



Accreditation Council for Graduate Medical Education

Vascular Surgery Case Logs

National Data Report

Prepared by: Department of Applications and Data Analysis

- I. National Resident Statistics Report
 - A. The main table provides a national picture of educational experiences. The report is ideal for establishing and assessing national policy related to resident practical experiences. Data is broken out by role (surgeon, assistant, etc).
 - B. Descriptive statistics have been carefully chosen to provide the most useful information for judging performance at the program level.
 - i. "Natl Res AVE" — The average describes the mean number of procedures performed per resident in the nation.
 - ii. "Natl Res STD" — The standard deviation indicates how tightly the scores are clustered around the mean in a set of data.
 - ii. "Natl Res MED" — This statistic represents the median or middle value of procedure counts.
 - ii. "Natl Res MODE" — The mode is the most commonly occurring value.
 - ii. "Natl Res SUM" — This statistic represents the sum of all procedure counts.
- II. National Benchmark Report for Program Statistics

The table displays selected percentile and standard deviation benchmarks of program averages. For example, a score at the 10th percentile indicates that 10% of residents achieved less than the value while the remaining 90% achieved more than the value.

VASCULAR SURGERY: NATIONAL RESIDENT REPORT (Main Table)
Reporting Period: Total Experience of Residents Completing Programs in 2008-2009
Residency Review Committee for Vascular Surgery

[PART 1] Number of Programs in the Nation: 90 Number of Residents in the Nation: 116

		Surgeon Fellow					Teaching Assistant					First Assistant					Secondary Procedures				
		Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res SUM
RRC Area	RRC Procedure																				
Aneurysm-Repair	Open Rep Infrarenal A-I Aneur, Rupt	3.9	3	3	2	450	0.0	0	0	0	2	0.1	0	0	0	12	0.1	0	0	0	7
	Open Rep Infrarenal A-I Aneur, Elect	14.3	7	14	16	1,658	0.1	0	0	0	6	0.2	1	0	0	28	0.5	1	0	0	62
	Endovas Rep Abd Aort/Iliac Aneur	46.2	21	45	29	5,361	0.3	1	0	0	31	0.8	3	0	0	91	16.8	22	9	0	1,947
	Endovas Rep of Iliac Artery	1.9	2	2	0	226	0.0	0	0	0	2	0.0	0	0	0	5	0.3	1	0	0	37
	Rep Suprarenal Aortic Aneurysm	3.4	5	2	0	389	0.0	0	0	0	1	0.1	0	0	0	8	0.1	0	0	0	8
	Rep Thoracic Aortic Aneurysm	0.6	1	0	0	64	0.0	0	0	0	1	0.0	0	0	0	1	0.0	0	0	0	2
	Endovas Rep Thora Aortic Aneurysm	11.3	10	9	4	1,315	0.0	0	0	0	3	0.2	1	0	0	20	2.0	3	1	0	228
	Rep Thoracoabd Aortic Aneurysm	4.1	6	2	1	480	0.0	0	0	0	1	0.1	0	0	0	10	0.0	0	0	0	3
	Rep Femoral Aneurysm	3.5	3	3	2	401	0.0	0	0	0	5	0.0	0	0	0	3	0.7	1	0	0	84
	Rep Popliteal Aneurysm	2.5	2	2	1	285	0.0	0	0	0	4	0.0	0	0	0	2	0.1	0	0	0	16
	Rep Other Aneurysm - Def Cat Credit	1.3	2	1	0	150	0.0	0	0	0	1	0.0	0	0	0	1	0.1	0	0	0	9
	Rep Other Aneurysm	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0
	Subtotal - Aneurysm Repair	92.9	38	90	93	10,779	0.5	1	0	0	57	1.6	4	0	0	181	20.7	24	12	3	2,403
Cerebrovascular	Carotid Endarterectomy	49.8	20	47	40	5,779	0.3	1	0	0	33	0.3	1	0	0	35	0.9	1	1	0	103
	Reop Carotid Surg (Sec Only)	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	1.1	2	0	0	124
	Transcath Place Carotid Artery Stent	14.0	12	10	5	1,621	0.0	0	0	0	4	0.5	2	0	0	59	0.3	1	0	0	36
	Excise Carotid Body Tumor	0.6	1	0	0	75	0.0	0	0	0	0	0.0	0	0	0	1	0.0	0	0	0	2
	Vert Bypass or Reimplant/transpos	0.2	1	0	0	26	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	1
	Direct Rep Aortic Arch Branches	0.5	1	0	0	55	0.0	0	0	0	0	0.0	0	0	0	1	0.1	1	0	0	17
	Translum Balloon Angio - Brachioceph	2.0	3	1	1	230	0.0	0	0	0	1	0.0	0	0	0	3	1.6	3	1	0	181
	Translum Atherectomy - Brachiocephalic	0.0	0	0	0	1	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	4
	Transcat Place of Intrav Stent, Noncor.	0.4	1	0	0	44	0.0	0	0	0	0	0.0	0	0	0	1	0.1	0	0	0	6
	Cervical Bypass Aortic Arch Branches	4.7	4	4	1	540	0.0	0	0	0	0	0.0	0	0	0	5	1.2	2	1	0	139
	Embolect/thrombec by Neck/Thor Incis	0.2	1	0	0	22	0.0	0	0	0	0	0.0	0	0	0	0	0.1	0	0	0	7
	Other Major Cerebrovas - Def Cat Cred	0.6	1	0	0	69	0.0	0	0	0	0	0.0	0	0	0	0	0.1	0	0	0	7
	Other Cerebrovascular	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0
	Subtotal - Cerebrovascular	72.9	28	67	47	8,462	0.3	1	0	0	38	0.9	2	0	0	105	5.4	5	4	3	627

