



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.

The information on the following pages has been created using specialty specific categories. These data should not be used for comparison across specialties as the definition of the categories will vary among the specialties. In addition, care should be exercised when comparing data from year to year as the definition of certain categories may be revised from time to time.

SURGERY: NATIONAL RESIDENT REPORT (Main Table)
Reporting Period: Total Experience of Residents Completing Programs in 2017-2018
Residency Review Committee for Surgery
Report Date: October 3, 2018

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Number of Programs in the Nation: 251 Number of Residents in the Nation: 1,198

		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	0.6	1	10	2.1	2	16	2.7	3	19
	MAJ EXC & REP/GRAFT FOR SKIN NEOPLASM	2.3	3	26	10.2	8	48	12.6	9	55
	SENTINEL LYMPH NODE BIOPSY FOR MELANOMA	0.9	1	10	2.8	3	18	3.6	3	21
	RAD EXCIS SOFT TIS TUMOR	0.7	1	9	2.1	2	20	2.8	3	21
	PILONIDAL CYSTECTOMY	0.8	1	11	4.6	3	24	5.5	4	27
	OTHER MAJOR SKIN/SOFT TIS	6.9	6	49	30.1	17	127	37.0	20	135
	Subtotal - SKIN/SOFT TIS	12.3	9	60	51.9	21	163	64.2	24	175
HEAD/NECK	RESECT LESION-LIPS	0.0	0	1	0.1	0	2	0.1	0	2
	RESECT LESION-TONGUE	0.0	0	2	0.1	0	4	0.2	1	4
	RESECT LESION-FLOOR MOUTH/BUCCAL MUC	0.0	0	9	0.1	0	4	0.1	0	9
	PAROTIDECTOMY	0.2	1	7	0.5	1	9	0.7	1	12
	RESECT OTHER SALIVARY GLND	0.0	0	3	0.2	0	5	0.2	1	5
	RADICAL NECK DISSECT	0.4	1	12	1.0	2	19	1.4	2	21
	RESECT MANDIBLE/MAXILLA	0.0	0	1	0.0	0	2	0.0	0	2
	TRACHEOSTOMY	2.3	3	31	11.8	9	83	14.1	10	90
	OTHER MAJOR HEAD/NECK	1.0	2	11	5.5	5	36	6.5	5	38
	Subtotal - HEAD/NECK	3.9	4	43	19.2	12	86	23.1	13	97
BREAST	BREAST BIOPSY	1.4	3	35	12.2	12	114	13.6	13	114
	SENTINEL LYMPH NODE BIOPSY (BREAST)	1.0	2	22	3.3	4	39	4.2	5	40
	SIMPLE MASTECTOMY	2.1	3	27	9.4	6	41	11.5	7	56
	MOD RAD MASTECTOMY	0.8	1	9	3.5	3	28	4.3	4	28
	RADICAL MASTECTOMY	0.1	0	4	0.1	0	5	0.2	1	5
	EXC BX/QUADRANT EXC W/WO AX SAMPLING	3.9	5	49	19.8	13	103	23.8	14	103
	BREAST RECONSTRUCTION	0.7	3	49	4.5	7	67	5.1	9	116
	OTHER MAJOR BREAST	0.5	1	13	2.2	3	22	2.7	3	33
	Subtotal - BREAST	10.4	12	70	55.0	25	175	65.4	27	221

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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-ESOPHAGUS	ESOPHAGECTOMY	0.5	1	8	0.6	1	8	1.1	2	12	
	ESOPHAGO-GASTRECTOMY	0.4	1	6	0.6	1	11	1.0	2	13	
	ANTIREFLUX PROC-OPEN	0.1	0	6	0.4	1	13	0.5	1	13	
	ANTIREFLUX PROC-LAPAROSCOPIC	4.7	5	34	4.6	4	27	9.3	7	44	
	ESOPHAGEAL BYPASS PROCEDURE	0.0	0	2	0.0	0	6	0.1	0	7	
	REPAIR OF PERF-ESOPH DISEASE	0.0	0	3	0.0	0	2	0.0	0	3	
	OTHER OPS FOR ESOPHAGEAL STENOSIS	0.0	0	2	0.1	0	2	0.1	0	2	
	ESOPHAGEAL DIVERTICULECTOMY	0.1	0	4	0.1	0	3	0.2	0	4	
	OTHER MAJOR ESOPHAGUS	0.2	1	8	0.3	1	4	0.5	1	9	
	Subtotal - ALIM TR-ESOPHAGUS		6.1	6	48	6.7	5	42	12.8	8	61
ALIM TR-STOMACH	GASTROSTOMY (ALL TYPES)-OPEN	1.2	2	32	3.0	3	27	4.2	4	37	
	GASTROSTOMY (ALL TYPES)-LAPAROSCOPIC	0.8	1	14	3.1	4	24	3.9	4	27	
	GASTRIC RESECT, PARTIAL-OPEN	1.7	2	15	1.6	2	31	3.4	3	37	
	GASTRIC RESECT, PARTIAL-LAPAROSCOPIC	7.2	11	116	8.5	13	103	15.8	19	219	
	GASTRIC RESECT, TOTAL	0.6	1	18	0.4	1	7	0.9	1	25	
	VAGOTOMY, TRUN/SEL W/DRAINAGE/RES-OPEN	0.1	0	4	0.1	0	3	0.2	0	5	
	VAGOTOMY, TRUN/SEL W/DRAINAGE/RES-LAPAR	0.0	0	1	0.0	0	1	0.0	0	1	
	REPAIR PERF-GASTRIC DIS	1.1	1	11	1.6	2	9	2.7	2	16	
	PROX GAST VAGOTOMY, HIGHLY SELECT-OPEN	0.0	0	1	0.0	0	1	0.0	0	1	
	PROX GAST VAGOTOMY, HIGHLY SELECT-LAPAR	0.0	0	1	0.0	0	2	0.0	0	2	
	GASTRIC REDUC FOR MORBID OBESITY (ALL)	2.2	7	95	3.9	11	150	6.0	15	186	
	GASTRIC REDUC FOR MORBID OBESITY-LAP	0.7	1	14	1.7	5	65	2.3	5	70	
	OTHER MAJOR STOMACH [no open/close dist]	1.2	2	19	2.4	2	28	3.6	3	28	
	Subtotal - ALIM TR-STOMACH		16.8	14	130	26.3	22	256	43.1	29	293

