



Accreditation Council for Graduate Medical Education

Surgery Case Logs

National Data Report

Prepared by: Department of Applications and Data Analysis

- I. National Resident Statistics Main Table
 - 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 national level.
 - i. "Natl Res AVE" - The national 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.
 - iii. "Natl Res MAX" - This statistics represents the maximum value seen among procedure counts.
- II. National Benchmark Table 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 programs achieved averages less than the value while the remaining 90% achieved more than the value.

SURGERY: NATIONAL RESIDENT REPORT (Main Table)
Reporting Period: Total Experience of Residents Completing Programs in 2015-2016
Residency Review Committee for Surgery
Report Date: September 20, 2016

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Number of Programs in the Nation: 248 Number of Residents in the Nation: 1,172

		Surgeon Chief			Surgeon Junior			Surgeon Total		
		Natl Res AVE	Natl Res STD	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MAX
RRC Area	RRC Procedure									
SKIN/SOFT TIS	MAJ LYMPHADENECTOMIES	0.7	1	11	2.5	3	19	3.2	3	23
	MAJ EXC & REP/GRAFT FOR SKIN NEOPLASM	1.9	3	32	9.2	8	64	11.1	9	67
	SENTINEL LYMPH NODE BIOPSY FOR MELANOMA	0.8	1	15	2.5	3	30	3.3	3	30
	RAD EXCIS SOFT TIS TUMOR	0.7	1	11	2.0	2	22	2.7	3	24
	PILONIDAL CYSTECTOMY	0.7	1	11	4.3	3	23	5.0	4	24
	OTHER MAJOR SKIN/SOFT TIS	5.0	5	48	24.7	14	91	29.7	17	116
	Subtotal - SKIN/SOFT TIS	9.9	8	53	45.3	19	134	55.1	22	145
HEAD/NECK	RESECT LESION-LIPS	0.0	0	1	0.1	0	6	0.1	0	6
	RESECT LESION-TONGUE	0.0	0	4	0.1	0	5	0.2	1	5
	RESECT LESION-FLOOR MOUTH/BUCCAL MUC	0.0	0	1	0.1	0	5	0.1	0	5
	PAROTIDECTOMY	0.1	1	5	0.6	1	11	0.7	1	11
	RESECT OTHER SALIVARY GLND	0.0	0	2	0.1	0	5	0.2	1	5
	RADICAL NECK DISSECT	0.3	1	7	1.0	2	20	1.3	2	20
	RESECT MANDIBLE/MAXILLA	0.0	0	1	0.0	0	2	0.0	0	2
	TRACHEOSTOMY	2.0	3	37	12.2	9	56	14.2	10	87
	OTHER MAJOR HEAD/NECK	0.9	1	12	5.1	5	43	6.0	5	43
	Subtotal - HEAD/NECK	3.5	4	39	19.3	12	86	22.8	13	91
BREAST	BREAST BIOPSY	1.3	3	25	13.8	13	94	15.0	14	94
	SENTINEL LYMPH NODE BIOPSY (BREAST)	0.6	2	16	3.3	4	51	3.9	5	59
	SIMPLE MASTECTOMY	1.7	3	30	9.1	7	53	10.8	8	73
	MOD RAD MASTECTOMY	0.8	1	12	4.2	4	33	5.0	4	35
	RADICAL MASTECTOMY	0.0	0	2	0.1	0	6	0.2	1	7
	EXC BX/QUADRANT EXC W/WO AX SAMPLING	2.4	4	43	17.8	13	95	20.2	14	99
	BREAST RECONSTRUCTION	0.6	3	40	4.3	7	62	4.9	8	83
	OTHER MAJOR BREAST	0.3	1	9	2.0	2	20	2.4	3	23
	Subtotal - BREAST	7.7	10	86	54.7	27	187	62.4	30	273

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RRC Area	RRC Procedure										
ALIM TR-ESOPHAGUS	ESOPHAGECTOMY	0.4	1	8	0.5	1	13	1.0	2	14	
	ESOPHAGO-GASTRECTOMY	0.4	1	11	0.6	1	9	1.1	2	11	
	ANTIREFLUX PROC-OPEN	0.1	1	15	0.6	1	21	0.7	1	21	
	ANTIREFLUX PROC-LAPAROSCOPIC	3.6	5	34	3.8	4	32	7.4	7	55	
	ESOPHAGEAL BYPASS PROCEDURE	0.0	0	2	0.0	0	3	0.1	0	3	
	REPAIR OF PERF-ESOPH DISEASE	0.0	0	2	0.0	0	2	0.0	0	2	
	OTHER OPS FOR ESOPHAGEAL STENOSIS	0.0	0	3	0.1	0	4	0.1	0	5	
	ESOPHAGEAL DIVERTICULECTOMY	0.1	0	2	0.1	0	3	0.1	0	3	
	OTHER MAJOR ESOPHAGUS	0.1	0	3	0.2	1	21	0.3	1	21	
	Subtotal - ALIM TR-ESOPHAGUS		4.9	5	42	6.1	6	42	11.0	9	71
ALIM TR-STOMACH	GASTROSTOMY (ALL TYPES)-OPEN	1.1	1	10	3.1	3	56	4.2	4	61	
	GASTROSTOMY (ALL TYPES)-LAPAROSCOPIC	0.6	1	16	2.4	3	21	3.0	3	22	
	GASTRIC RESECT, PARTIAL-OPEN	1.7	2	20	1.5	2	17	3.2	3	22	
	GASTRIC RESECT, PARTIAL-LAPAROSCOPIC	4.7	8	58	6.8	10	70	11.5	14	109	
	GASTRIC RESECT, TOTAL	0.6	1	10	0.4	1	8	1.0	1	14	
	VAGOTOMY, TRUN/SEL W/DRAINAGE/RES-OPEN	0.1	0	3	0.1	0	4	0.2	1	5	
	VAGOTOMY, TRUN/SEL W/DRAINAGE/RES-LAPAR	0.0	0	1	0.0	0	1	0.0	0	1	
	REPAIR PERF-GASTRIC DIS	0.9	1	11	1.5	1	8	2.4	2	12	
	PROX GAST VAGOTOMY, HIGHLY SELECT-OPEN	0.0	0	1	0.0	0	2	0.0	0	2	
	PROX GAST VAGOTOMY, HIGHLY SELECT-LAPAR	0.0	0	1	0.0	0	1	0.0	0	2	
	GASTRIC REDUC FOR MORBID OBESITY (ALL)	1.8	6	78	2.9	8	88	4.7	11	139	
	GASTRIC REDUC FOR MORBID OBESITY-LAP	0.7	2	37	1.8	5	77	2.5	5	84	
	OTHER MAJOR STOMACH [no open/close dist]	1.1	1	13	2.3	2	26	3.4	3	27	
	Subtotal - ALIM TR-STOMACH		13.2	12	85	22.8	17	194	36.0	24	267

