**Supplemental Digital Content 1.** Demographics of the 2,340 patients in the sample

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| **Variable** | **N** (%) |
| Age\* *mean(IQR)* | *52.3 (40-69) yrs* |
| Gender  Female MaleMissing | 1,134 (53.0%)894 (41.8%)112 (5.2%) |
|  Race  African American Asian Caucasian OthersMissing  | 393 (18.4%)101 (4.7%)1,345 (62.9%)130 (6.1%)171 (8.0%) |
| Ethnicity Non-Hispanic HispanicMissing | 1,582 (73.9%)412 (19.3%)146 (6.8%) |
| Admission Diagnosis Ischemic StrokeTraumatic Brain InjurySubarachnoid HemorrhageIntracerebral HemorrhageNeoplasmExtracranialIntracranial otherMissing | 298 (13.9%)47 (2.2%)250 ( 11.7%)171 (8.0%)434 (20.3%)245 (11.4%)190 (8.9%)505 (23.6%) |
| Admission Glasgow Coma ScoreMild (13-15)Moderate (9-12)Severe (3-8)Missing | 1,266 (59.2%)233 (10.9%)289 (13.5%)352 (16.4%) |

\*age is reported as mean and Interquartile Range (IQR) all other values are N and percent.