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RRC Area	RRC Procedure										
ALIM TR-SMALL INT	ENTEROLYSIS - OPEN	1.9	3	42	2.6	3	31	4.5	5	51	
	ENTEROLYSIS-LAPAROSCOPIC	2.2	4	50	2.3	3	47	4.5	6	60	
	ENTERECTOMY - OPEN	7.1	4	43	10.8	6	41	17.9	8	64	
	ENTERECTOMY-LAPAROSCOPIC	0.6	1	7	0.8	1	11	1.4	2	11	
	REPAIR PERF-DUODENAL DIS	0.2	0	5	0.2	0	5	0.3	1	6	
	REPAIR PERF-SMALL BOWEL DIS	1.0	1	10	1.7	2	11	2.7	2	12	
	ILEOSTOMY (NOT ASSOC W/COLECTOMY)-OPEN	0.8	1	10	1.6	2	11	2.4	2	14	
	ILEOSTOMY (NOT ASSOC W/COLECTOMY)-LAP	0.8	1	9	1.2	2	12	1.9	2	19	
	DIVERTICULECTOMY	0.1	0	3	0.3	1	4	0.4	1	4	
	OTHER MAJOR SMALL INT	1.1	1	12	1.9	2	22	3.0	3	26	
	Subtotal - ALIM TR-SMALL INT		15.7	9	139	23.3	10	69	39.0	14	186
ALIM TR-LARGE INT	APPENDECTOMY-OPEN	1.1	2	13	4.5	4	31	5.6	5	32	
	APPENDECTOMY-LAPAROSCOPIC	12.8	10	86	50.3	21	177	63.1	24	193	
	COLOSTOMY (ALL TYPES)	2.6	2	15	4.4	3	24	7.0	4	28	
	COLOSTOMY CLOSURE	1.8	2	17	3.0	3	22	4.7	4	29	
	COLECTOMY/PROCTECTOMY-OPEN	13.9	7	63	19.5	10	67	33.3	13	110	
	COLECTOMY/PROCTECTOMY-LAPAROSCOPIC	12.3	9	59	12.2	9	72	24.5	15	102	
	COLECTOMY W/ ILEOANAL PULL-THRU	0.2	1	5	0.2	1	7	0.4	1	8	
	COLECTOMY W/ CONTINENT RECONSTRUCT	0.1	0	5	0.2	1	6	0.3	1	10	
	ABDOMINO-PERINEAL RESECTION	1.3	2	13	1.2	2	14	2.6	3	19	
	TRANSANAL RECTAL TUMOR EXCISION	0.4	1	10	0.7	1	16	1.0	2	16	
	REPAIR PERF-COLON DIS	0.4	1	13	0.5	1	8	0.9	1	16	
	OTHER MAJOR LARGE INT	0.4	1	8	0.7	1	7	1.0	1	9	
	Subtotal - ALIM TR-LARGE INT		47.2	19	162	97.3	31	252	144.5	37	306

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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)	2.6	3	28	8.0	5	47	10.6	6	49
	SPHINCTEROTOMY/SPHINCTEROPLASTY	0.3	1	8	1.1	2	17	1.4	2	17
	DRAINAGE PROC FOR ANORECTAL ABSCESS	2.1	2	22	7.0	5	35	9.0	5	39
	REPAIR ANORECTAL FISTULA	0.4	1	15	0.9	1	11	1.3	2	20
	OTHER OPERATIONS FOR ANAL INCONTINENCE	0.0	0	2	0.1	0	9	0.1	0	9
	REPAIR RECTAL PROLAPSE	0.5	1	9	0.6	1	12	1.1	1	12
	OTHER MAJOR ANO-RECTAL	3.6	4	28	8.5	6	39	12.1	8	57
	Subtotal - ALIM TR-ANO-RECTAL	9.5	8	50	26.2	13	103	35.6	15	130
ABDOMEN-GENERAL	EXP LAP EXCLUSIVE OF TRAUMA-OPEN	8.2	8	146	16.7	11	108	24.8	16	216
	EXP LAP EXCLUSIVE OF TRAUMA-LAPAR	5.4	5	35	11.3	9	92	16.7	12	126
	DRAINAGE INTRA-ABDOMINAL ABSCESS	0.2	1	6	0.5	1	12	0.7	1	15
	MAJ RETROPERIT/PELVIC NODE DISSEC-OPEN	0.1	0	5	0.2	0	5	0.3	1	7
	OTHER MAJOR AB-GENERAL-LAP COMPLEX	0.5	1	20	0.6	1	8	1.0	2	21
	OTHER MAJOR AB-GENERAL	1.7	2	28	2.6	3	31	4.3	4	49
	Subtotal - ABDOMEN-GENERAL	16.0	11	176	31.8	17	124	47.8	23	296
ABDOMEN-LIVER	LOBECTOMY OR SEGMENTECTOMY	3.0	3	23	2.6	3	48	5.6	5	54
	WEDGE RESECTION/OPEN BIOPSY	0.8	1	9	1.1	1	10	1.9	2	11
	DRAINAGE LIVER ABSCESS	0.2	1	3	0.3	1	5	0.5	1	7
	OTHER MAJOR LIVER	1.0	2	23	1.0	2	12	2.0	2	23
	Subtotal - ABDOMEN-LIVER	4.9	4	34	5.0	4	51	9.9	6	58