VASCULAR SURGERY: NATIONAL RESIDENT REPORT (Main Table)
Reporting Period: Total Experience of Residents Completing Programs in 2008-2009
Residency Review Committee for Vascular Surgery

[PART 2] Number of Programs in the Nation: 90 Number of Residents in the Nation: 116

		Surgeon Fellow					Teaching Assistant					First Assistant					Secondary Procedures				
		Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res SUM
RRC Area	RRC Procedure																				
Periph-Obstruct	Aorto-Ilio/femoral endarterectomy	3.0	3	2	0	347	0.0	0	0	0	3	0.1	0	0	0	7	1.2	3	0	0	136
	Aorto-ilio/femoral bypass, prosthetic	8.8	6	8	6	1,017	0.1	0	0	0	7	0.1	0	0	0	11	1.0	2	0	0	119
	Aorto-ilio/femoral bypass, vein	0.8	2	0	0	92	0.0	0	0	0	0	0.0	0	0	0	2	0.2	1	0	0	20
	Translum balloon angio aorta or iliac	9.0	10	6	3	1,044	0.0	0	0	0	3	0.1	0	0	0	6	16.1	25	11	0	1,868
	Translum atherectomy aorta or iliac	0.2	1	0	0	27	0.0	0	0	0	0	0.0	0	0	0	0	0.1	0	0	0	15
	Transcath place intravasc stent aorta	2.5	4	1	0	288	0.0	0	0	0	0	0.0	0	0	0	1	2.0	3	1	0	237
	Ilio-Iliac/femoral endarterectomy	3.5	3	3	1	401	0.0	0	0	0	1	0.0	0	0	0	3	2.4	3	1	0	277
	Excise infected graft, abdomen or chest	1.2	1	1	0	139	0.0	0	0	0	2	0.0	0	0	0	4	0.7	2	0	0	79
	Rep graft-enteric/aorto-enteric fistula	0.2	0	0	0	20	0.0	0	0	0	0	0.0	0	0	0	1	0.1	0	0	0	6
	Femoral, Profunda Endarterectomy	10.2	6	9	8	1,188	0.1	1	0	0	17	0.1	0	0	0	9	9.8	10	7	2	1,140
	Femoral-Popliteal Bypass, Vein	9.1	5	9	6	1,056	0.0	0	0	0	5	0.1	0	0	0	8	0.9	1	0	0	106
	Femoral-Popliteal Bypass, Prosth	8.7	6	7	5	1,005	0.1	0	0	0	8	0.1	0	0	0	9	1.6	2	1	0	182
	Translum balloon angio femoral-popl	19.6	16	16	12	2,269	0.1	0	0	0	10	0.0	0	0	0	3	19.4	19	13	13	2,256
	Translum atherectomy femoral-popliteal	4.0	6	2	0	464	0.0	0	0	0	2	0.0	0	0	0	3	1.4	3	0	0	158
	Endarterectomy, superf femoral, popl	1.9	2	1	1	216	0.1	0	0	0	6	0.0	0	0	0	1	1.9	3	1	0	226
	Infrapopliteal Bypass, Vein	15.8	10	13	12	1,833	0.1	1	0	0	16	0.1	1	0	0	13	0.9	1	0	0	99
	Infrapopliteal Bypass, Prosthetic	4.9	4	4	2	565	0.0	0	0	0	3	0.0	0	0	0	4	0.4	1	0	0	44
	Translum ballon angio, tibioperoneal	9.9	8	8	3	1,143	0.0	0	0	0	1	0.0	0	0	0	4	5.2	6	3	0	598
	Translum atherectomy, tibioperoneal	1.9	3	1	0	220	0.0	0	0	0	0	0.0	0	0	0	1	0.5	1	0	0	56
	Transcath place of intravas stent non-cor	33.2	20	28	25	3,855	0.0	0	0	0	5	0.1	0	0	0	14	32.6	26	28	33	3,785
	Excise infected graft, peripheral	3.0	3	2	1	349	0.0	0	0	0	5	0.0	0	0	0	3	1.3	2	1	0	154
	Revise Arterial Bypass	4.6	4	4	2	534	0.0	0	0	0	4	0.0	0	0	0	3	1.0	1	0	0	114
	Art embolectomy/thrombect by leg inc	6.7	6	6	0	776	0.1	1	0	0	13	0.0	0	0	0	3	7.6	7	6	5	877
	Graft Thrombectomy	1.2	2	1	0	143	0.0	0	0	0	2	0.0	0	0	0	1	1.6	2	1	0	184
	Adjunct vein cuff or AVF (Sec Only)	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	1.2	2	0	0	141
	Harvest Arm Vein (Sec Proc Only)	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	1.1	2	0	0	125
	Composite Leg Bypass Graft (Sec Only)	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	1.5	2	1	0	175
	Re-Do Lower Extrem Bypass (Sec Only)	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	3.5	5	2	0	402
	Other Major Periph - Def Cat Cred	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0
	Other Major Periph	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0
	Subtotal - Periph Obstruct	163.7	60	150	92	18,991	1.0	2	0	0	113	1.0	2	0	0	114	117.1	76	105	32	13,579

