

SUPPLEMENTAL TABLE 1. International Classification of Diseases Codes used to Electronically Identify Comorbidities

Comorbidity	ICD-9 Codes	Percent Agreement^a
Hypertension	401-405, 437.2 642.0-642.2	90%
Diabetes	250	94%
Myocardial infarction	410, 412	82%
Chronic pulmonary disease	494-496 500-505, 506.4	88%
Peripheral vascular disease	440.20, 440.22-440.8, 442 443.1-443.80, 443.82-443.9 785.4, V43.4	83%
Cerebrovascular disease	430-438	83%
Liver disease	452, 453.0 456.0-456.21 571.2, 571.4-571.6 572.2-572.8	97%
Renal disease	582.0-582.8, 583.0-583.7 585.3-585.6	89%

Rheumatologic disease	710.0, 710.1, 710.4 714.0-714.2, 714.81 725	96%
Malignancy	140-172, 174-195.8 200-208	85%
Metastatic solid tumor	196-198.1, 198.3-199	97%
Dementia	290 331.0-331.2, 331.6-331.8	96%
Hemiplegia/paraplegia	342, 344	98%

^aPercent agreement of electronically ascertained comorbidities compared to manually abstracted data in a cohort of 1418 patients with incident heart failure. Electronic data consist of the occurrence of at least 2 codes within a comorbidity code group within 5 years prior to and including the index heart failure date.