

Supplement Table 1: PHC-4 Database Codes for Variables Relating to Perioperative Mortality from Stroke.

Comorbidity	PHC-4 Variable/ICD-9-CM/ICD-10-CM Codes
Days30 (death within 30 days)	Days to Death > 30 (0) 0 ≤ Days to Death ≤ 30 (1)
Stk (history of stroke or stroke in hospital) (ICD-9-CM)	43301, 43311, 43321, 43331, 43381, 43391, 43401, 43411, 43491, 436, 99702, 430, 431, 4329, V1254
Stkd (stroke as a reason for death within 30 days) (ICD-10-CM)	I60, I61, I62, I63, I64, I65, I66, I67, I68, I69, G45, F01
CS (carotid stenosis) (ICD-9-CM)	43310, 43311
AF (atrial fibrillation) (ICD-9-CM)	42731
SOB (shortness of breath) (ICD-9-CM)	78605
Appetite (loss of appetite) (ICD-9-CM)	7830
Diabetes (ICD-9-CM)	24900, 25000, 25001, 7902, 79021, 79022, 79029, 7915, 7916, V4585, V5391, V6546, 24901, 24910, 24911, 25002, 25003, 25010, 25011, 25012, 25013, 24940, 24941, 25040, 25041, 25042, 25043, 24950, 24951, 25050, 25051, 25052, 25053, 24960, 24961, 25060, 25061, 25062, 25063, 24970, 24971, 25070, 25071, 25072, 25073, 24990, 24991, 25090, 25091, 24920, 24921, 24930, 24931, 24980, 24981, 25020, 25021, 25022, 25023, 25030, 25031, 25032, 25033, 25080, 25081, 25082, 25083, 25092, 25093
HTN (hypertension) (ICD-9-CM)	4019, 401, 405, 6421, 4010, 4011, 40591, 40599
MI (previous myocardial infarction) (ICD-9-CM)	4100, 41000, 41001, 41002, 4101, 41010, 41011, 41012, 4102, 41020, 41021, 41022, 4103, 41030, 41031, 41032, 4104, 41040, 41041, 41042, 4105, 41050, 41051, 41052, 4106, 41060, 41061, 41062, 4107, 41070, 41071, 41072, 4108, 41080, 41081, 41082, 4109, 41090, 41091, 41092
Female gender	Male (0) Female (1)
Cancer (lymphoma, metastatic cancer, solid tumor w/out metastasis)	Lymphoma = 1 (1) Metastatic Cancer = 1 (1) Solid Tumor W/out Metastasis = 1 (1)
Raco (racial orientation)	Nonwhite (0) White (1)
Asource (admission source)	Non-Health Care Facility Point of Origin (1) Clinic or Physician's Office (2) Transfer from a Hospital (4) Transfer from Skilled Nursing Facility, Intermediate Care Facility, Assisted Living Facility, Other Health Care Facility (56) Other (7)
Procedure (AdType)	Other (0) Emergency (1)

Renalfail (renal failure)	Healthy (0) Renal Failure (1)
Chf (congestive heart failure)	Healthy (0) Congestive Heart Failure (1)
Agecat (age category)	18 – 64 (1) 65 – 85 (2) >85 (3)

Supplement Table 1: All covariates are included in the PHC-4 Database as ICD-9-CM codes or ICD-10-CM codes (cause of death). Patients negative for a PHC-4 predetermined variable are represented by a (0) while patients who are were identified with the trait are represented by some positive number (1,2,3, etc.). Any patients with the ICD-9-CM or ICD-10-CM codes represented above qualify for that trait.