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RRC Area	RRC Procedure										
ALIM TR-SMALL INT	ENTEROLYSIS - OPEN	1.6	2	17	2.7	3	25	4.2	4	37	
	ENTEROLYSIS-LAPAROSCOPIC	1.2	2	18	2.1	3	32	3.3	4	40	
	ENTERECTOMY - OPEN	6.0	4	27	10.5	6	52	16.6	9	60	
	ENTERECTOMY-LAPAROSCOPIC	0.5	1	10	0.7	1	14	1.2	2	15	
	REPAIR PERF-DUODENAL DIS	0.1	0	4	0.2	1	5	0.4	1	6	
	REPAIR PERF-SMALL BOWEL DIS	0.9	1	9	1.9	2	12	2.8	2	18	
	ILEOSTOMY (NOT ASSOC W/COLECTOMY)-OPEN	0.7	1	7	1.6	2	12	2.3	2	15	
	ILEOSTOMY (NOT ASSOC W/COLECTOMY)-LAP	0.7	1	6	1.1	1	10	1.7	2	12	
	DIVERTICULECTOMY	0.1	0	3	0.3	1	4	0.4	1	7	
	OTHER MAJOR SMALL INT	1.0	1	10	2.0	2	15	2.9	3	20	
	Subtotal - ALIM TR-SMALL INT		12.7	7	51	23.0	11	92	35.7	15	143
ALIM TR-LARGE INT	APPENDECTOMY-OPEN	0.9	1	14	5.9	6	46	6.9	6	46	
	APPENDECTOMY-LAPAROSCOPIC	9.8	9	71	46.9	22	223	56.7	25	237	
	COLOSTOMY (ALL TYPES)	2.2	2	12	4.3	3	19	6.6	4	21	
	COLOSTOMY CLOSURE	1.5	2	17	2.8	3	33	4.3	4	37	
	COLECTOMY/PROCTECTOMY-OPEN	13.2	7	49	20.2	10	71	33.4	13	94	
	COLECTOMY/PROCTECTOMY-LAPAROSCOPIC	11.0	10	74	11.8	9	75	22.8	15	106	
	COLECTOMY W/ ILEOANAL PULL-THRU	0.2	1	5	0.2	1	6	0.4	1	6	
	COLECTOMY W/ CONTINENT RECONSTRUCT	0.1	0	3	0.3	1	9	0.4	1	9	
	ABDOMINO-PERINEAL RESECTION	1.3	2	19	1.2	2	16	2.5	3	26	
	TRANSANAL RECTAL TUMOR EXCISION	0.3	1	8	0.9	2	29	1.1	2	36	
	REPAIR PERF-COLON DIS	0.3	1	5	0.5	1	5	0.7	1	5	
	OTHER MAJOR LARGE INT	0.4	1	9	0.7	1	9	1.0	1	13	
	Subtotal - ALIM TR-LARGE INT		41.3	19	172	95.6	33	277	136.9	40	319

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		Natl Res AVE	Natl Res STD	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MAX
RRC Area	RRC Procedure									
ALIM TR-ANO-RECTAL	HEMORRHOIDECTOMY (ALL)	2.1	3	24	7.2	6	62	9.2	7	65
	SPHINCTEROTOMY/SPHINCTEROPLASTY	0.4	1	13	1.2	2	13	1.6	2	24
	DRAINAGE PROC FOR ANORECTAL ABSCESS	1.4	2	16	6.4	5	29	7.8	5	32
	REPAIR ANORECTAL FISTULA	0.3	1	7	0.9	1	11	1.3	2	11
	OTHER OPERATIONS FOR ANAL INCONTINENCE	0.0	0	3	0.1	0	3	0.1	0	3
	REPAIR RECTAL PROLAPSE	0.4	1	7	0.7	1	16	1.1	2	19
	OTHER MAJOR ANO-RECTAL	2.5	3	27	7.0	6	43	9.5	7	54
	Subtotal - ALIM TR-ANO-RECTAL	7.1	7	57	23.6	13	88	30.7	16	115
ABDOMEN-GENERAL	EXP LAP EXCLUSIVE OF TRAUMA-OPEN	7.4	6	54	14.8	10	119	22.2	14	123
	EXP LAP EXCLUSIVE OF TRAUMA-LAPAR	4.0	4	36	8.4	6	45	12.4	9	81
	DRAINAGE INTRA-ABDOMINAL ABSCESS	0.2	1	7	0.6	1	18	0.8	2	22
	MAJ RETROPERIT/PELVIC NODE DISSEC-OPEN	0.2	0	4	0.1	0	7	0.3	1	7
	OTHER MAJOR AB-GENERAL-LAP COMPLEX	0.3	1	9	0.5	1	8	0.8	1	11
	OTHER MAJOR AB-GENERAL	1.5	2	16	2.2	2	18	3.7	3	24
	Subtotal - ABDOMEN-GENERAL	13.6	8	69	26.7	14	144	40.3	19	155
ABDOMEN-LIVER	LOBECTOMY OR SEGMENTECTOMY	3.1	4	31	2.5	3	23	5.6	5	32
	WEDGE RESECTION/OPEN BIOPSY	0.9	1	8	1.2	2	38	2.0	2	44
	DRAINAGE LIVER ABSCESS	0.2	1	3	0.3	1	4	0.5	1	5
	OTHER MAJOR LIVER	0.7	1	10	1.0	1	16	1.7	2	18
	Subtotal - ABDOMEN-LIVER	4.9	5	42	4.9	4	40	9.9	6	47

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RRC Area	RRC Procedure									
ABDOMEN-BILIARY	CHOLECYSTOSTOMY	0.1	0	4	0.1	0	4	0.2	1	5
	CHOLECYSTECTOMY W/WO OPER GRAMS-OPEN	2.4	2	24	5.9	4	44	8.2	5	47
	CHOLECYSTECTOMY W/WO OPER GRAMS-LAPAR	27.3	17	141	82.1	34	214	109.4	40	314
	COMMON BILE DUCT EXPLOR-OPEN	0.4	1	6	0.5	1	10	0.8	1	11
	COMMON BILE DUCT EXPLOR-LAPAR	0.2	1	6	0.4	1	10	0.6	1	11
	CHOLEDOCHOENTERIC ANASTOMOSIS	0.7	1	7	0.7	1	11	1.5	2	14
	SPHINCTEROPLASTY (ODDI)	0.0	0	2	0.0	0	5	0.1	0	5
	OTHER MAJOR BILIARY	0.1	0	5	0.2	1	5	0.3	1	6
	Subtotal - ABDOMEN-BILIARY	31.3	17	150	89.9	35	224	121.2	42	326
ABDOMEN-PANCREAS	DRAINAGE PANCREATIC ABSCESS	0.0	0	2	0.0	0	3	0.1	0	3
	RESECTION FOR PANCREATIC NECROSIS	0.3	1	6	0.4	1	7	0.7	1	7
	PANC RESECTION, DISTAL	1.8	2	12	1.1	1	13	2.9	3	17
	PANC RESECTION, WHIPPLE	3.5	4	24	1.6	2	16	5.2	5	34
	PANC RESECTION, TOTAL	0.2	1	9	0.1	0	6	0.3	1	14
	DRAINAGE PSEUDOCYST (ALL TYPES)	0.3	1	6	0.3	1	6	0.5	1	7
	PANCREATICOJEJUNOSTOMY	0.1	0	3	0.1	0	5	0.2	1	5
	OTHER MAJOR PANCREAS	0.4	1	9	0.3	1	8	0.6	1	9
	Subtotal - ABDOMEN-PANCREAS	6.6	6	56	3.9	4	36	10.5	8	88
ABDOMEN-SPLEEN	SPLENECTOMY FOR DISEASE-OPEN	0.6	1	5	0.8	1	7	1.5	1	9
	SPLENECTOMY FOR DISEASE-LAPAR	0.6	1	5	0.7	1	8	1.3	1	10
	Subtotal - ABDOMEN-SPLEEN	1.2	1	7	1.5	2	11	2.8	2	16
ABDOMEN-HERNIA	INGUINAL-FEMORAL (ALL)-OPEN	9.5	7	64	37.4	15	99	46.9	17	111
	INGUINAL-FEMORAL (ALL)-LAPAROS	11.4	10	82	21.6	14	93	33.0	20	134
	VENTRAL	10.9	7	51	34.3	13	85	45.2	16	115
	OTHER MAJOR HERNIAS	0.1	0	2	0.4	1	4	0.5	1	4
	Subtotal - ABDOMEN-HERNIA	31.9	17	125	93.7	30	205	125.6	36	267