VASCULAR SURGERY: NATIONAL RESIDENT REPORT (Main Table)
Reporting Period: Total Experience of Residents Completing Programs in 2008-2009
Residency Review Committee for Vascular Surgery

[PART 3] Number of Programs in the Nation: 90 Number of Residents in the Nation: 116

		Surgeon Fellow					Teaching Assistant					First Assistant					Secondary Procedures				
		Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res SUM
RRC Area	RRC Procedure																				
Abdominal-Obstruct	Celiac/Sma Enderect, Bypass	3.6	3	3	1	421	0.0	0	0	0	1	0.0	0	0	0	4	1.3	3	0	0	152
	Renal Enderectomy, Bypass	1.3	2	1	0	145	0.0	0	0	0	1	0.0	0	0	0	1	1.3	3	0	0	148
	Embolectomy/thrombect, ren	0.6	1	0	0	67	0.0	0	0	0	0	0.0	0	0	0	1	0.1	0	0	0	13
	Translum balloon angio, renal	4.3	5	3	1	504	0.0	0	0	0	3	0.0	0	0	0	1	3.0	4	2	0	352
	Translum atherectomy, renal	0.1	0	0	0	12	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	2
	Transcat place of stent, ren art	6.2	6	5	1	722	0.0	0	0	0	1	0.0	0	0	0	4	3.2	4	2	0	374
	Other Abdominal	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0
	Subtotal - Abdominal Obstruct	16.1	10	15	3	1,871	0.1	0	0	0	6	0.1	0	0	0	11	9.0	11	5	0	1,041
Upper Extremity	Open brachial artery exposure	0.1	0	0	0	16	0.0	0	0	0	0	0.0	0	0	0	0	0.7	2	0	0	86
	Arm Bypass, Enderectomy, Rep	2.5	3	2	1	290	0.0	0	0	0	1	0.0	0	0	0	1	0.1	0	0	0	14
	Transcat place of intra stent noncoro	2.4	4	2	0	282	0.0	0	0	0	2	0.0	0	0	0	2	0.9	2	0	0	105
	Thoracic Outlet Decomp Proc	3.4	5	2	0	397	0.2	2	0	0	21	0.1	0	0	0	7	0.4	1	0	0	51
	Embolect/thrombect, by arm inc	2.3	2	2	1	261	0.0	0	0	0	5	0.0	0	0	0	2	1.3	2	1	0	153
	Other Upper Extremity	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0
	Subtotal - Upper Extremity	10.7	8	9	9	1,246	0.3	2	0	0	29	0.1	0	0	0	12	3.5	4	2	1	409
Extra-Anatomic	Axillo-Femoral Bypass	3.9	3	3	1	454	0.0	0	0	0	5	0.1	0	0	0	7	0.7	1	0	0	77
	Axillo-Popliteal-Tibial Bypass	0.2	0	0	0	22	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	3
	Femoral-Femoral Bypass	6.0	4	6	2	694	0.1	0	0	0	7	0.1	0	0	0	9	2.8	3	2	0	321
	Other Extra-Anatomic	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0
	Subtotal - Extra-Anatomic	10.1	6	9	8	1,170	0.1	0	0	0	12	0.1	1	0	0	16	3.5	4	2	2	401
Thromb/Mech Thromb	Translum mech thrombect	3.4	6	2	0	394	0.0	0	0	0	1	0.0	0	0	0	0	2.1	4	1	0	240
	Thrombolysis, transart, transcat	5.8	5	5	2	677	0.0	0	0	0	2	0.0	0	0	0	1	2.4	4	1	0	273
	Exchange of thrombolysis cath	1.2	2	0	0	144	0.0	0	0	0	0	0.0	0	0	0	1	0.6	1	0	0	68
	Subtotal - Thrombol/Mech Thrombect	10.5	10	8	2	1,215	0.0	0	0	0	3	0.0	0	0	0	2	5.0	8	2	0	581

