	Stroke		MI
	Primary Model	Sensitivity Analysis	Primary Model
Label	Primary Baseline Stroke Model	Sensitivity Baseline Stroke Model	Primary Baseline MI Model
Source	Goodney et al[19]	Rothwell et al[20]	Lee et al[14]
Covariates	Qualifying Event: Stroke/TIA		Ischemic Heart Disease
	Age > 70	Sex	Congestive Heart Failure
	Contralateral Occlusion	Baseline Blood Pressure	History of Stroke
	Heart Failure		Insulin requiring Diabetes
			Creatinine > 2.0

Treatment Models

	Stroke		MI
	Primary Model	Sensitivity Analysis	Primary Model
Label	Primary Stroke Treatment Model	Sensitivity Stroke Treatment Model	Primary MI Treatment Model
Outcome	Perioperateive Stroke/Death	Perioperative Stroke/Death	Perioperative MI
Covariates	Primary Baseline Stroke Linear Predictor	Sensitivity Baseline Stroke Linear Predictor	Primary Baseline MI Linear Predictor
	Treatment (CEA vs. CAS)	Treatment (CEA vs. CAS)	Treatment (CEA vs. CAS)
	Symptomatic Status	Symptomatic Status	
		Interaction between Treatment and Sensitivity Baseline Stroke Linear Predictor	

Supplemental Table 1: Summary of the modeling approach

	CEA (n = 65,252)	**CAS** (n = 11,017)
Age mean(SD)	70.4 (9.6)	69.0 (11.3)
Female N(%)	25,845 (39.6%)	3,805 (34.5%)
Symptomatic N(%)	20,887 (32.0%)	1,082 (9.8%)
Diabetes N(%)	23,011 (35.3%)	3,981 (36.1%)
CHF N(%)	4,193 (6.4%)	871 (7.9%)
CAD N(%)	11,581 (17.7%)	2,004 (18.2%)
Creatinine mg/dl	1.1 (0.5)	1.1 (0.4)
Contralateral Occlusion N(%)	4,083 (6.3%)	755 (6.9%)

Supplemental Table 2: Summary of the SVS-VQI CEA/CAS Population