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		Natl Res AVE	Natl Res STD	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MAX	
RRC Area	RRC Procedure										
VASC - ANEURYSM REPAIR	OPEN REPAIR INFRARENAL A-I ANEURYSM, RUPTURED	0.1	0	4	0.2	1	8	0.3	1	10	
	OPEN REPAIR INFRARENAL A-I ANEURYSM, ELECTIVE	0.3	1	10	0.6	1	11	0.9	2	17	
	ENDOVASCULAR REPAIR ABD AORTIC/ILIAC ANEURYSM	0.8	2	28	2.2	3	27	3.0	4	39	
	ENDOVASCULAR REPAIR OF ILIAC ARTERY	0.0	0	3	0.1	0	3	0.1	0	5	
	REPAIR SUPRARENAL AORTIC ANEURYSM	0.0	0	2	0.1	0	2	0.1	0	2	
	REPAIR THORACIC AORTIC ANEURYSM	0.0	0	1	0.0	0	2	0.0	0	2	
	ENDOVASCULAR REPAIR THORACIC AORTIC ANEURYSM	0.1	1	7	0.3	1	8	0.5	1	8	
	REPAIR THORACOABDOMINAL AORTIC ANEURYSM	0.0	0	3	0.1	0	4	0.1	0	4	
	REPAIR FEMORAL ANEURYSM	0.2	1	5	0.4	1	5	0.6	1	7	
	REPAIR POPLITEAL ANEURYSM	0.1	0	3	0.2	0	4	0.2	1	4	
	REPAIR OTHER ANEURYSM - DEF CAT CREDIT	0.0	0	2	0.1	0	1	0.1	0	2	
	Subtotal - VASC-ANEURYSM REPAIR		1.8	3	39	4.2	4	35	6.1	6	60
	VASC - CEREBROVASCULAR	CAROTID ENDARTERECTOMY	2.9	5	57	6.9	6	73	9.8	9	100
REOPERATIVE CAROTID SURGERY		0.0	0	2	0.0	0	2	0.1	0	2	
TRANSCATHETER PLACEMENT CAROTID ARTERY STENT		0.1	0	4	0.1	1	7	0.2	1	8	
EXCISE CAROTID BODY TUMOR		0.0	0	4	0.1	0	4	0.1	0	4	
VERTEBRAL BYPASS OR REIMPLANTATION /TRANSPOSITION		0.0	0	1	0.0	0	1	0.0	0	2	
DIRECT REPAIR AORTIC ARCH BRANCHES		0.0	0	1	0.0	0	3	0.0	0	3	
TRANSLUMINAL BALLOON ANGIOPLASTY - BRACHIOCEPHALIC		0.0	0	10	0.2	1	13	0.3	1	13	
TRANSCATHETER PLACE OF INTRAVASC STENT, NONCOR.		0.0	0	1	0.0	0	5	0.0	0	5	
CERVICAL BYPASS AORTIC ARCH BRANCHES		0.2	0	4	0.3	1	6	0.4	1	8	
EMBOLECTOMY/THROMBECTOMY BY NECK OR THORACIC INCIS		0.0	0	5	0.1	0	4	0.1	0	5	
OTHER MAJOR CEREBROVASCULAR - DEF CAT CREDIT		0.0	0	1	0.1	0	5	0.1	0	5	
Subtotal - VASC-CEREBROVASCULAR			3.2	5	58	7.9	7	75	11.1	10	104

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RRC Area	RRC Procedure									
VASC - PERIPH OBSTRUCTIVE	AORTO-ILIO/FEMORAL ENDARTERECTOMY	0.1	1	6	0.3	1	8	0.4	1	11
	AORTO-ILIO/FEMORAL BYPASS, PROSTHETIC	0.3	1	11	0.7	1	17	1.1	2	28
	AORTO-ILIO/FEMORAL BYPASS, VEIN	0.0	0	4	0.1	0	4	0.1	0	4
	TRANSLUMINAL BALLOON ANGIOPLASTY AORTA OR ILIAC	0.3	1	8	0.8	2	19	1.2	2	19
	TRANSLUMINAL ATHERECTOMY AORTA OR ILIAC	0.0	0	4	0.0	0	4	0.0	0	5
	TRANSCATHETER PLACEMENT INTRAVASC STENT AORTA	0.1	0	8	0.2	1	7	0.3	1	10
	ILIO-ILIAC/FEMORAL ENDARTERECTOMY	0.1	0	3	0.3	1	19	0.3	1	20
	EXCISE INFECTED GRAFT, ABDOMEN OR CHEST	0.0	0	3	0.0	0	2	0.0	0	3
	REPAIR GRAFT-ENTERIC/AORTO-ENTERIC FISTULA	0.0	0	1	0.0	0	2	0.0	0	2
	FEMORAL, PROFUNDA ENDARTERECTOMY	0.5	1	8	1.2	2	10	1.7	2	17
	FEMORAL-POPLITEAL BYPASS, VEIN	0.7	1	11	1.9	2	17	2.6	3	18
	FEMORAL-POPLITEAL BYPASS, PROSTHETIC	0.4	1	7	1.2	2	14	1.6	2	14
	TRANSLUMINAL BALLOON ANGIOPLASTY FEMORAL-POPLITEAL	0.5	2	22	1.6	3	27	2.1	3	33
	TRANSLUMINAL ATHERECTOMY FEMORAL-POPLITEAL	0.1	0	4	0.3	1	17	0.4	1	17
	ENDARTERECTOMY, SUPERFICIAL FEMORAL, POPLITEAL	0.3	1	7	0.6	1	10	0.9	1	12
	INFRAPOPLITEAL BYPASS, VEIN	0.6	1	16	1.5	2	14	2.1	3	25
	INFRAPOPLITEAL BYPASS, PROSTHETIC	0.2	1	11	0.4	1	6	0.5	1	12
	TRANSLUMINAL BALLON ANGIOPLASTY, TIBIOPERONEAL	0.2	1	13	0.5	1	19	0.7	2	26
	TRANSLUMINAL ATHERECTOMY, TIBIOPERONEAL	0.0	0	6	0.1	1	10	0.2	1	11
	TRANSCATHETER PLACE OF INTRAVASCULAR STENT NON-COR	0.0	0	4	0.4	1	12	0.4	1	12
	EXCISE INFECTED GRAFT, PERIPHERAL	0.1	0	5	0.5	1	7	0.6	1	8
	REVISE ARTERIAL BYPASS	0.1	0	5	0.5	1	7	0.6	1	8
	ARTERIAL EMBOLECTOMY/THROMBECTOMY BY LEG INCISION	0.4	1	15	1.3	2	11	1.7	2	16
	GRAFT THROMBECTOMY	0.1	0	10	0.2	1	5	0.2	1	10
	ADJUNCTIVE VEIN CUFF OR AVF	0.0	0	3	0.0	0	6	0.0	0	7
	HARVEST ARM VEIN	0.0	0	4	0.0	0	4	0.1	0	5
	COMPOSITE LEG BYPASS GRAFT	0.0	0	2	0.0	0	3	0.0	0	3
	RE-DO LOWER EXTREMITY BYPASS	0.0	0	4	0.1	0	3	0.1	0	4
	OTHER MAJOR PERIPHERAL - DEF CAT CREDIT	0.0	0	0	0.0	0	1	0.0	0	1
	Subtotal - VASC-PERIPH OBST		5.3	8	51	14.7	11	73	20.0	14

