SUPPLEMENTAL MATERIAL

Table S1. International Classification of Diseases, Ninth Edition, Clinical Modification (ICD-9- CM) codes used to identify the baseline comorbidities, procedures, and in-hospital outcomes.

Critical limb ischemia	
Atherosclerosis of native arteries of extremities	
-with rest pain	440.22
-with gangrene	440.24
-with ulceration	440.23, 707.9
Critical limb ischemia if following code is present along with a primary diagnosis code for PAD*	
Gangrene	785.4
Ulcer of lower limb (includes trophic ulcer)	707.10, 707.11, 707.12, 707.13, 707.14, 707.15, 707.19
Acute osteomyelitis of pelvic region and thigh	730.05
Acute osteomyelitis of lower extremity	730.06
Acute osteomyelitis of ankle and foot	730.07
Chronic osteomyelitis of pelvic region and thigh	730.15
Chronic osteomyelitis of lower extremity	730.16
Chronic osteomyelitis of ankle and foot	730.17
Cellulitis of lower extremity except foot	682.6
Cellulitis of foot except toes	682.7
Cellulitis of toes	681.1
***Primary PAD diagnosis**	
Atherosclerosis of native arteries of extremities with intermittent claudication, rest pain, ulceration, gangrene or unspecified symptoms.	440.2 (440.20-440.24, 440.29)
Atherosclerosis of bypass graft of extremities	440.3 (440.0-440.32)
Atherosclerosis- generalized or unspecified	440.9
Atherosclerosis of Aorta	440.0
Diabetes mellitus with peripheral circulatory disorders	249.70, 249.71, 250.70-250.73
Peripheral angiopathy in other diseases	443.81

Peripheral vascular disease, unspecified	443.9
Buerger's disease	443.1
Arterial embolism/ thrombosis of lower extremity or iliofemoral artery	444.22, 444.81
Surgical Revascularization	
Aorto-iliac femoral bypass	39.25
Peripheral bypass	39.29
Incision of lower limb arteries	38.08
Endarterectomy of abdominal arteries	38.16
Endarterectomy of lower limb arteries	38.18
Resection of vessel with anastomosis	38.38
Resection of vessel with replacement	38.48
Endovascular revascularization	
Angioplasty or atherectomy of non-coronary vessel	39.50
Insertion of non-drug-eluting, non-coronary artery stent	39.90
Insertion of drug eluting peripheral vessel stent	00.55
Major amputation of lower extremity	
Lower limb amputation	84.10
Disarticulation of ankle	84.13
Amputation of ankle through malleoli of tibia and fibula	84.14
Other amputation-below knee	84.15
Disarticulation of knee	84.16
Amputation above knee	84.17
Revision of amputation stump	84.3
Minor amputation of lower extremity	
Toe amputation	84.11

Trans metatarsal amputation	84.12
Vascular procedures, non-specific, only used in conjunction with lower extremity procedure codes	
Procedure on single vessel	00.40
Procedure on two vessels	00.41
Procedure on three vessels	00.42
Procedure on ≥ 4 vessels	00.43
Procedure on vessel bifurcation	00.44
Insertion of one vascular stent	00.45
Insertion of two vascular stents	00.46
Insertion of three vascular stents	00.47
Insertion of ≥ 4 vascular stents	00.48
Non-ST-elevation myocardial infarction	410.7x
ST-elevation myocardial infarction	410.1x, 410.2x, 410.3x, 410.4x, 410.5x, 410.6x, 410.8x and 410.9x
Prior myocardial infarction	412.0
Previous percutaneous coronary intervention	V45.82
Previous coronary artery bypass grafting	V45.81
Previous CVA	V12.54
Carotid artery disease	433.10
Cardiogenic shock	785.51
Cardiac arrest	CCS-107
Post-op hemorrhage	998.11, 998.12, 285.1
Transfusion	99.01-99.09

Acute stroke	CCS-100
Respiratory complications	997.3, 997.31, 997.32, 997.39
Permanent pacemaker	37.80 37.83
Acute kidney injury	584
Vascular complications	39.31, 39.41, 39.49, 39.52, 39.53, 39.56, 39.57, 39.58, 39.59, 39.79

Table S2. List of variables used in the propensity score matching analysis comparing the revascularization strategies.
Age, race, diabetes mellitus, hypertension, obesity, history of heart failure, chronic lung disease, pulmonary circulation disorders, chronic liver disease, CKD, chronic anemia, coagulopathy, hypothyroidism, history of smoking, coronary artery disease, prior MI, history of implantable cardiac defibrillator, history of cardiac pacemaker, prior stroke, prior PCI, prior CABG, hospital bed-size, hospital region, hospital teaching status.