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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									
ABDOMEN-BILIARY	CHOLECYSTOSTOMY	0.1	0	5	0.1	0	6	0.3	1	11
	CHOLECYSTECTOMY W/WO OPER GRAMS-OPEN	2.8	3	36	5.6	4	30	8.4	6	48
	CHOLECYSTECTOMY W/WO OPER GRAMS-LAPAR	33.3	17	149	84.1	33	254	117.4	39	299
	COMMON BILE DUCT EXPLOR-OPEN	0.3	1	5	0.4	1	6	0.7	1	7
	COMMON BILE DUCT EXPLOR-LAPAR	0.3	1	14	0.4	1	9	0.7	2	17
	CHOLEDOCHOENTERIC ANASTOMOSIS	0.8	1	11	0.7	1	11	1.5	2	17
	SPHINCTEROPLASTY (ODDI)	0.0	0	4	0.0	0	4	0.1	0	4
	OTHER MAJOR BILIARY	0.2	1	13	0.2	1	9	0.4	1	22
	Subtotal - ABDOMEN-BILIARY	37.8	18	157	91.7	34	263	129.5	39	311
ABDOMEN-PANCREAS	DRAINAGE PANCREATIC ABSCESS	0.0	0	4	0.0	0	3	0.1	0	5
	RESECTION FOR PANCREATIC NECROSIS	0.3	1	6	0.4	1	8	0.7	1	9
	PANC RESECTION, DISTAL	1.7	2	11	1.1	1	10	2.8	3	17
	PANC RESECTION, WHIPPLE	3.2	4	26	1.6	2	16	4.8	5	30
	PANC RESECTION, TOTAL	0.2	1	6	0.1	0	7	0.3	1	7
	DRAINAGE PSEUDOCYST (ALL TYPES)	0.2	0	4	0.2	0	4	0.3	1	5
	PANCREATICOJEJUNOSTOMY	0.1	0	4	0.1	0	3	0.2	1	4
	OTHER MAJOR PANCREAS	0.3	1	5	0.3	1	4	0.6	1	6
	Subtotal - ABDOMEN-PANCREAS	6.1	6	36	3.7	4	24	9.8	7	50
ABDOMEN-SPLEEN	SPLENECTOMY FOR DISEASE-OPEN	0.6	1	6	0.8	1	12	1.4	2	12
	SPLENECTOMY FOR DISEASE-LAPAR	0.6	1	6	0.7	1	6	1.2	1	9
	Subtotal - ABDOMEN-SPLEEN	1.2	1	9	1.5	2	13	2.7	2	15
ABDOMEN-HERNIA	INGUINAL-FEMORAL (ALL)-OPEN	10.7	8	71	36.7	15	135	47.4	17	162
	INGUINAL-FEMORAL (ALL)-LAPAROS	14.2	11	88	23.3	14	137	37.5	20	171
	VENTRAL	12.9	8	64	35.8	14	116	48.7	17	144
	OTHER MAJOR HERNIAS	0.1	0	3	0.3	1	4	0.5	1	5
	Subtotal - ABDOMEN-HERNIA	37.9	19	146	96.2	30	277	134.1	35	337

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RRC Area	RRC Procedure										
VASC - ANEURYSM REPAIR	OPEN REPAIR INFRARENAL A-I ANEURYSM, RUPTURED	0.1	0	3	0.2	0	4	0.2	1	5	
	OPEN REPAIR INFRARENAL A-I ANEURYSM, ELECTIVE	0.3	1	8	0.5	1	12	0.8	1	12	
	ENDOVASCULAR REPAIR ABD AORTIC/ILIAC ANEURYSM	0.7	2	22	1.8	3	20	2.6	4	37	
	ENDOVASCULAR REPAIR OF ILIAC ARTERY	0.0	0	2	0.1	0	3	0.1	0	3	
	REPAIR SUPRARENAL AORTIC ANEURYSM	0.0	0	2	0.1	0	3	0.1	0	3	
	REPAIR THORACIC AORTIC ANEURYSM	0.0	0	2	0.0	0	2	0.0	0	3	
	ENDOVASCULAR REPAIR THORACIC AORTIC ANEURYSM	0.2	1	10	0.4	1	7	0.6	1	12	
	REPAIR THORACOABDOMINAL AORTIC ANEURYSM	0.0	0	2	0.1	0	4	0.1	0	4	
	REPAIR FEMORAL ANEURYSM	0.2	0	4	0.5	1	10	0.7	1	11	
	REPAIR POPLITEAL ANEURYSM	0.1	0	3	0.2	0	3	0.3	1	5	
	REPAIR OTHER ANEURYSM - DEF CAT CREDIT	0.0	0	5	0.1	0	2	0.1	0	7	
	Subtotal - VASC-ANEURYSM REPAIR		1.6	3	37	3.9	4	33	5.6	6	66
	VASC - CEREBROVASCULAR	CAROTID ENDARTERECTOMY	2.5	4	34	5.9	6	42	8.3	8	59
REOPERATIVE CAROTID SURGERY		0.0	0	4	0.0	0	2	0.1	0	4	
TRANSCATHETER PLACEMENT CAROTID ARTERY STENT		0.1	1	11	0.2	1	6	0.2	1	13	
EXCISE CAROTID BODY TUMOR		0.0	0	3	0.1	0	4	0.1	0	5	
VERTEBRAL BYPASS OR REIMPLANTATION /TRANSPOSITION		0.0	0	1	0.0	0	1	0.0	0	1	
DIRECT REPAIR AORTIC ARCH BRANCHES		0.0	0	1	0.0	0	2	0.0	0	2	
TRANSLUMINAL BALLOON ANGIOPLASTY - BRACHIOCEPHALIC		0.0	0	2	0.2	1	14	0.2	1	14	
TRANSCATHETER PLACE OF INTRAVASC STENT, NONCOR.		0.0	0	2	0.0	0	2	0.0	0	3	
CERVICAL BYPASS AORTIC ARCH BRANCHES		0.2	1	5	0.3	1	9	0.4	1	9	
EMBOLECTOMY/THROMBECTOMY BY NECK OR THORACIC INCIS		0.1	0	10	0.1	0	8	0.1	1	18	
OTHER MAJOR CEREBROVASCULAR - DEF CAT CREDIT		0.0	0	2	0.1	0	2	0.1	0	3	
Subtotal - VASC-CEREBROVASCULAR			2.9	5	44	6.8	6	44	9.7	9	69