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		Surgeon Chief			Surgeon Junior			Surgeon Total		
		Natl Res AVE	Natl Res STD	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MAX
RRC Area	RRC Procedure									
VASC - ABDOMINAL OBSTRUCTIVE	CELIAC/SMA ENDARTERECTOMY, BYPASS	0.1	0	3	0.1	0	3	0.2	0	3
	RENAL ENDARTERECTOMY, BYPASS	0.0	0	1	0.0	0	2	0.0	0	2
	EMBOLECTOMY/THROMBECTOMY, RENAL	0.0	0	3	0.1	0	3	0.1	0	3
	TRANSLUMINAL BALLOON ANGIOPLASTY, RENAL	0.0	0	7	0.1	0	5	0.1	0	7
	TRANSLUMINAL ATHERECTOMY, RENAL	0.0	0	1	0.0	0	2	0.0	0	2
	TRANSCATHETER PLACE OF STENT, RENAL ARTERY	0.0	0	2	0.1	0	4	0.1	0	4
	Subtotal - VASC-ABDOMINAL OBSTRUCT		0.2	1	9	0.4	1	8	0.6	1
VASC - UPPER EXTREMITY	OPEN BRACHIAL ARTERY EXPOSURE	0.0	0	3	0.1	0	3	0.1	0	3
	ARM BYPASS,ENDARTERECTOMY,REPAIR	0.1	0	3	0.5	1	6	0.6	1	7
	TRANSCATH PLACE OF INTRAVASC STENT, NON	0.0	0	2	0.1	0	6	0.1	0	6
	THORACIC OUTLET DECOMPRESSION PROC	0.0	0	3	0.2	1	9	0.3	1	10
	EMBOLECTOMY/THROMBECTOMY, BY ARM INCISION	0.2	0	4	0.6	1	8	0.7	1	8
	Subtotal - VASC-UPPER EXTREMITY		0.4	1	6	1.5	2	14	1.9	2
VASC - EXTRA-ANATOMIC	AXILLO-FEMORAL BYPASS	0.2	1	4	0.4	1	5	0.6	1	6
	AXILLO-POPLITEAL-TIBIAL BYPASS	0.0	0	2	0.0	0	3	0.0	0	3
	FEMORAL-FEMORAL BYPASS	0.3	1	6	0.8	1	10	1.1	1	11
	Subtotal - VASC-EXTRA-ANATOMIC		0.5	1	8	1.3	2	10	1.8	2
VASC - THROMBOLYSIS/MECH	TRANSLUMINAL MECHANICAL THROMBECTOMY	0.1	0	3	0.3	1	8	0.4	1	8
	THROMBOLYSIS, TRANSARTERIAL, TRANSCATHETER	0.1	0	4	0.2	1	8	0.3	1	10
	EXCHANGE OF THROMBOLYSIS CATHETER	0.0	0	9	0.0	0	5	0.1	0	10
	Subtotal - VASC-THROMBOLYSIS/MECH THROMB		0.1	1	11	0.6	1	11	0.7	2
VASC - MISC ENDOVASC THERAP	ENDO PLACE OF ILIAC ARTERY OCCLUSION DEV	0.0	0	1	0.0	0	3	0.0	0	3
	TRANSCATHETER THERAPY, INFUSION NON	0.0	0	1	0.0	0	5	0.0	0	5
	TRANSCATHETER RETRIEVAL OF INTRAVASCULAR	0.0	0	1	0.0	0	3	0.0	0	3
	TRANSCATHETER ARTERIAL OCCLUSION OR	0.1	0	5	0.1	0	3	0.2	1	5
	Subtotal - VASC-MISC ENDOVASC THERA		0.1	0	5	0.3	1	6	0.3	1

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RRC Area	RRC Procedure									
VASC - TRAUMA	EXPOSURE OF THORACIC VESSELS	0.0	0	1	0.0	0	1	0.0	0	1
	REPAIR THORACIC VESSELS	0.0	0	1	0.0	0	2	0.1	0	2
	EXPOSURE OF NECK VESSELS	0.0	0	2	0.0	0	1	0.0	0	2
	REPAIR NECK VESSELS	0.0	0	2	0.0	0	2	0.0	0	2
	EXPOSURE OF ABDOMINAL VESSELS	0.0	0	2	0.0	0	2	0.0	0	2
	REPAIR ABDOMINAL VESSELS	0.0	0	3	0.1	0	3	0.1	0	3
	EXPOSURE OF PERIPHERAL VESSELS	0.0	0	2	0.1	0	3	0.2	0	3
	REPAIR PERIPHERAL VESSELS	0.2	1	5	0.6	1	8	0.9	1	11
	FASCIOTOMY	0.2	0	4	0.9	1	9	1.2	1	9
	Subtotal - VASC-TRAUMA	0.6	1	9	1.9	2	13	2.5	2	18
VASC - VENOUS	PORTAL-SYSTEMIC SHUNT	0.0	0	2	0.0	0	2	0.0	0	2
	OPERATION FOR VARICOSE VEINS	0.3	1	13	2.8	4	31	3.2	4	35
	SCLEROTHERAPY, PERIPH VEIN	0.0	0	1	0.1	1	21	0.1	1	21
	EMBOLECTOMY/THROMBECTOMY, VENOUS	0.0	0	3	0.1	0	8	0.2	0	8
	VENA CAVAL INTERRUPTION/FILTER	0.3	2	31	1.5	4	37	1.8	4	46
	OPERATIONS FOR VENOUS ULCERATION	0.0	0	1	0.0	0	3	0.1	0	3
	VENOUS RECONSTRUCTION	0.1	0	2	0.1	0	13	0.2	1	13
	TRANSLUMINAL BALLOON ANGIOPLASTY, VENOUS	0.2	1	20	1.1	3	36	1.3	3	37
	TRANSLUMINAL MECHANICAL THROMBECTOMY, VENOUS	0.0	0	2	0.1	0	5	0.1	0	5
	THROMBOLYSIS, TRANSVENOUS, TRANSCATHETER	0.0	0	4	0.1	0	7	0.1	0	8
	EXCHANGE OF THROMBOLYSIS CATH	0.0	0	0	0.0	0	1	0.0	0	1
	INTERRUPTION OF IVC	0.3	1	10	1.9	3	42	2.2	4	47
	REPAIR A-V MALFORMATION	0.0	0	1	0.0	0	2	0.0	0	2
	Subtotal - VASC-VENOUS	1.3	3	32	7.9	8	63	9.3	9	69

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		Natl Res AVE	Natl Res STD	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MAX
RRC Area	RRC Procedure									
VASC - ENDOVASCULAR DIAGNOSTIC	ARTERIOGRAPHY	1.2	5	99	4.3	7	59	5.5	10	108
	VENOGRAPHY	0.2	1	35	1.5	5	80	1.7	6	80
	ANGIOSCOPY	0.1	1	38	0.2	1	17	0.2	2	40
	INTRAVASCULAR ULTRASOUND	0.0	0	2	0.1	1	13	0.1	1	13
	Subtotal - VASC-ENDOVASC DIAG	1.5	5	99	6.1	10	107	7.6	12	111
VASC - MISCELLANEOUS VASCULAR	EXPLORATION OF ARTERY	0.3	1	6	1.2	2	18	1.5	2	18
	POSTOPERATIVE EXP. FOR BLEED, THROMB, INFECT	0.2	1	6	0.4	1	11	0.6	1	12
	MAJOR VASCULAR LIGATION	0.4	1	7	2.4	2	29	2.8	3	29
	INJECT PSEUDOANEURYSM	0.0	0	3	0.0	0	5	0.1	0	6
	SPINE EXPOSURE	0.1	1	14	0.3	2	44	0.4	3	58
	SYMPATHECTOMY	0.0	0	3	0.1	0	5	0.1	0	5
	LYMPHATIC PROCEDURE	0.0	0	2	0.0	0	2	0.1	0	2
	OTHER MISCELLANEOUS VASCULAR PROCEDURE	0.1	1	17	0.4	1	13	0.4	1	17
	Subtotal - VASC-MISCELLANEOUS	1.2	2	17	4.8	4	47	5.9	5	61
VASC - VASCULAR ACCESS	A-V FISTULA	2.6	5	43	14.3	10	72	16.9	12	81
	A-V GRAFT	1.0	2	24	5.5	5	57	6.5	6	57
	PERCUTANEOUS-OTHER ACCESS	0.2	1	11	2.5	5	40	2.7	5	40
	REVISION, A-V ACCESS	1.1	3	32	5.4	6	48	6.5	7	48
	Subtotal - VASC-VASC ACCESS	4.9	8	63	27.7	17	120	32.7	20	145