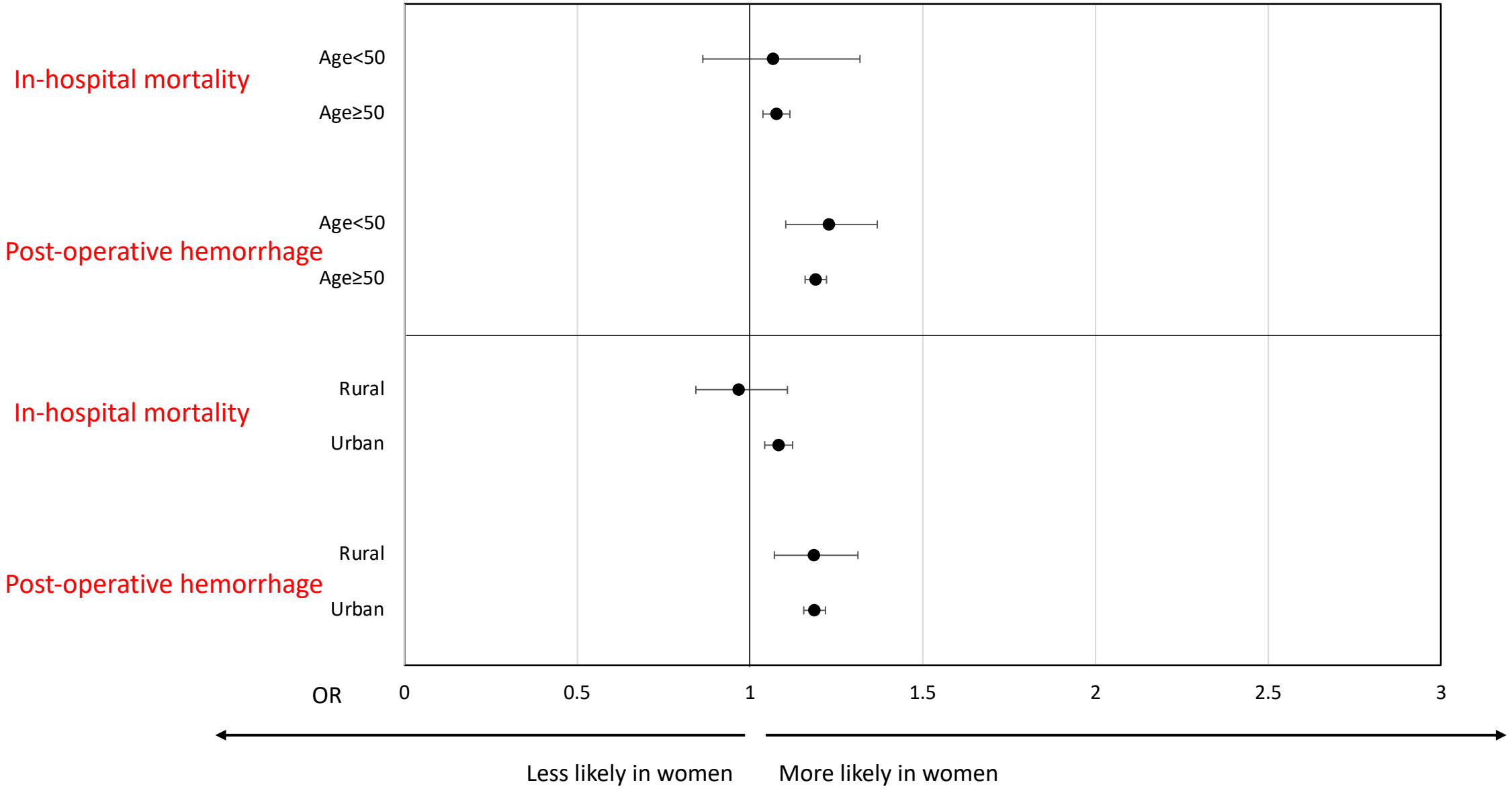
Table S3. In-hospital outcomes among women versus men with critical limb ischemia after propensity score matching