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RRC Area	RRC Procedure										
VASC - PERIPH OBSTRUCTIVE	AORTO-ILIO/FEMORAL ENDARTERECTOMY	0.1	0	8	0.3	1	6	0.4	1	9	
	AORTO-ILIO/FEMORAL BYPASS, PROSTHETIC	0.3	1	10	0.5	1	10	0.8	1	14	
	AORTO-ILIO/FEMORAL BYPASS, VEIN	0.0	0	2	0.1	0	3	0.1	0	3	
	TRANSLUMINAL BALLOON ANGIOPLASTY AORTA OR ILIAC	0.4	1	14	1.1	2	30	1.5	2	30	
	TRANSLUMINAL ATHERECTOMY AORTA OR ILIAC	0.0	0	4	0.1	0	3	0.1	0	4	
	TRANSCATHETER PLACEMENT INTRAVASC STENT AORTA	0.1	1	13	0.2	1	7	0.3	1	17	
	ILIO-ILIAC/FEMORAL ENDARTERECTOMY	0.1	0	4	0.3	1	24	0.3	1	24	
	EXCISE INFECTED GRAFT, ABDOMEN OR CHEST	0.0	0	1	0.0	0	2	0.0	0	2	
	REPAIR GRAFT-ENTERIC/AORTO-ENTERIC FISTULA	0.0	0	1	0.0	0	1	0.0	0	1	
	FEMORAL, PROFUNDA ENDARTERECTOMY	0.5	1	12	1.3	2	15	1.9	3	18	
	FEMORAL-POPLITEAL BYPASS, VEIN	0.6	1	11	1.7	2	14	2.3	3	19	
	FEMORAL-POPLITEAL BYPASS, PROSTHETIC	0.4	1	11	1.1	2	13	1.5	2	14	
	TRANSLUMINAL BALLOON ANGIOPLASTY FEMORAL-POPLITEAL	0.6	2	21	1.8	3	28	2.4	4	36	
	TRANSLUMINAL ATHERECTOMY FEMORAL-POPLITEAL	0.1	1	11	0.3	1	18	0.4	1	22	
	ENDARTERECTOMY, SUPERFICIAL FEMORAL, POPLITEAL	0.2	1	8	0.7	1	19	0.9	2	19	
	INFRAPOPLITEAL BYPASS, VEIN	0.6	1	12	1.4	2	15	2.0	3	23	
	INFRAPOPLITEAL BYPASS, PROSTHETIC	0.1	0	8	0.3	1	10	0.5	1	14	
	TRANSLUMINAL BALLON ANGIOPLASTY, TIBIOPERONEAL	0.2	1	11	0.6	1	14	0.7	2	20	
	TRANSLUMINAL ATHERECTOMY, TIBIOPERONEAL	0.1	1	18	0.1	1	13	0.2	1	31	
	TRANSCATHETER PLACE OF INTRAVASCULAR STENT NON-COR	0.0	0	3	0.2	1	8	0.2	1	8	
	EXCISE INFECTED GRAFT, PERIPHERAL	0.1	1	9	0.5	1	8	0.7	1	9	
	REVISE ARTERIAL BYPASS	0.1	0	4	0.4	1	10	0.5	1	11	
	ARTERIAL EMBOLECTOMY/THROMBECTOMY BY LEG INCISION	0.4	1	7	1.2	2	10	1.6	2	11	
	GRAFT THROMBECTOMY	0.0	0	3	0.2	1	18	0.2	1	18	
	ADJUNCTIVE VEIN CUFF OR AVF	0.0	0	2	0.0	0	2	0.0	0	2	
	HARVEST ARM VEIN	0.0	0	2	0.1	1	13	0.1	1	13	
	COMPOSITE LEG BYPASS GRAFT	0.0	0	3	0.0	0	2	0.0	0	5	
	RE-DO LOWER EXTREMITY BYPASS	0.0	0	3	0.1	0	2	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	9	89	14.6	11	128	19.9	16	175

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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	5	0.1	0	3	0.2	1	5
	RENAL ENDARTERECTOMY, BYPASS	0.0	0	2	0.0	0	1	0.0	0	2
	EMBOLECTOMY/THROMBECTOMY, RENAL	0.1	0	2	0.1	0	3	0.1	0	3
	TRANSLUMINAL BALLOON ANGIOPLASTY, RENAL	0.0	0	2	0.1	0	4	0.1	0	5
	TRANSLUMINAL ATHERECTOMY, RENAL	0.0	0	2	0.0	0	2	0.0	0	2
	TRANSCATHETER PLACE OF STENT, RENAL ARTERY	0.0	0	6	0.0	0	3	0.1	0	7
	Subtotal - VASC-ABDOMINAL OBSTRUCT		0.2	1	7	0.4	1	6	0.6	1
VASC - UPPER EXTREMITY	OPEN BRACHIAL ARTERY EXPOSURE	0.1	0	3	0.1	0	5	0.2	1	6
	ARM BYPASS,ENDARTERECTOMY,REPAIR	0.2	1	13	0.5	1	9	0.7	1	15
	TRANSCATH PLACE OF INTRAVASC STENT, NON	0.0	0	2	0.1	0	3	0.1	0	5
	THORACIC OUTLET DECOMPRESSION PROC	0.1	0	6	0.2	1	16	0.3	1	22
	EMBOLECTOMY/THROMBECTOMY, BY ARM INCISION	0.2	1	4	0.5	1	8	0.7	1	8
	Subtotal - VASC-UPPER EXTREMITY		0.5	1	13	1.5	2	19	2.0	2
VASC - EXTRA-ANATOMIC	AXILLO-FEMORAL BYPASS	0.2	1	5	0.4	1	7	0.6	1	7
	AXILLO-POPLITEAL-TIBIAL BYPASS	0.0	0	1	0.0	0	2	0.0	0	2
	FEMORAL-FEMORAL BYPASS	0.3	1	6	0.8	1	9	1.1	1	10
	Subtotal - VASC-EXTRA-ANATOMIC		0.5	1	12	1.2	2	10	1.7	2
VASC - THROMBOLYSIS/MECH	TRANSLUMINAL MECHANICAL THROMBECTOMY	0.1	0	6	0.3	1	31	0.4	1	31
	THROMBOLYSIS, TRANSARTERIAL, TRANSCATHETER	0.1	0	7	0.2	1	8	0.3	1	8
	EXCHANGE OF THROMBOLYSIS CATHETER	0.0	0	5	0.1	0	5	0.1	0	5
	Subtotal - VASC-THROMBOLYSIS/MECH THROMB		0.2	1	8	0.6	1	33	0.8	2
VASC - MISC ENDOVASC THERAP	ENDO PLACE OF ILIAC ARTERY OCCLUSION DEV	0.0	0	2	0.0	0	3	0.1	0	3
	TRANSCATHETER THERAPY, INFUSION NON	0.0	0	0	0.0	0	2	0.0	0	2
	TRANSCATHETER RETRIEVAL OF INTRAVASCULAR	0.0	0	0	0.0	0	4	0.0	0	4
	TRANSCATHETER ARTERIAL OCCLUSION OR	0.1	0	3	0.1	0	5	0.2	1	7
	TRANSCATHETER PLACE OF WIRELESS SENSOR	0.0	0	0	0.0	0	1	0.0	0	1
	Subtotal - VASC-MISC ENDOVASC THERA		0.1	0	3	0.2	1	6	0.3	1