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		Natl Res AVE	Natl Res STD	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MAX
RRC Area	RRC Procedure									
VASC - AMPUTATIONS	AMPUTATION, DIGIT	0.3	1	11	2.6	3	20	2.9	3	21
	AMPUTATION, TRANSMETATARSAL	0.3	1	11	2.3	3	25	2.6	3	28
	AMPUTATION, BELOW KNEE	0.8	1	19	4.6	4	25	5.4	4	35
	AMPUTATION, ABOVE KNEE	0.5	1	15	3.5	3	26	4.0	4	33
	AMPUTATION, UPPER EXTREMITY	0.0	0	2	0.1	0	4	0.2	0	4
	AMPUTATION CLOSURE, REVISION	0.1	0	5	0.5	1	11	0.6	1	11
	Subtotal - VASC-AMPUTATIONS	2.1	3	36	13.7	9	95	15.8	11	120
ENDOCRINE	THYROIDECTOMY, PARTIAL OR TOTAL	6.5	8	69	13.4	11	107	19.9	14	150
	PARATHYROIDECTOMY	3.0	4	37	6.1	6	42	9.1	8	64
	ADRENALECTOMY	1.2	2	16	0.8	1	8	1.9	2	18
	PANCREATIC ENDOCRINE PROC	0.7	1	16	0.3	1	10	1.0	2	19
	OTHER MAJOR ENDOCRINE	0.0	0	3	0.0	0	4	0.1	0	5
	Subtotal - ENDOCRINE	11.3	12	90	20.7	16	150	32.0	21	201
HAND	SOFT TISSUE REPAIR/GRAFT	0.0	0	1	0.0	0	1	0.0	0	1
	TENDON REPAIR/TRANSFER	0.1	1	9	0.4	1	26	0.4	2	35
	NERVE REPAIR	0.0	0	3	0.2	1	6	0.3	1	6
	VASCULAR REPAIR	0.0	0	1	0.0	0	1	0.0	0	1
	REPLANTATION	0.0	0	0	0.0	0	2	0.0	0	2
	OTHER MAJOR HAND	0.2	1	17	1.7	4	51	1.9	4	62
	Subtotal - HAND	0.3	1	24	2.3	5	79	2.6	6	100

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		Natl Res AVE	Natl Res STD	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MAX
RRC Area	RRC Procedure									
THORACIC	EXPLOR THORACOTOMY-OPEN	0.7	1	9	3.3	3	45	4.0	4	45
	EXPLOR THORACOTOMY W/WO BX-THORACOS	1.1	2	31	4.2	4	57	5.3	5	57
	PLEURODESIS-THORACOSCOPIC	0.7	2	15	3.0	3	24	3.6	4	39
	REPAIR DIAPH HERNIA	0.3	1	10	0.5	1	11	0.7	1	11
	EXCISION MEDIASTINAL TUMOR	0.2	1	8	0.9	2	27	1.0	2	27
	PNEUMONECTOMY	0.1	0	3	0.3	1	9	0.4	1	10
	LOBECTOMY/SEGMENTAL RESECT LUNG-OPEN	0.8	2	19	2.7	3	48	3.5	4	51
	LOBECTOMY/SEGMENTAL RESECT LUNG-THORACOS	1.0	3	34	3.1	4	30	4.2	5	63
	WEDGE RESECTION LUNG-OPEN	0.0	0	4	0.7	1	10	0.7	1	10
	WEDGE RESECTION LUNG-THORACOSCOPIC	0.1	1	14	2.9	4	40	3.0	4	40
	THORACIC OUTLET DECOMPRESS PROC	0.0	0	3	0.2	1	10	0.2	1	12
	OPEN DRAINAGE OF EMPYEMA	0.0	0	1	0.1	0	5	0.2	0	5
	PERICARDIECTOMY	0.2	1	5	0.9	1	11	1.1	2	16
	PERICARD WINDOW FOR DRAINAGE-THORACOSCOP	0.1	0	5	0.4	1	9	0.5	1	10
	PACEMAKER INSERTION	0.1	0	6	0.7	2	24	0.7	2	24
	CARDIAC PROCEDURES	0.8	5	80	2.5	7	73	3.3	10	133
	SYMPATHECTOMY, THORACOLUMBAR-THORACOSCOP	0.0	0	5	0.2	1	6	0.2	1	6
	ESOPHAGOMYOTOMY (HELLER)-THORACOSCOPIC	0.0	0	4	0.1	0	5	0.1	0	5
	OTHER MAJOR THORACIC	1.2	2	24	5.6	5	45	6.7	6	49
	Subtotal - THORACIC	7.3	13	113	32.2	21	200	39.5	26	236

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		Natl Res AVE	Natl Res STD	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MAX
RRC Area	RRC Procedure									
PEDIATRIC	HERNIORRHAPHY, INGUINAL/UMBILICAL	0.9	2	20	13.6	8	64	14.5	9	65
	REP BRANCHIAL CLEFT ANOM/THYRO DUCT CYST	0.0	0	3	0.4	1	7	0.5	1	7
	REPAIR DEFORMITY CHEST WALL	0.0	0	3	0.5	1	15	0.5	1	15
	REPAIR DIAPHRAGMATIC HERNIA	0.0	0	4	0.2	1	7	0.3	1	7
	ANTIREFLUX PROCEDURE-OPEN (PEDS)	0.0	0	1	0.3	1	6	0.3	1	6
	ANTIREFLUX PROCEDURE-LAPAROSCOPIC (PEDS)	0.1	1	9	0.9	2	14	1.0	2	14
	REP ESOPH ATRESIA/TRACHEO-ESOPH FIST	0.0	0	4	0.2	0	4	0.2	1	5
	REP INTESTINAL ATRESIA/STENOSIS	0.2	1	5	0.9	1	14	1.1	2	14
	REPAIR PYLORIC STENOSIS	0.2	1	8	2.2	2	17	2.4	2	17
	OPERATION FOR MALROTATION/INTUSSUSCEPT	0.2	1	6	0.9	1	8	1.1	1	9
	PROC FOR MECONIUM ILEUS/NEC ENTEROCOLIT	0.0	0	3	0.2	1	6	0.3	1	6
	DEFIN OP FOR HIRSCHSPRUNGS/IMPERF ANUS	0.1	0	5	0.4	1	6	0.5	1	8
	EXC WILMs TUMOR/NEUROBLASTOMA	0.0	0	7	0.2	0	4	0.2	1	7
	REP OMPHALOCELE/GASTROSCHISIS	0.1	0	4	0.8	1	11	0.9	1	11
	REPAIR OF EXSTROPHY	0.0	0	1	0.0	0	1	0.0	0	1
	REPAIR EPI- AND HYPO-SPADIAS	0.0	0	5	0.2	1	18	0.2	1	18
	ORCHIOPEXY	0.1	1	10	1.2	2	19	1.2	2	19
	OTHER MAJOR PEDIATRIC	0.1	1	8	1.5	2	12	1.6	2	13
	Subtotal - PEDIATRIC	2.1	5	43	24.8	14	124	26.9	14	124

