1, E10.9, E11.1, E11.9, E13.1, E13.9, E14.1, E14.9 |
| Diabetes with complications | E10.2, E10.4, E11.2, E11.4, E13.2, E13.4, E14.2, E14.4 |
| Hemiplegia/paraplegia | G81.x, G82.0, G82.2 |
| Renal disease | N18.x |
| Any malignancy | C00.x, C26.x, C30.x, C34.x, C37.x, C41x, C45.x, C58.x, C60.x, C76.x, C81.x, C85.x, C88.3,C88.7, C88.9, C90.0, C90.1, C91.x, C93.x, C94.0, C94.3, C94.5, C94.7, C95.x, C96.x |
| Moderate or severe liver disease | K72.1, K72.9, K76.6, K76.7 |
| Metastatic solid tumor | C77.x, C79.x |
| HIV/AIDS | B20.x, B22.x |
| Abbreviations: EDG: endoscopy |