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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 - TRAUMA	EXPOSURE OF THORACIC VESSELS	0.0	0	2	0.0	0	2	0.0	0	2
	REPAIR THORACIC VESSELS	0.0	0	2	0.1	0	8	0.1	0	8
	EXPOSURE OF NECK VESSELS	0.0	0	1	0.0	0	2	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	7	0.1	0	8
	REPAIR ABDOMINAL VESSELS	0.1	0	3	0.1	0	8	0.1	1	8
	EXPOSURE OF PERIPHERAL VESSELS	0.1	0	4	0.2	1	5	0.3	1	6
	REPAIR PERIPHERAL VESSELS	0.3	1	9	0.6	1	9	0.9	1	16
	FASCIOTOMY	0.3	1	7	1.0	1	10	1.3	1	16
	Subtotal - VASC-TRAUMA	0.8	1	11	2.1	2	21	2.9	3	23
VASC - VENOUS	PORTAL-SYSTEMIC SHUNT	0.0	0	2	0.0	0	12	0.1	0	12
	OPERATION FOR VARICOSE VEINS	0.3	1	12	2.5	4	28	2.8	4	28
	SCLEROTHERAPY, PERIPH VEIN	0.0	0	10	0.1	1	32	0.1	1	32
	EMBOLECTOMY/THROMBECTOMY, VENOUS	0.0	0	3	0.1	0	4	0.1	0	4
	VENA CAVAL INTERRUPTION/FILTER	0.3	2	45	1.6	4	37	1.9	5	77
	OPERATIONS FOR VENOUS ULCERATION	0.0	0	3	0.0	0	4	0.1	0	7
	VENOUS RECONSTRUCTION	0.1	0	4	0.1	0	8	0.2	1	8
	TRANSLUMINAL BALLOON ANGIOPLASTY, VENOUS	0.1	0	7	1.1	3	43	1.2	3	43
	TRANSLUMINAL MECHANICAL THROMBECTOMY, VENOUS	0.0	0	3	0.1	0	5	0.1	0	5
	THROMBOLYSIS, TRANSVENOUS, TRANSCATHETER	0.0	0	2	0.1	0	4	0.1	0	4
	EXCHANGE OF THROMBOLYSIS CATH	0.0	0	0	0.0	0	1	0.0	0	1
	INTERRUPTION OF IVC	0.2	1	10	1.8	3	25	2.0	3	25
	REPAIR A-V MALFORMATION	0.0	0	1	0.0	0	3	0.0	0	3
	Subtotal - VASC-VENOUS	1.1	3	48	7.6	8	70	8.7	9	84

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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 - ENDOVASCULAR DIAGNOSTIC	ARTERIOGRAPHY	1.2	4	75	4.9	8	91	6.1	10	104
	VENOGRAPHY	0.2	1	19	1.8	7	123	2.1	7	125
	ANGIOSCOPY	0.0	0	2	0.2	1	18	0.2	1	19
	INTRAVASCULAR ULTRASOUND	0.0	0	0	0.0	0	2	0.0	0	2
	Subtotal - VASC-ENDOVASC DIAG	1.4	4	76	6.9	11	130	8.4	13	132
VASC - MISCELLANEOUS VASCULAR	EXPLORATION OF ARTERY	0.4	1	14	1.4	3	32	1.8	3	32
	POSTOPERATIVE EXP. FOR BLEED, THROMB, INFECT	0.2	1	10	0.5	1	12	0.7	1	14
	MAJOR VASCULAR LIGATION	0.5	1	9	2.6	2	20	3.1	3	20
	INJECT PSEUDOANEURYSM	0.0	0	3	0.0	0	4	0.1	0	4
	SPINE EXPOSURE	0.1	1	14	0.3	2	41	0.5	3	52
	SYMPATHECTOMY	0.0	0	1	0.0	0	3	0.0	0	3
	LYMPHATIC PROCEDURE	0.0	0	2	0.0	0	9	0.1	0	9
	OTHER MISCELLANEOUS VASCULAR PROCEDURE	0.1	0	5	0.4	2	43	0.5	2	44
	Subtotal - VASC-MISCELLANEOUS	1.3	2	17	5.4	5	47	6.7	6	58
VASC - VASCULAR ACCESS	A-V FISTULA	2.6	5	42	13.8	11	83	16.4	12	96
	A-V GRAFT	1.1	2	24	5.4	5	38	6.5	6	55
	PERCUTANEOUS-OTHER ACCESS	0.3	1	20	2.0	5	49	2.4	5	69
	REVISION, A-V ACCESS	1.2	3	33	5.6	7	109	6.8	8	110
	Subtotal - VASC-VASC ACCESS	5.2	8	59	26.9	18	195	32.1	20	201