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		Natl Res AVE	Natl Res STD	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MAX
RRC Area	RRC Procedure									
GENITO-URINARY	HYDROCELECTOMY	0.0	0	5	0.4	1	12	0.4	1	14
	CYSTOSTOMY	0.0	0	1	0.1	0	5	0.1	0	5
	CYSECTOMY	0.0	0	5	0.1	0	3	0.1	0	7
	NEPHRECTOMY (W/ DONOR NEPH SEE TRANSPLT)	0.4	1	23	1.2	2	21	1.6	3	35
	ILEAL URINARY CONDUIT	0.0	0	3	0.0	0	3	0.1	0	3
	OTHER MAJOR GENITO-URINARY	0.2	1	9	0.9	1	21	1.1	2	21
	OTHER MAJOR GENITO-URINARY - LAP BASIC	0.1	0	3	0.5	1	18	0.6	1	18
	OTHER MAJOR GENITO-URINARY - LAP COMPLEX	0.0	0	3	0.0	0	3	0.1	0	3
	Subtotal - GENITO-URINARY	0.8	2	30	3.2	4	44	4.0	5	55
GYNECOLOGY	HYSTERECTOMY (ALL)	0.1	0	8	0.5	2	25	0.5	2	27
	SALPINGO-OOPHORECTOMY	0.1	0	5	0.4	1	16	0.5	1	17
	OTHER MAJOR GYNECOLOGY	0.2	1	11	0.8	3	44	1.0	3	44
	OTHER MAJOR GYNECOLOGY - LAPAROSCOPIC	0.0	0	7	0.2	1	28	0.2	1	28
	Subtotal - GYNECOLOGY	0.4	1	13	1.8	5	88	2.2	6	88
PLASTIC	REPAIR CLEFT LIP/CLEFT PALATE	0.0	0	3	0.1	1	11	0.1	1	11
	MAJOR RECONSTRUCTIVE PROC	0.4	1	11	2.9	4	48	3.3	4	51
	SKIN-GRAFTING, NONBURN (ALL)	0.4	1	7	3.8	5	110	4.2	5	110
	COMPOSITE TISSUE TRANSFER	0.7	2	21	1.7	2	19	2.4	3	31
	BURN DEBRIDEMENT AND/OR GRAFTING	0.3	1	27	7.4	14	161	7.7	14	174
	REDUCTION AND STABILIZATION OF MAXILLOFACIAL FRACTURES	0.0	0	4	0.4	2	20	0.4	2	20
	OTHER MAJOR PLASTIC	0.6	2	22	4.2	5	52	4.8	6	53
	Subtotal - PLASTIC	2.4	4	40	20.5	20	224	23.0	22	242

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RRC Area	RRC Procedure									
NERVOUS SYSTEM	CRANIAL DECOMPRESSION/EXPLORATION	0.0	0	0	0.0	0	6	0.0	0	6
	OTHER MAJOR NERVOUS SYSTEM	0.0	0	1	0.0	0	1	0.0	0	1
	Subtotal - NERVOUS SYSTEM	0.0	0	1	0.0	0	6	0.0	0	6
ORTHOPAEDICS	OPEN OPERATIONS ON BONE OR JOINTS	0.0	0	0	0.0	0	1	0.0	0	1
	ARTHROSCOPY	0.0	0	4	0.1	1	20	0.1	1	20
	OPEN REDUCTION OF OPEN/CLOSED FRACTURE	0.0	0	5	0.2	1	27	0.2	1	27
	CLOSED REDUCTION OF FRACTURE	0.0	0	6	0.4	2	28	0.4	2	28
	OTHER MAJOR ORTHOPAEDICS	0.1	0	7	0.7	2	31	0.7	2	36
	Subtotal - ORTHOPAEDICS	0.1	1	15	1.4	4	50	1.5	4	56
ORGAN TRANSPLANT	LIVER TRANSPLANT	0.2	1	13	1.1	2	27	1.3	3	27
	RENAL TRANSPLANT	0.8	3	48	5.3	6	42	6.2	7	65
	PANCREAS TRANSPLANT	0.0	0	4	0.2	1	6	0.2	1	6
	DONOR NEPHRECTOMY	0.2	1	15	1.2	2	29	1.4	3	44
	DONOR HEPATECTOMY	0.1	1	8	1.1	2	24	1.2	2	26
	EN BLOC ABD ORGAN RETRIEVAL	0.0	0	3	0.1	0	5	0.2	1	8
	OTHER MAJOR ORGAN TRANSPLANT	0.0	0	3	0.3	1	16	0.4	1	16
	Subtotal - ORGAN TRANSPLANT	1.4	4	48	9.4	10	83	10.8	12	105

Statistics are based upon primary credit procedures logged in the indicated roles, except Surgical Critical Care Patient Management, which includes all procedures.

SURGERY: NATIONAL RESIDENT REPORT (Main Table)
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Number of Programs in the Nation: 248 Number of Residents in the Nation: 1,172

		Surgeon Chief			Surgeon Junior			Surgeon Total		
		Natl Res AVE	Natl Res STD	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MAX
RRC Area	RRC Procedure									
TRAUMA	DRAINAGE SUB/EXTRADURAL HEMATOMA	0.0	0	3	0.2	1	14	0.2	1	14
	ESOPH TRAUMA-CLOSURE/RESECT/EXCLUSION	0.0	0	2	0.1	0	2	0.1	0	2
	GASTRIC TRAUMA-CLOSURE/RESECT/EXCLUSION	0.1	0	6	0.3	1	6	0.4	1	6
	DUODENAL TRAUMA-CLOSURE/RESECT/EXCLUSION	0.0	0	2	0.0	0	2	0.1	0	3
	SM BOWEL TRAUMA-CLOSURE/RESECT/EXCLUSION	0.5	1	13	1.1	2	19	1.6	2	27
	COLON TRAUMA-CLOSURE/RESECT/EXCLUSION	0.5	1	7	1.1	1	10	1.6	2	12
	NECK EXPLOR FOR TRAUMA	0.3	1	5	0.9	1	8	1.2	1	9
	EXPLOR THORACOTOMY - OPEN	0.6	1	10	1.6	2	20	2.2	2	20
	EXPLOR THORACOTOMY - THORACOSCOPIC	0.1	0	5	0.2	1	14	0.3	1	14
	EXPLOR LAPAROTOMY - OPEN	2.0	3	31	6.4	6	50	8.4	7	66
	EXPLOR LAPAROTOMY - LAPAROSCOPIC	0.0	0	1	0.0	0	2	0.0	0	3
	SPLENECTOMY/SPLENORRHAPHY-OPEN	0.6	1	10	1.5	2	13	2.0	2	16
	REPAIR/DRAINAGE HEPATIC LACS-OPEN	0.4	1	9	0.8	1	10	1.2	2	11
	HEPATIC RESECTION FOR INJURY	0.1	0	3	0.1	0	3	0.2	0	3
	DRAINAGE PANCREATIC INJURY	0.0	0	2	0.0	0	3	0.1	0	5
	RESECTION OF PANCREATIC INJURY	0.1	0	3	0.1	0	5	0.2	0	5
	CLOSED REDUCT OF FRACTURE	0.0	0	1	0.1	1	28	0.1	1	28
	DEBRIDE/SUTURE MAJOR WOUNDS	0.4	1	16	2.0	3	52	2.3	4	52
	REPAIR BLADDER INJURY	0.1	0	3	0.3	1	4	0.4	1	6
	REPAIR URETERAL INJURY	0.0	0	1	0.0	0	1	0.0	0	1
	REPAIR/RESECT FOR KIDNEY TRAUMA	0.1	0	4	0.2	1	4	0.3	1	5
	REP THORAC AORTA, INNOMINATE, SUBCLAVIAN	0.0	0	2	0.0	0	1	0.1	0	2
	REPAIR OF CAROTID OR OTHER MAJOR NECK VESSELS	0.0	0	1	0.0	0	2	0.0	0	3
	REPAIR OF ABDOMINAL AORTA OR VENA CAVA	0.1	0	3	0.1	0	2	0.1	0	4
	REP PERIPHERAL VESSELS	0.1	0	5	0.4	1	9	0.5	1	13
	FASCIOTOMY FOR INJURY	0.1	0	4	0.5	1	7	0.7	1	7
	REPAIR OTHER MAJOR VASC INJURY (TR1)	0.1	0	3	0.1	0	4	0.2	1	5
	MANAGEMENT CARDIAC INJURY	0.1	0	2	0.2	1	4	0.3	1	5
	OTHER MAJOR TRAUMA	0.7	1	15	2.3	2	22	3.0	3	23
	Subtotal - TRAUMA	7.1	8	66	20.6	14	130	27.7	17	162