Outcome	Incidences %		Adjusted odds ratio	95% confidence interval	P-value
	Women	Men			
Mortality	3.7%	3.4%	1.09	1.07-1.10	<0.001
Amputation free survival	82.0%	81.1%	1.06	1.05-1.07	<0.001
Major amputation	15.3%	16.4%	0.92	0.91.0.93	<0.001
Minor amputation	10.0%	14.3%	0.67	0.66-0.67	<0.001
Post-operative infection	2.3%	1.9%	1.17	1.15-1.20	<0.001
Post-operative hemorrhage	8.1%	7.1%	1.16	1.15-1.18	<0.001
Blood transfusion	18.3%	16.0%	1.17	1.17-1.18	<0.001
Acute myocardial infarction	3.0%	3.0%	0.99	0.97-1.00	0.10
Ischemic stroke	0.9%	0.7%	1.25	1.22-1.29	<0.001
Acute kidney injury	11.3%	12.9%	0.86	0.85-0.87	<0.001
Facility discharge	39.5%	37.4%	1.09	1.09-1.10	<0.001

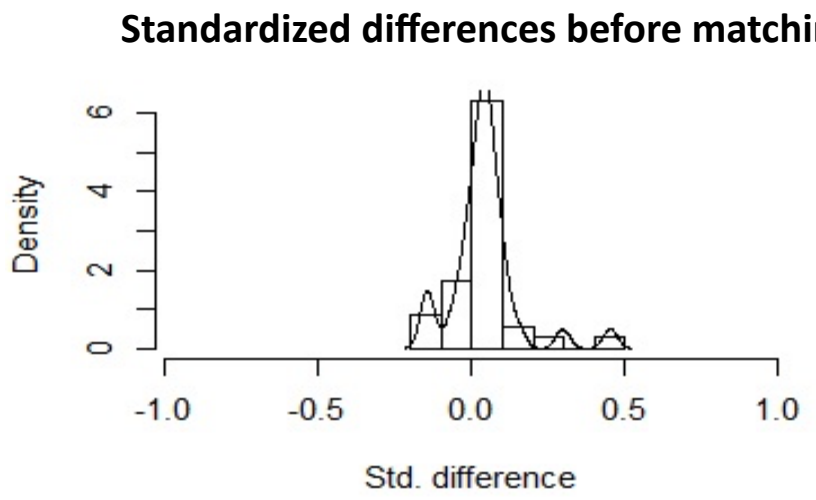
Table S4. Sex-related differences in in-hospital mortality across various racial groups.

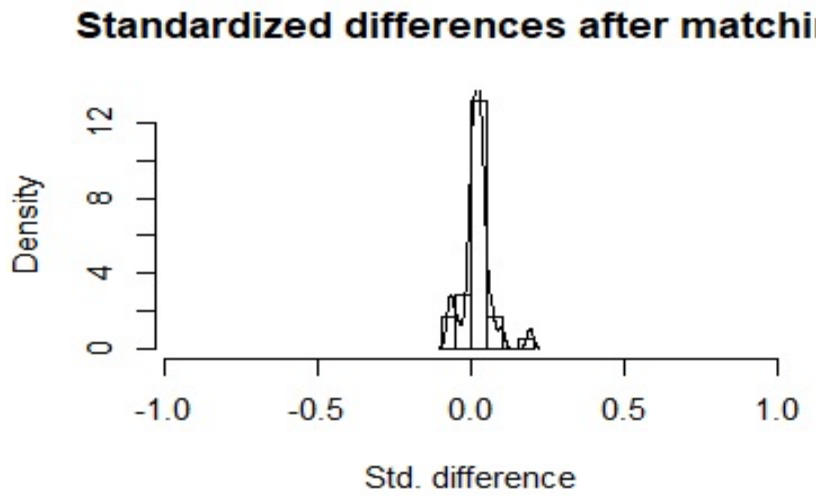
Outcome	Incidences %		Odds ratio	95% confidence interval		P-value
	Women	Men				
White						
Mortality	3.5%	3.3%	1.083	1.063	1.103	<0.001
Black						
Mortality	3.8%	3.2%	1.191	1.151	1.233	<0.001
Hispanic						
Mortality	3.7%	3.1%	1.206	1.149	1.266	<0.001