VASCULAR SURGERY: NATIONAL RESIDENT REPORT (Main Table)
Reporting Period: Total Experience of Residents Completing Programs in 2008-2009
Residency Review Committee for Vascular Surgery

[PART 4] Number of Programs in the Nation: 90 Number of Residents in the Nation: 116

		Surgeon Fellow					Teaching Assistant					First Assistant					Secondary Procedures				
		Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res SUM
RRC Area	RRC Procedure																				
Misc Endovasc	Endo place iliac art occ	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	1.9	3	1	0	215
	Transcath thera, infusion non thromb	0.1	0	0	0	8	0.0	0	0	0	0	0.0	0	0	0	1	0.5	1	0	0	57
	Transcath retr of intravasc foreign	2.1	5	0	0	244	0.1	1	0	0	9	0.0	0	0	0	0	0.7	2	0	0	85
	Transcath art occl or embolization	6.4	9	4	3	743	0.0	0	0	0	3	0.0	0	0	0	3	3.4	4	2	0	400
	Transcath place of wireless sensor	0.0	0	0	0	2	0.0	0	0	0	0	0.0	0	0	0	0	1.5	5	0	0	173
	Pressure meas from wireless	0.0	0	0	0	2	0.0	0	0	0	0	0.0	0	0	0	0	1.0	7	0	0	115
	Subtotal - Misc Endovas Therap	8.6	12	5	4	999	0.1	1	0	0	12	0.0	0	0	0	4	9.0	12	5	1	1,045
Trauma	Repair Thoracic Vessels	0.4	1	0	0	44	0.0	0	0	0	0	0.0	0	0	0	3	0.1	1	0	0	17
	Repair Neck Vessels	0.8	1	0	0	93	0.0	0	0	0	0	0.0	0	0	0	1	0.1	0	0	0	11
	Repair Abdominal Vessels	2.3	3	1	0	262	0.0	0	0	0	0	0.0	0	0	0	1	0.2	1	0	0	27
	Repair Peripheral Vessels	9.0	8	7	7	1,048	0.2	1	0	0	26	0.1	0	0	0	8	4.4	14	1	0	515
	Fasciotomy	1.4	2	1	0	160	0.1	0	0	0	8	0.0	0	0	0	2	3.2	3	2	0	375
	Subtotal - Trauma	13.9	10	12	8	1,607	0.3	1	0	0	34	0.1	1	0	0	15	8.1	15	4	2	945
Total Major	Total Major	399.5	122	384	249	46,340	2.6	6	0	0	304	4.0	9	1	0	460	181.3	116	161	233	21,031
Venous	Portal-Systemic Shunt	0.2	1	0	0	20	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	3
	Operation For Varicose Veins	6.0	7	3	0	694	0.2	1	0	0	24	0.0	0	0	0	3	5.5	9	3	0	641
	Sclerotherapy, Periph Vein	0.5	2	0	0	59	0.0	0	0	0	0	0.0	0	0	0	2	0.2	1	0	0	21
	Embolectomy/Thrombectomy,	0.3	1	0	0	34	0.0	0	0	0	0	0.0	0	0	0	0	0.3	1	0	0	39
	Endoluminal ablation	7.7	9	4	0	895	0.0	0	0	0	5	0.1	1	0	0	15	0.9	3	0	0	106
	Operations For Venous Ulceration	0.2	1	0	0	26	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	5
	Venous Reconstruction	1.3	2	1	0	150	0.0	0	0	0	0	0.0	0	0	0	3	0.1	0	0	0	17
	Translum balloon angio, venous	14.3	17	9	2	1,659	0.1	0	0	0	7	0.1	0	0	0	7	4.9	7	2	0	574
	Translum mech thrombect, venous	1.4	2	1	0	167	0.0	0	0	0	2	0.0	0	0	0	1	0.4	1	0	0	42
	Thrombolysis, transven, transcat	1.2	2	0	0	142	0.0	0	0	0	0	0.0	0	0	0	0	0.5	1	0	0	62
	Exch of thromb cath (Sec Only)	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.3	1	0	0	34
	Interruption of IVC	20.7	21	16	6	2,405	0.7	3	0	0	76	0.1	0	0	0	8	2.4	5	1	0	273
	Repair A-V Malformation	0.1	0	0	0	14	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	2
	Subtotal - Venous	54.0	37	47	30	6,265	1.0	4	0	0	114	0.3	2	0	0	39	15.7	16	11	1	1,819