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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	10	2.4	3	32	2.6	4	32
	AMPUTATION, TRANSMETATARSAL	0.4	1	10	2.5	3	25	2.9	4	26
	AMPUTATION, BELOW KNEE	0.9	1	13	4.9	4	27	5.8	4	40
	AMPUTATION, ABOVE KNEE	0.6	1	11	3.4	3	15	4.0	3	23
	AMPUTATION, UPPER EXTREMITY	0.0	0	3	0.1	0	4	0.1	0	4
	AMPUTATION CLOSURE, REVISION	0.1	0	4	0.6	1	9	0.7	1	9
	Subtotal - VASC-AMPUTATIONS	2.3	4	38	13.9	10	58	16.2	11	96
ENDOCRINE	THYROIDECTOMY, PARTIAL OR TOTAL	6.1	7	62	14.1	11	105	20.2	13	108
	PARATHYROIDECTOMY	3.2	4	34	6.5	7	50	9.7	8	72
	ADRENALECTOMY	1.3	2	18	0.9	1	21	2.1	2	32
	PANCREATIC ENDOCRINE PROC	0.8	2	25	0.6	1	22	1.5	3	31
	OTHER MAJOR ENDOCRINE	0.0	0	3	0.0	0	3	0.1	0	4
	Subtotal - ENDOCRINE	11.4	11	97	22.2	17	150	33.6	19	170
HAND	SOFT TISSUE REPAIR/GRAFT	0.0	0	1	0.0	0	1	0.0	0	2
	TENDON REPAIR/TRANSFER	0.0	0	5	0.4	1	19	0.4	1	19
	NERVE REPAIR	0.0	0	2	0.2	1	6	0.2	1	7
	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	0.1	1	18	1.8	5	138	1.9	6	149
	Subtotal - HAND	0.2	1	18	2.4	6	165	2.6	7	177

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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									
THORACIC	EXPLOR THORACOTOMY-OPEN	0.9	2	15	3.5	3	25	4.4	4	26
	EXPLOR THORACOTOMY W/WO BX-THORACOS	0.8	2	17	4.3	5	67	5.1	5	67
	PLEURODESIS-THORACOSCOPIC	0.6	1	18	3.2	3	32	3.8	4	32
	REPAIR DIAPH HERNIA	0.2	1	6	0.4	1	22	0.7	1	22
	EXCISION MEDIASTINAL TUMOR	0.1	1	10	0.9	2	38	1.1	2	39
	PNEUMONECTOMY	0.1	0	3	0.3	1	5	0.3	1	7
	LOBECTOMY/SEGMENTAL RESECT LUNG-OPEN	0.6	2	22	2.5	3	27	3.1	4	34
	LOBECTOMY/SEGMENTAL RESECT LUNG-THORACOS	0.8	2	20	3.2	4	33	4.0	5	33
	WEDGE RESECTION LUNG-OPEN	0.0	0	3	0.4	1	9	0.4	1	9
	WEDGE RESECTION LUNG-THORACOSCOPIC	0.9	2	29	3.3	4	47	4.1	5	49
	THORACIC OUTLET DECOMPRESS PROC	0.0	0	8	0.2	1	16	0.2	1	24
	OPEN DRAINAGE OF EMPYEMA	0.0	0	4	0.1	0	5	0.2	1	5
	PERICARDIECTOMY	0.2	1	8	0.9	1	12	1.1	2	13
	PERICARD WINDOW FOR DRAINAGE-THORACOSCOPI	0.1	0	5	0.5	1	10	0.6	1	10
	PACEMAKER INSERTION	0.1	0	4	0.6	2	16	0.6	2	20
	CARDIAC PROCEDURES	0.7	5	116	2.6	8	117	3.3	11	165
	SYMPATHECTOMY, THORACOLUMBAR-THORACOSCOPI	0.0	0	3	0.2	1	6	0.2	1	6
	ESOPHAGOMYOTOMY (HELLER)-THORACOSCOPIC	0.0	0	4	0.1	0	3	0.1	0	4
	OTHER MAJOR THORACIC	1.0	3	53	5.1	5	65	6.1	7	91
	Subtotal - THORACIC	7.3	14	187	32.1	20	211	39.5	27	296

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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	0.8	2	21	13.4	9	86	14.2	9	86
	REP BRANCHIAL CLEFT ANOM/THYRO DUCT CYST	0.0	0	4	0.4	1	6	0.4	1	6
	REPAIR DEFORMITY CHEST WALL	0.0	0	4	0.5	1	16	0.5	1	16
	REPAIR DIAPHRAGMATIC HERNIA	0.0	0	4	0.3	1	9	0.3	1	9
	ANTIREFLUX PROCEDURE-OPEN (PEDS)	0.0	0	0	0.0	0	3	0.0	0	3
	ANTIREFLUX PROCEDURE-LAPAROSCOPIC (PEDS)	0.1	0	5	0.8	2	13	0.8	2	15
	REP ESOPH ATRESIA/TRACHEO-ESOPH FIST	0.0	0	3	0.2	0	3	0.2	1	3
	REP INTESTINAL ATRESIA/STENOSIS	0.1	0	6	1.0	1	12	1.2	2	12
	REPAIR PYLORIC STENOSIS	0.1	1	6	1.9	2	15	2.1	2	15
	OPERATION FOR MALROTATION/INTUSSUSCEPT	0.1	0	8	0.9	1	7	1.0	1	8
	PROC FOR MECONIUM ILEUS/NEC ENTEROCOLIT	0.0	0	3	0.3	1	9	0.3	1	10
	DEFIN OP FOR HIRSCHSPRUNGS/IMPERF ANUS	0.1	0	4	0.5	1	10	0.5	1	10
	EXC WILMs TUMOR/NEUROBLASTOMA	0.0	0	2	0.1	0	4	0.2	0	4
	REP OMPHALOCELE/GASTROSCHISIS	0.1	0	4	0.8	1	11	0.8	1	11
	REPAIR OF EXSTROPHY	0.0	0	0	0.0	0	2	0.0	0	2
	REPAIR EPI- AND HYPO-SPADIAS	0.0	0	4	0.2	1	12	0.3	1	14
	ORCHIOPEXY	0.1	0	10	1.2	2	20	1.3	2	20
	OTHER MAJOR PEDIATRIC	0.1	0	4	1.6	2	15	1.7	2	15
	Subtotal - PEDIATRIC	1.7	4	38	24.1	14	127	25.8	14	127