Figure S1. Subgroup analyses for in-hospital mortality and post-operative hemorrhage comparing age 50 years versus <50 years, and urban versus rural hospitals.



(A)





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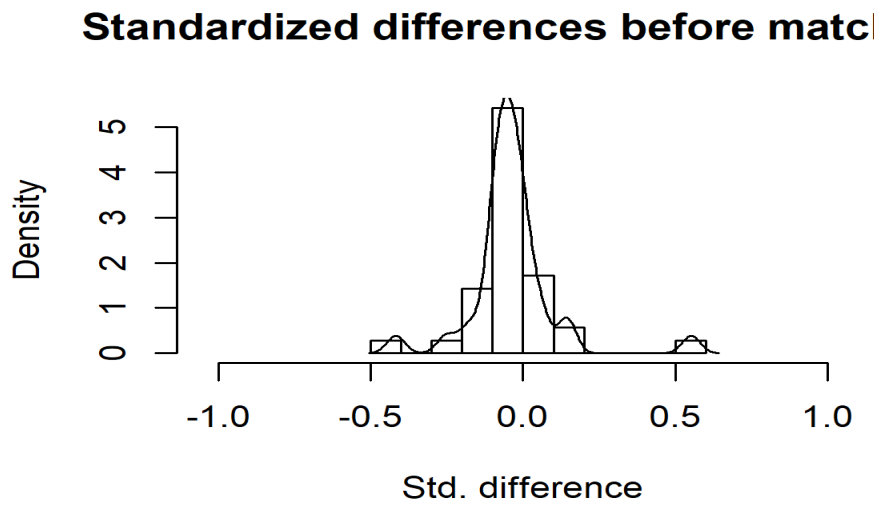

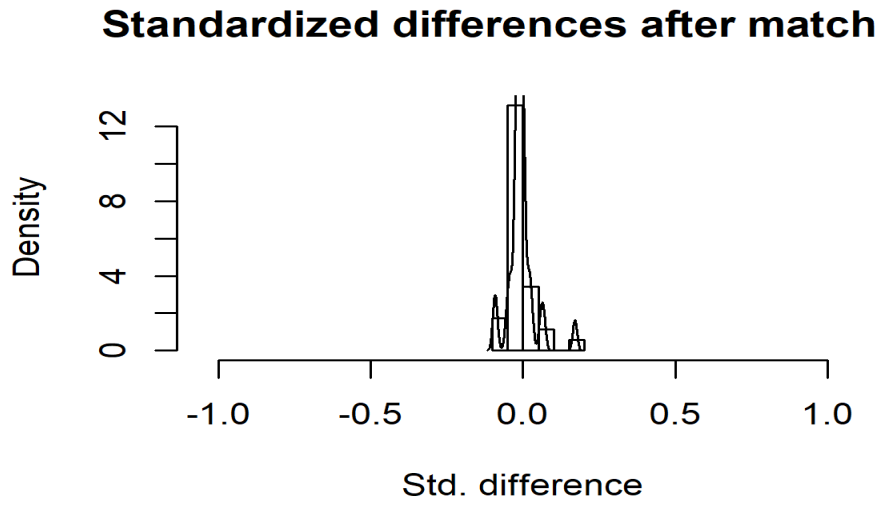

Figure S2. Absolute standardized differences for the patient and hospital-related characteristics included in the propensity matched model comparing endovascular revascularization versus surgical revascularization among (A) women and (B) men.