

## SUPPLEMENTAL MATERIAL

**Supplemental Table 1.** International Classification of Diseases, Tenth Revision (ICD-10) Codes Used for Demographic Variables.

<b>Diagnosis</b>	<b>International Classification of Diseases— Tenth Revision (ICD-10)</b>
Hypertension	I10-I1A (Hypertensive disease)
Diabetes Mellitus	E08-E13 (Diabetes mellitus)
Chronic lower respiratory disease	J40-J4A (Chronic lower respiratory diseases)
Hyperlipidemia	E78.5 (Unspecified hyperlipidemia)
Chronic Kidney Disease	N18 (Chronic kidney disease)
Overweight & Obesity	E66 (Overweight and Obesity)
Heart failure	I50 (Heart failure)
Acute Myocardial Infarction	I21 (Acute myocardial infarction)
Peripheral arterial disease	I73.9 (Peripheral vascular disease, unspecified)
Ischemic stroke	I63 (Cerebral infarction)
Smoking status	F17 (Nicotine dependence)
Coronary Lithotripsy	CPT:92972 (Percutaneous transluminal coronary lithotripsy) OR HCPCS:C1761 (Catheter, transluminal intravascular lithotripsy, coronary) OR CPT:0715T (Percutaneous transluminal coronary lithotripsy)
Coronary atherectomy	CPT:1021164 (Percutaneous transluminal coronary atherectomy, with coronary angioplasty when performed) OR

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SNOMED:24088005 (Coronary artery atherectomy) OR

SNOMED: 29843007 (Coronary atherectomy by laser) OR

CPT: 92924 (Percutaneous transluminal coronary atherectomy, with coronary angioplasty when performed; single major coronary artery or branch) OR

HCPCS: C9603 (Percutaneous transluminal coronary atherectomy, with drug-eluting intracoronary stent, with coronary angioplasty when performed; each additional branch of a major coronary artery (list separately in addition to code for primary procedure) OR

HCPCS: C9602 (Percutaneous transluminal coronary atherectomy, with drug eluting intracoronary stent, with coronary angioplasty when performed; single major coronary artery or branch) OR

CPT:92925 (Percutaneous transluminal coronary atherectomy, with coronary angioplasty when performed; each additional branch of a major coronary artery (List separately in addition to code for primary procedure) OR

CPT: 92933 (Percutaneous transluminal coronary atherectomy, with intracoronary stent, with coronary angioplasty when performed; single major coronary artery or branch) OR

CPT: 92934 (Percutaneous transluminal coronary atherectomy, with intracoronary stent, with coronary angioplasty when performed; each additional branch of a major coronary artery (List separately in addition to code for primary procedure) OR

CPT: 1021166 (Percutaneous transluminal coronary atherectomy, with intracoronary stent, with coronary angioplasty when performed)

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ICD-10-PCS 02CO3ZZ (Directional coronary atherectomy)

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**Supplemental Table 2.** Definition of outcomes.

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All-cause mortality	Deceased
MACE	I21 (Acute myocardial infarction), I22 (Subsequent ST elevation (STEMI) and non-ST elevation (NSTEMI) myocardial infarction), I63 (Cerebral infarction), I46 (Cardiac arrest), I50 (Heart failure)
Coronary perforation	I97.5 (Accidental puncture and laceration of a circulatory system organ or structure during a procedure) OR T81.7 (Vascular complications following a procedure, not elsewhere classified)
Major bleeding	D62 (Acute posthemorrhagic anemia)
Stent thrombosis	T82.867A (Thrombosis due to cardiac prosthetic devices, implants, and grafts, initial encounter)
AKI	N17 (Acute Kidney Injury)
Heart Failure exacerbation	J81: Pulmonary edema AND RXNORM:4603:Furosemide (IV) OR RXNORM:1808: Bumetanide (IV) OR RXNORM:38413: Torsemide (IV) OR RXNORM:2396: Chlorothiazide (IV)

**Abbreviations:** ICD, International Classification of Diseases.

Supplemental Figure 1: Study consort diagram.