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SURGERY: NATIONAL RESIDENT REPORT (Main Table)
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[PAGE 17] Number of Programs in the Nation: 248 Number of Residents in the Nation: 1,172

		Surgeon Chief			Surgeon Junior			Surgeon Total		
		Natl Res AVE	Natl Res STD	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MAX
RRC Area	RRC Procedure									
ENDOSCOPY (NOT FOR MAJOR CREDIT)	LARYNGOSCOPY	0.0	0	6	0.5	2	31	0.5	2	31
	BRONCHOSCOPY	0.7	2	35	6.9	9	91	7.7	10	94
	SCLEROTHERAPY/BANDING ESOPH VARICES	0.0	0	1	0.0	0	4	0.0	0	4
	ESOPHAGO-GASTRO-DUODENOSCOPY	8.6	11	91	32.2	19	168	40.7	20	185
	PERCUTAN ENDO GASTROSTOMY (PEG)	2.0	3	33	9.4	9	75	11.5	11	90
	ERCP W/WO PAPILOTOMY	0.1	1	34	0.4	2	26	0.5	3	60
	SIGMOIDOSCOPY, RIGID/FLEXIBLE	0.7	2	22	2.9	4	82	3.6	5	84
	FLEXIBLE COLONOSCOPY W/WO BX/POLYPECT	17.6	22	245	52.7	34	277	70.3	33	361
	CHOLEDOCHOSCOPY	0.0	0	1	0.0	0	2	0.0	0	2
	CYSTO/URETHROSCOPY	0.0	0	3	1.0	6	102	1.0	6	102
	OTHER ENDOSCOPY	0.2	1	16	1.2	2	18	1.5	2	19
		Subtotal - ENDOSCOPY (NOT MAJOR CRED)	30.0	30	304	107.3	53	465	137.2	52
MISCELLANEOUS (NOT FOR MAJOR CREDIT)	REMOVE SKIN MOLES, SMALL TUMORS, ETC	0.5	1	34	6.1	8	79	6.6	9	113
	REMOVAL SUBCUT SMALL TUMORS, CYSTS, FBs	0.3	1	9	2.9	3	30	3.2	3	30
	REPAIR MINOR WOUNDS AND GRAFTS	0.1	0	10	1.1	3	32	1.2	3	33
	BANDING/INCISION THROMBOSED HEMORRHOID	0.1	0	4	0.3	1	10	0.4	1	10
	ENDORECTAL ULTRASOUND [MISCELLANEOUS]	0.0	0	1	0.0	0	4	0.0	0	4
	OTHER PROCEDURES	5.5	8	83	61.1	63	1,136	66.6	67	1,219
		Subtotal - MISC (NOT MAJOR CRED)	6.4	9	83	71.6	67	1,144	78.0	71

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SURGERY: NATIONAL RESIDENT REPORT (Main Table)
Reporting Period: Total Experience of Residents Completing Programs in 2015-2016
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Report Date: September 20, 2016

[PAGE 18] Number of Programs in the Nation: 248 Number of Residents in the Nation: 1,172

		Surgeon Chief			Surgeon Junior			Surgeon Total		
		Natl Res AVE	Natl Res STD	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MAX
RRC Area	RRC Procedure									
PATIENT CARE (NOT FOR MAJOR CREDIT)	NON-OPERATIVE TRAUMA	8.4	18	222	38.5	46	461	46.9	50	561
	Subtotal - PATIENT CARE (NOT MAJOR CRED)	8.4	18	222	38.5	46	461	46.9	50	561
SURGICAL CRITICAL CARE PAT MGMNT	VENTILATORY MANAGEMENT	3.4	6	76	17.1	30	493	20.5	30	493
	BLEED (NON-TRAUMA) > 3 UNITS	1.4	2	22	3.8	5	47	5.2	5	47
	HEMODYNAMIC INSTABILITY	2.6	4	26	9.2	11	106	11.8	11	106
	ORGAN DYSFUNCTION	2.6	4	36	9.9	16	197	12.5	16	197
	DYSRHYTHMIAS	1.3	2	15	4.7	8	138	6.0	7	138
	INVASIVE LINE MANAGE/MONITORING	3.0	5	44	14.6	28	565	17.6	28	565
	PARENTERAL/ENTERAL NUTRITION	2.3	4	50	10.8	27	586	13.1	26	586
	Subtotal - CRITCARE PAT MAN (NOT MAJ CRED)	16.6	23	200	70.1	113	2,003	86.6	110	2,003
CRITICAL CARE (NOT FOR MAJOR CREDIT)	CRITICAL CARE OTHER	0.1	1	20	1.8	4	49	1.9	4	49
OPHTHALMOLOGY (NOT FOR MAJOR CREDIT)	OPHTHALMOLOGY	0.0	0	1	0.1	0	4	0.1	0	4

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SURGERY: NATIONAL RESIDENT REPORT (Main Table)
Reporting Period: Total Experience of Residents Completing Programs in 2015-2016
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Number of Programs in the Nation: 248 Number of Residents in the Nation: 1,172

		Surgeon Chief			Surgeon Junior			Surgeon Total		
		Natl Res AVE	Natl Res STD	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MAX
RRC Area	RRC Procedure									
OTOLARYNGOLOGY (NOT FOR MAJOR CREDIT)	OTOLARYNGOLOGY	0.0	0	1	0.4	1	7	0.4	1	7
UROLOGY (NOT FOR MAJOR CREDIT)	UROLOGY	0.1	0	7	3.5	5	47	3.6	5	54
NEUROSURGERY (NOT FOR MAJOR CREDIT)	NEUROSURGERY	0.1	0	6	1.0	2	20	1.1	2	20
GYNECOLOGY (NOT FOR MAJOR CREDIT)	GYNECOLOGY	0.0	0	3	0.5	2	76	0.6	2	76
RADIOLOGY (NOT FOR MAJOR CREDIT)	RADIOLOGY	0.1	1	20	1.4	3	44	1.5	3	54
ULTRASOUND (NOT FOR MAJOR CREDIT)	MISCELANEOUS ULTRASOUND	0.0	0	2	0.1	1	11	0.1	1	11
TRAUMA (NOT FOR MAJOR CREDIT)	OTHER TRAUMA	0.0	0	1	0.1	0	3	0.1	0	3
TOTAL FOR CREDIT	Major Operations	246.3	69	761	740.5	143	1,418	986.8	159	1,791
Non-Tracked Codes	Non-Tracked	3.9	7	76	14.5	12	98	18.4	16	123

Statistics are based upon primary credit procedures logged in the indicated roles, except Surgical Critical Care Patient Management, which includes all procedures.

