

SUPPLEMENTAL MATERIAL

Supplemental Table 1: Outcome definitions

Outcome	Codes and other criteria	Source data
Limb revascularization	Inclusive list of > 60 ICD9 and CPT4 codes identified potential PAD procedures of interest: charts pulled and reviewed by vascular experts	Hospital and outpatient procedure codes after PAD procedure; Electronic medical records used for confirmation
Minor lower extremity amputation	ICD-9 procedure codes 84.11, CPT4 codes 28800, 28805, 28810, 28820, 28825	Hospital and outpatient procedure codes after PAD procedure
Major lower extremity amputation	ICD-9 procedure codes 84.10, 84.12-84.18 CPT4 codes 27590, 27591, 27592, 27598, 27880, 27881, 27882, 27888, 27889	Hospital procedure codes after PAD procedure
Myocardial Infarction	ICD-9 diagnosis codes: 410.xx	Primary hospital discharge diagnosis after PAD procedure
Stroke	ICD-9 diagnosis codes: 433.xx, 434.xx, 436.xx	Primary hospital discharge diagnosis after PAD procedure
Mortality	All cause mortality	Membership death records and state health department resources

Supplemental Table 2: Complication details by procedure type, all indications

	Peripheral endovascular intervention (N=883)		Lower extremity bypass (N=975)	
	N	%	N	%
Periprocedural complications (in OR or in-lab)				
Any periprocedural complication (1 or more)	49	5.5	47	4.8
Major periprocedural complication (1 or more of 5 listed below)	21	2.4	12	1.2
Death during procedure	0	0	0	0
CVA / stroke during procedure	0	0	0	0
Vessel perforation or rupture during procedure	8	0.9	1	0.1
Abrupt closure	11	1.2	8	0.8
Emergent vascular procedure	5	0.6	5	0.5
Other periprocedural complication (1 or more of 6 listed below)	39	4.4	42	4.3
Dissection remote to treatment site	8	0.9	1	0.1
Embolus during procedure	17	1.9	2	0.2
Thrombosis during procedure	12	1.4	6	0.6
Vascular access complication	5	0.6	2	0.2
Contrast reaction	1	0.1	0	0
Blood transfusion during procedure	1	0.1	32	3.3
Other OR or in-lab complication	3	0.3	5	0.5
Post-procedure, pre-discharge complications				
Any post-procedure, pre-discharge complications (1 or more)	29	3.3	194	19.9
Major post-procedure, pre-discharge (1 or more of 5 listed below)	16	1.8	105	10.8
Death (post procedure, pre-discharge)	0	0	20	2.1
Myocardial infarction	0	0	32	3.3
CVA / Stroke	1	0.1	4	0.4
New renal failure	0	0	5	0.5

Unplanned vascular surgery or return to OR	15	1.7	53	5.4
Other post-procedure, pre-discharge complication (1 or more of 7 listed below)	28	3.2	144	14.8
Surgical site infection	0	0	29	3.0
Graft infection	0	0	0	0
Worsening limb ischemia	17	1.9	26	2.7
Unanticipated additional intervention	11	1.2	21	2.2
Vascular access complications (post procedure)	10	1.1	5	0.5
Blood transfusion (post procedure, pre-discharge)	4	0.5	52	5.3
Other post procedure, pre-discharge complication	7	0.8	62	6.4
Complications post-discharge within 30 days of procedure				
Any complication post-discharge within 30 days (1 or more)	40	4.5	185	19.0
Major post-discharge complication (1 or more of 3 listed below)	14	1.6	68	7.0
Death, post-discharge within 30 days of procedure	2	0.2	17	1.7
Major amputation	2	0.2	12	1.2
Unplanned procedure	10	1.1	45	4.6
Other post-discharge complication (1 or more of 5 listed below)	35	4.0	161	16.5
Surgical site infection	3	0.3	107	11.0
Graft infection	1	0.1	6	0.6
Worsening limb ischemia	25	2.8	18	1.8
Vascular access complications	8	0.9	67	6.9
Other post-discharge complication	1	0.1	10	1.0