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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	0.1	0	9	0.4	1	15	0.5	1	15
	CYSTOSTOMY	0.0	0	4	0.0	0	3	0.1	0	6
	CYSECTOMY	0.0	0	2	0.1	0	3	0.1	0	3
	NEPHRECTOMY (W/ DONOR NEPH SEE TRANSPLT)	0.4	1	16	1.2	2	16	1.6	2	24
	ILEAL URINARY CONDUIT	0.0	0	2	0.0	0	4	0.1	0	4
	OTHER MAJOR GENITO-URINARY	0.2	1	5	0.8	1	11	1.0	2	14
	OTHER MAJOR GENITO-URINARY - LAP BASIC	0.2	1	8	0.6	1	19	0.7	2	26
	OTHER MAJOR GENITO-URINARY - LAP COMPLEX	0.0	0	4	0.1	1	13	0.1	1	13
	Subtotal - GENITO-URINARY	0.9	2	20	3.2	4	42	4.1	5	62
GYNECOLOGY	HYSTERECTOMY (ALL)	0.1	0	5	0.3	1	16	0.4	1	19
	SALPINGO-OOPHORECTOMY	0.1	0	3	0.3	1	15	0.4	1	16
	OTHER MAJOR GYNECOLOGY	0.2	1	33	0.9	4	78	1.1	5	95
	OTHER MAJOR GYNECOLOGY - LAPAROSCOPIC	0.0	0	15	0.2	1	27	0.2	1	31
	Subtotal - GYNECOLOGY	0.5	2	44	1.7	6	105	2.1	7	149
PLASTIC	REPAIR CLEFT LIP/CLEFT PALATE	0.0	0	2	0.1	1	14	0.1	1	14
	MAJOR RECONSTRUCTIVE PROC	0.6	1	13	3.1	4	25	3.7	4	28
	SKIN-GRAFTING, NONBURN (ALL)	0.5	1	12	3.7	4	42	4.2	5	44
	COMPOSITE TISSUE TRANSFER	0.9	3	51	1.9	3	19	2.8	4	51
	BURN DEBRIDEMENT AND/OR GRAFTING	0.3	1	30	7.3	13	147	7.5	13	149
	REDUCTION AND STABILIZATION OF MAXILLOFACIAL FRACTURES	0.0	0	6	0.4	1	24	0.5	2	24
	OTHER MAJOR PLASTIC	1.0	4	116	5.1	6	48	6.1	7	116
	Subtotal - PLASTIC	3.3	7	190	21.6	18	222	24.9	20	225

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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									
NERVOUS SYSTEM	CRANIAL DECOMPRESSION/EXPLORATION	0.0	0	2	0.0	0	3	0.0	0	3
	OTHER MAJOR NERVOUS SYSTEM	0.0	0	2	0.0	0	2	0.0	0	2
	Subtotal - NERVOUS SYSTEM	0.0	0	2	0.0	0	3	0.0	0	3
ORTHOPAEDICS	OPEN OPERATIONS ON BONE OR JOINTS	0.0	0	0	0.0	0	1	0.0	0	1
	ARTHROSCOPY	0.0	0	2	0.1	1	8	0.1	1	8
	OPEN REDUCTION OF OPEN/CLOSED FRACTURE	0.0	0	2	0.2	1	33	0.2	1	33
	CLOSED REDUCTION OF FRACTURE	0.0	0	5	0.3	1	25	0.4	2	26
	OTHER MAJOR ORTHOPAEDICS	0.1	0	4	0.5	1	24	0.6	1	25
	Subtotal - ORTHOPAEDICS	0.1	0	5	1.1	4	77	1.3	4	79
ORGAN TRANSPLANT	LIVER TRANSPLANT	0.3	1	21	1.1	2	27	1.3	3	48
	RENAL TRANSPLANT	0.8	3	41	5.2	6	57	5.9	7	77
	PANCREAS TRANSPLANT	0.0	0	3	0.2	1	6	0.2	1	7
	DONOR NEPHRECTOMY	0.2	1	9	1.3	3	26	1.5	3	28
	DONOR HEPATECTOMY	0.2	1	25	1.1	2	28	1.3	3	53
	EN BLOC ABD ORGAN RETRIEVAL	0.0	0	4	0.2	1	8	0.2	1	10
	OTHER MAJOR ORGAN TRANSPLANT	0.0	0	4	0.3	1	10	0.3	1	10
	Subtotal - ORGAN TRANSPLANT	1.4	5	86	9.3	10	133	10.7	12	219

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)
Reporting Period: Total Experience of Residents Completing Programs in 2017-2018
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Number of Programs in the Nation: 251 Number of Residents in the Nation: 1,198