VASCULAR SURGERY: NATIONAL RESIDENT REPORT (Main Table)
Reporting Period: Total Experience of Residents Completing Programs in 2008-2009
Residency Review Committee for Vascular Surgery

[PART 5]		Number of Programs in the Nation: 90 Number of Residents in the Nation: 116																			
		Surgeon Fellow					Teaching Assistant					First Assistant					Secondary Procedures				
		Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res SUM
RRC Area	RRC Procedure																				
Endovas-Diag	Arteriography	92.2	45	90	55	10,693	0.3	1	0	0	40	0.4	1	0	0	43	243.8	217	204	0	28,277
	Venography	14.1	17	9	7	1,641	0.0	0	0	0	5	0.0	0	0	0	3	23.9	30	16	0	2,774
	Angioscopy	0.0	0	0	0	4	0.0	0	0	0	0	0.0	0	0	0	0	3.6	30	0	0	413
	Intravascular Ultrasound	1.7	3	0	0	194	0.0	0	0	0	2	0.0	0	0	0	1	8.5	21	1	0	981
	Subtotal - Endo Diagnostic	108.0	49	104	104	12,532	0.4	1	0	0	47	0.4	1	0	0	47	279.7	246	228	0	32,445
Misc Vascular	Exploration of artery	3.0	8	2	0	343	0.0	0	0	0	5	0.1	1	0	0	8	26.8	36	8	0	3,106
	Postop exp bleed, Thromb Infect	2.6	4	1	0	298	0.0	0	0	0	2	0.0	0	0	0	2	0.9	2	0	0	102
	Major Vascular Ligation	2.5	2	2	1	292	0.1	0	0	0	13	0.0	0	0	0	2	1.1	2	0	0	122
	Inject pseudoaneurysm	1.8	3	1	0	204	0.0	0	0	0	0	0.0	0	0	0	3	0.1	0	0	0	15
	Spine Exposure	1.9	4	0	0	215	0.0	0	0	0	1	0.1	1	0	0	10	0.4	1	0	0	46
	Sympathectomy	0.2	1	0	0	28	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	5
	Lymphatic Procedure	0.1	0	0	0	14	0.0	0	0	0	1	0.0	0	0	0	0	0.0	0	0	0	2
	Other misc vascular proc	1.4	5	0	0	165	0.0	0	0	0	2	0.0	0	0	0	1	0.9	3	0	0	102
	Subtotal - Misc Vascular	13.4	13	10	7	1,559	0.2	1	0	0	24	0.2	1	0	0	26	30.2	38	14	0	3,500
Vascular Access	A-V Fistula	17.9	17	14	0	2,082	0.5	2	0	0	63	0.1	1	0	0	13	0.9	2	0	0	109
	A-V Graft	7.6	8	5	0	885	0.2	1	0	0	23	0.1	0	0	0	6	0.6	2	0	0	71
	Percutaneous-Other Access	4.5	10	0	0	518	0.0	0	0	0	2	0.0	0	0	0	1	1.3	3	0	0	145
	Revision, A-V Access	8.2	8	6	0	949	0.1	0	0	0	7	0.0	0	0	0	5	3.3	7	1	0	388
	Subtotal - Vascular Access	38.2	33	30	0	4,434	0.8	3	0	0	95	0.2	1	0	0	25	6.1	10	3	0	713
Amputations	Amputation, Digit	3.6	5	2	0	423	0.3	1	0	0	32	0.0	0	0	0	0	1.0	2	0	0	118
	Amputation, Transmetatarsal	2.6	3	2	0	306	0.2	1	0	0	18	0.0	0	0	0	5	0.6	2	0	0	73
	Amputation, Below Knee	5.8	5	5	0	677	0.5	1	0	0	60	0.0	0	0	0	3	0.3	1	0	0	39
	Amputation, Above Knee	5.7	5	5	0	658	0.5	1	0	0	54	0.0	0	0	0	4	0.7	1	0	0	76
	Amputation, Upper Extremity	0.1	0	0	0	14	0.0	0	0	0	1	0.0	0	0	0	0	0.0	0	0	0	2
	Amputation Closure, Revision	0.7	1	0	0	77	0.0	0	0	0	5	0.0	0	0	0	2	0.1	0	0	0	9
	Subtotal - Amputations	18.6	15	15	2	2,155	1.5	3	0	0	170	0.1	1	0	0	14	2.7	3	2	0	317
Total Minor	Total Minor	232.3	95	218	198	26,945	3.9	10	0	0	450	1.3	4	0	0	151	334.4	277	288	0	38,794
Total Operations	TOTAL	631.8	184	603	598	73,285	6.5	14	1	0	754	5.3	12	1	0	611	515.7	363	438	256	59,825

