Supplementary Online Content


eAppendix. *ICD-9-CM (International Classification of Diseases, Ninth Revision, Clinical Modification)* codes used for outcome and select comorbidities

This supplementary material has been provided by the authors to give readers additional information about their work.
APPENDIX: ICD-9-CM codes used for outcome and select comorbidities (comorbidities listed here are only those in which we modified the AHRQ CCS classification; a complete list of comorbidities is in the methods section).

I. Outcome: Defined via AHRQ CCS with the following exceptions

- Gastrointestinal hemorrhage:
  Added: 530.21, 535.01, 535.11, 535.21, 535.31, 535.41, 535.51, 535.61, 535.83, 537.84
  Removed: 569.3

II. Comorbidities: The following comorbidity definitions were modified from the AHRQ CCS as follows

- Esophageal disorders:
  Removed: 530.2, 530.21, 530.8

- Gastritis and duodenitis:
  Removed: 535.0, 535.1, 535.01, 535.2, 535.4, 535.41, 535.5, 535.51, 535.6, 535.61, 535.71

- Other disorders of stomach and duodenum:
  Removed: 537.83, 537.84

- Acute and unspecified renal failure:
  Removed: 586 (already included in Charlson Comorbidity Index(22) as operationalized by Quan et al.(23))

- Cancer of the esophagus, cancer of the stomach: Merged into a single category and modified as follows
Removed: 150.0, 150.1, 150.2, 150.3, 150.4, 150.5, 150.8, 150.9 151.0 151.1 151.2
151.3 151.4 151.5 151.6 151.8 151.9 (all already included in Charlson Comorbidity
Index(22) as operationalized by Quan et al.(23))