SURGERY: NATIONAL PROGRAM STATISTICS REPORT (Benchmarks Table)

Reporting Period: Total Experience of Residents Completing Programs in 2015-2016

Residency Review Committee for Surgery

Report Date: September 20, 2016

[PAGE 1] Number of Programs in the Nation: 248 Number of Residents in the Nation: 1,172																									
	Surgeon Chief					Surgeon Junior					Teach Assist					First Assist					Surgeon Total				
	Percentiles					Percentiles					Percentiles					Percentiles					Percentiles				
	10	30	50	70	90	10	30	50	70	90	10	30	50	70	90	10	30	50	70	90	10	30	50	70	90
SKIN/SOFT TIS	4	7	9	12	17	29	37	44	52	61	1	2	3	5	7	0	0	1	2	3	36	47	54	62	75
HEAD/NECK	1	2	3	4	8	9	14	18	23	32	0	1	1	2	3	0	0	0	1	2	11	17	22	28	37
BREAST	1	3	5	10	19	31	44	54	64	81	0	0	1	1	3	0	0	1	3	9	38	49	61	74	96
ALIM TR-ESOPHAGUS	1	2	4	6	11	2	3	5	7	12	0	0	0	0	0	0	0	0	1	3	4	7	9	12	21
ALIM TR-STOMACH	4	8	11	15	28	10	15	19	26	42	0	1	1	1	2	0	1	1	3	7	17	26	31	42	59
ALIM TR-SMALL INT	8	10	12	15	19	14	19	21	26	33	0	1	2	2	3	0	0	1	1	3	23	29	35	39	49
ALIM TR-LARGE INT	25	33	41	48	61	63	80	94	108	136	4	6	8	11	16	0	2	4	7	13	98	120	134	154	183
ALIM TR-ANO-RECTAL	1	4	6	9	14	13	18	22	27	37	0	1	1	2	3	0	0	0	1	3	17	23	29	36	50
ABDOMEN-GENERAL	7	10	12	16	21	15	21	26	29	37	1	1	2	2	4	0	1	1	2	4	24	32	38	46	58
ABDOMEN-LIVER	1	2	4	6	9	2	3	4	6	9	0	0	0	0	0	0	0	0	0	1	5	7	8	11	16
ABDOMEN-BILIARY	17	24	30	37	53	53	74	88	105	132	4	6	8	11	17	0	1	3	6	17	80	103	119	142	177
ABDOMEN-PANCREAS	1	3	5	7	13	1	2	3	4	8	0	0	0	0	0	0	0	0	1	2	4	6	8	11	19
ABDOMEN-SPLEEN	0	1	1	2	2	0	1	1	2	3	0	0	0	0	0	0	0	0	0	1	1	2	3	3	4
ABDOMEN-HERNIA	17	25	31	38	50	65	80	92	108	132	3	4	6	8	12	0	1	3	6	13	90	110	124	142	167
VASC - ANEURYSM REPAIR	0	0	1	2	5	1	3	4	6	9	0	0	0	0	0	0	0	0	1	2	2	4	5	8	12
VASC - CEREBROVASCULAR	0	0	2	4	10	2	4	7	10	16	0	0	0	0	0	0	0	0	1	3	3	6	10	14	21
VASC - PERIPH OBSTRUCTIVE	0	1	3	7	14	6	10	13	18	26	0	0	0	0	1	0	0	1	1	3	9	14	18	24	36
VASC - ABDOMINAL OBSTRUCTIVE	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
VASC - EXTRA-ANATOMIC	0	0	0	1	2	0	1	1	2	3	0	0	0	0	0	0	0	0	0	0	0	1	2	2	4
VASC - THROMBOLYSIS/MECH THROMB	0	0	0	0	1	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2
VASC - MISC ENDOVASC THERAP	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
VASC - TRAUMA	0	0	0	1	2	1	1	2	2	4	0	0	0	0	0	0	0	0	0	0	1	2	2	3	5
VASC - VENOUS	0	0	1	1	4	2	4	7	10	17	0	0	0	0	1	0	0	0	0	1	2	5	8	12	21
VASC - MISCELLANEOUS VASCULAR	0	1	1	1	3	2	3	4	6	8	0	0	0	0	0	0	0	0	1	3	4	5	7	10	
VASC - VASCULAR ACCESS	0	1	3	6	13	12	19	25	32	48	0	0	0	0	1	0	0	0	1	4	15	22	29	39	56
ENDOCRINE	3	5	8	13	21	6	11	17	24	38	0	0	0	1	1	0	0	1	2	4	14	19	27	37	52
HAND	0	0	0	0	1	0	1	1	2	7	0	0	0	0	0	0	0	0	0	1	0	1	2	2	8
THORACIC	1	2	5	8	21	17	23	29	36	51	0	0	0	0	1	0	1	1	3	8	21	28	34	44	65
PEDIATRIC	0	0	1	2	6	13	18	22	29	38	0	0	0	0	1	0	0	0	1	4	15	20	24	31	42
GENITO-URINARY	0	0	1	1	2	1	2	3	4	7	0	0	0	0	0	0	0	0	1	2	2	3	3	5	9

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SURGERY: NATIONAL PROGRAM STATISTICS REPORT (Benchmarks Table)

Reporting Period: Total Experience of Residents Completing Programs in 2015-2016

Residency Review Committee for Surgery

Report Date: September 20, 2016

[PAGE 2] Number of Programs in the Nation: 248 Number of Residents in the Nation: 1,172																									
	Surgeon Chief					Surgeon Junior					Teach Assist					First Assist					Surgeon Total				
	Percentiles					Percentiles					Percentiles					Percentiles					Percentiles				
	10	30	50	70	90	10	30	50	70	90	10	30	50	70	90	10	30	50	70	90	10	30	50	70	90
GYNECOLOGY	0	0	0	1	1	0	1	1	2	5	0	0	0	0	0	0	0	0	0	1	0	1	1	2	5
PLASTIC	1	1	2	3	5	8	12	16	22	37	0	0	0	1	2	0	0	0	1	3	10	14	18	24	42
NERVOUS SYSTEM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORTHOPAEDICS	0	0	0	0	0	0	0	1	1	3	0	0	0	0	0	0	0	0	0	1	0	0	1	1	4
ORGAN TRANSPLANT	0	0	0	1	4	2	4	6	10	19	0	0	0	0	0	0	0	0	1	3	2	4	8	12	21
TRAUMA	1	3	5	8	17	10	14	18	23	36	0	1	1	2	4	0	0	1	1	3	14	19	24	30	49
ENDOSCOPY (NOT FOR MAJOR CREDIT)	4	15	25	40	65	52	86	107	123	168	0	0	1	2	3	0	0	1	2	5	100	113	127	146	196
MISCELLANEOUS (NOT FOR MAJOR CREDIT)	1	3	5	7	14	31	46	64	83	121	0	1	2	3	6	0	1	1	3	8	34	51	69	92	131
PATIENT CARE (NOT FOR MAJOR CREDIT)	0	1	4	9	20	13	23	29	41	74	0	0	0	0	1	0	0	0	0	0	23	27	35	46	92
SURGICAL CRITICAL CARE PAT MGMNT	1	7	14	21	39	19	35	51	77	132	0	0	0	0	1	0	0	0	0	0	37	52	73	92	141
TOTAL FOR CREDIT	189	215	238	274	319	614	682	730	782	889	30	35	40	47	62	4	14	29	55	112	846	922	982	1,042	1,149

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