VASCULAR SURGERY: NATIONAL PROGRAM STATISTICS REPORT (Benchmarks Table)

Reporting Period: Total Experience of Residents Completing Programs in 2008-2009

Residency Review Committee for Vascular Surgery

[PART 1] Number of Programs in the Nation: 90 Number of Residents in the Nation: 116																						
	Surgeon Fellow											Secondary Procedures										
	Prog Percentiles					Prog Standard Deviations						Prog Percentiles					Prog Standard Deviations					
	10	30	50	70	90	-3	-2	-1	+1	+2	+3	10	30	50	70	90	-3	-2	-1	+1	+2	+3
RRC Area																						
Aneurysm-Repair	50	69	89	102	143	0	18	55	131	168	206	2	6	13	24	48	0	0	0	44	68	92
Cerebrovascular	41	55	67	80	110	0	16	45	101	130	158	1	3	4	6	13	0	0	0	11	16	21
Periph-Obstruct	100	125	148	186	231	0	44	104	224	284	344	33	72	105	146	222	0	0	41	193	270	346
Abdominal-Obstruct	4	10	14	20	28	0	0	6	26	36	45	1	2	5	11	18	0	0	0	20	31	42
Upper Extremity	5	7	9	12	19	0	0	3	18	26	34	0	1	2	4	9	0	0	0	7	11	15
Extra-Anatomic	4	6	9	12	16	0	0	5	16	21	27	0	2	2	4	9	0	0	0	7	11	14
Thromb/Mech Thromb	1	4	8	13	20	0	0	1	20	30	39	0	1	2	4	14	0	0	0	13	20	28
Misc Endovasc Thera	1	3	5	9	18	0	0	0	21	33	45	1	2	5	8	21	0	0	0	21	33	45
Trauma	5	8	13	16	28	0	0	4	24	34	44	0	2	4	7	17	0	0	0	23	37	52
Total Major	258	317	367	451	549	32	155	277	522	644	767	55	109	159	232	329	0	0	65	297	414	530
Venous	20	30	46	66	113	0	0	17	91	128	164	2	7	11	19	33	0	0	0	32	49	65
Endovas-Diag	54	85	105	124	161	0	10	59	157	206	255	34	139	228	340	524	0	0	34	525	771	1,017
Misc Vascular	3	6	10	15	26	0	0	0	26	39	52	0	3	13	39	71	0	0	0	68	106	144
Vascular Access	4	15	26	51	82	0	0	5	71	105	138	0	1	3	7	16	0	0	0	16	25	35
Amputations	2	10	16	23	40	0	0	4	33	48	63	0	1	2	3	7	0	0	0	6	9	13
Total Minor	130	173	229	261	349	0	42	137	327	422	518	58	177	276	400	686	0	0	58	611	888	1,165
Total Operations	421	522	602	671	855	81	265	448	815	999	1,182	137	309	445	605	951	0	0	152	879	1,243	1,606