Appendix: ICD codes used in the study

Splanchnic venous thrombosis (SVT): portal vein thrombosis: ICD-8: 452.99; ICD-10 codes: I81.9, mesenteric thrombosis: ICD-8: 444.29, ICD-10: K55.0H; splenic vein thrombosis: ICD-8: 289.44, 453.03; ICD-10: no code; hepatic vein thrombosis (Budd-Chiary syndrome) ICD-8: 453.01; ICD-10: I82.0

Liver disease (prior to SVT diagnosis): ICD-8: 70, 570-573; ICD-10: B15-19, K70-K77

Pancreatitis (prior to SVT diagnosis): ICD-8: 57700, 57701, 57704-57719; ICD-10: K85, K86.0, K86.1

Diabetes (prior to SVT diagnosis): ICD-8: 249.00-249.09, 250.00-250.09; ICD-10: E10, E11, E14

Chronic obstructive pulmonary disease (a proxy for smoking): ICD-8: 491, 492; ICD-10: J44


Esophageal varices (prior to SVT diagnosis): ICD-8: 456.00-456.09; ICD-10: I85, I86.4, I98.2

Ascites (prior to SVT diagnosis): ICD-8: 785.39; ICD-10: R18.9; procedure code KTJA10

Recent surgical procedure (within 90 days): 1979-1995: 0000-9999; ICD-10: KA-KZ

Abdominal ultrasound and/or CT scan (within 30 days before admission/during admission for SVT): UXUD, UXCD

All cancers: ICD-10: C00-C96

Cancers in Table 2 and 4: Lung and bronchus (C34), stomach (C16), colon (C18-19), rectum (C20), liver (C22), gallbladder and biliary tract (C23-24), pancreas (C25), kidney (C64), bladder (C67), malignant melanoma (C43), breast (C50), uterus (C54-55), ovary (C56, C570-574), prostate (C61), Hodgkin lymphoma (C81), non-Hodgkin lymphoma (C82-85), multiple myeloma (C90), leukemia (C91-C95), myeloproliferative neoplasms [Philadelphia-chromosome–negative disorders: polycythemia vera (D45.9, D47.4B), primary myelofibrosis (D47.4A), essential thrombocytemia (D47.3, D47.4C)], myelodysplastic syndromes (D46).

Cancer stage at diagnosis was classified as “localized”, “advanced” (regional or distant spread), and “unknown” until 2003, and then according to the tumor node metastasis (TNM) staging system.