		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	11	0.2	1	11
	ESOPH TRAUMA-CLOSURE/RESECT/EXCLUSION	0.0	0	2	0.0	0	2	0.1	0	3
	GASTRIC TRAUMA-CLOSURE/RESECT/EXCLUSION	0.2	0	4	0.4	1	6	0.5	1	7
	DUODENAL TRAUMA-CLOSURE/RESECT/EXCLUSION	0.0	0	1	0.0	0	2	0.0	0	2
	SM BOWEL TRAUMA-CLOSURE/RESECT/EXCLUSION	0.5	1	7	1.2	2	18	1.6	2	18
	COLON TRAUMA-CLOSURE/RESECT/EXCLUSION	0.6	1	9	1.3	2	15	1.8	2	15
	NECK EXPLOR FOR TRAUMA	0.3	1	6	0.8	1	10	1.2	1	10
	EXPLOR THORACOTOMY - OPEN	0.7	1	8	1.8	2	15	2.5	2	15
	EXPLOR THORACOTOMY - THORACOSCOPIC	0.1	0	4	0.3	1	9	0.5	1	10
	EXPLOR LAPAROTOMY - OPEN	2.0	3	21	6.6	6	65	8.6	7	67
	EXPLOR LAPAROTOMY - LAPAROSCOPIC	0.4	1	6	0.5	1	8	0.8	1	8
	SPLENECTOMY/SPLENORRHAPHY-OPEN	0.6	1	9	1.5	2	15	2.1	2	16
	REPAIR/DRAINAGE HEPATIC LACS-OPEN	0.4	1	7	0.9	1	14	1.3	2	17
	HEPATIC RESECTION FOR INJURY	0.1	0	3	0.1	0	4	0.2	0	4
	DRAINAGE PANCREATIC INJURY	0.0	0	3	0.0	0	2	0.1	0	5
	RESECTION OF PANCREATIC INJURY	0.1	0	2	0.2	0	3	0.2	1	4
	CLOSED REDUCT OF FRACTURE	0.0	0	1	0.0	0	3	0.0	0	3
	DEBRIDE/SUTURE MAJOR WOUNDS	0.4	1	13	1.9	2	30	2.3	3	30
	REPAIR BLADDER INJURY	0.1	0	3	0.2	1	4	0.4	1	5
	REPAIR URETERAL INJURY	0.0	0	1	0.0	0	2	0.0	0	2
	REPAIR/RESECT FOR KIDNEY TRAUMA	0.1	0	4	0.2	1	4	0.3	1	4
	REP THORAC AORTA, INNOMINATE, SUBCLAVIAN	0.0	0	2	0.0	0	3	0.1	0	3
	REPAIR OF CAROTID OR OTHER MAJOR NECK VESSELS	0.0	0	2	0.0	0	2	0.0	0	2
	REPAIR OF ABDOMINAL AORTA OR VENA CAVA	0.0	0	3	0.1	0	3	0.1	0	4
	REP PERIPHERAL VESSELS	0.1	0	4	0.3	1	6	0.5	1	7
	FASCIOTOMY FOR INJURY	0.2	1	7	0.6	1	7	0.8	1	9
	REPAIR OTHER MAJOR VASC INJURY (TR1)	0.1	0	3	0.1	0	4	0.2	1	4
	MANAGEMENT CARDIAC INJURY	0.1	0	5	0.1	0	3	0.2	1	5
	OTHER MAJOR TRAUMA	0.8	1	12	2.5	2	29	3.3	3	41
	Subtotal - TRAUMA	7.9	8	45	22.0	15	126	29.8	18	138

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SURGERY: NATIONAL RESIDENT REPORT (Main Table)
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[PAGE 17] Number of Programs in the Nation: 251 Number of Residents in the Nation: 1,198

		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	4	0.5	2	32	0.5	2	32
	BRONCHOSCOPY	0.6	2	33	6.8	9	99	7.4	9	100
	SCLEROTHERAPY/BANDING ESOPH VARICES	0.0	0	1	0.0	0	8	0.0	0	8
	ESOPHAGO-GASTRO-DUODENOSCOPY	7.8	10	93	34.5	20	165	42.3	21	226
	PERCUTAN ENDO GASTROSTOMY (PEG)	1.9	3	23	9.9	10	80	11.8	11	99
	ERCP W/WO PAPILOTOMY	0.2	4	106	0.3	2	24	0.5	4	106
	SIGMOIDOSCOPY, RIGID/FLEXIBLE	0.6	1	12	2.4	3	25	2.9	4	25
	FLEXIBLE COLONOSCOPY W/WO BX/POLYPECT	14.1	18	153	55.2	32	246	69.3	28	256
	CHOLEDOCHOSCOPY	0.0	0	1	0.0	0	4	0.0	0	4
	CYSTO/URETHROSCOPY	0.1	1	25	0.8	3	42	0.9	4	56
	OTHER ENDOSCOPY	0.3	1	21	1.1	2	35	1.3	2	36
		Subtotal - ENDOSCOPY (NOT MAJOR CRED)	25.6	26	211	111.4	48	373	137.0	47
MISCELLANEOUS (NOT FOR MAJOR CREDIT)	REMOVE SKIN MOLES, SMALL TUMORS, ETC	0.5	1	20	5.4	7	79	6.0	8	81
	REMOVAL SUBCUT SMALL TUMORS, CYSTS, FBs	0.3	1	8	2.5	3	41	2.8	3	42
	REPAIR MINOR WOUNDS AND GRAFTS	0.1	0	4	1.2	3	40	1.3	3	40
	BANDING/INCISION THROMBOSED HEMORRHOID	0.1	1	13	0.4	1	12	0.5	1	13
	ENDORECTAL ULTRASOUND [MISCELLANEOUS]	0.0	0	1	0.0	0	3	0.0	0	3
	OTHER PROCEDURES	5.2	7	78	57.1	62	1,196	62.3	65	1,210
		Subtotal - MISC (NOT MAJOR CRED)	6.1	8	102	66.7	67	1,228	72.8	71

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SURGERY: NATIONAL RESIDENT REPORT (Main Table)
Reporting Period: Total Experience of Residents Completing Programs in 2017-2018
Residency Review Committee for Surgery
Report Date: October 3, 2018

[PAGE 18] Number of Programs in the Nation: 251 Number of Residents in the Nation: 1,198

		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	12.4	24	544	43.4	51	819	55.7	55	933
	TEAM LEADER ASSMT AND RESUSCITATION	7.5	9	220	5.2	7	95	12.7	9	220
	Subtotal - PATIENT CARE (NOT MAJOR CRED)	19.9	30	764	48.5	52	826	68.4	57	947
SURGICAL CRITICAL CARE PAT MGMNT	VENTILATORY MANAGEMENT	6.4	8	94	18.9	27	627	25.3	26	627
	BLEED (NON-TRAUMA) > 3 UNITS	2.4	4	48	4.7	7	143	7.0	7	147
	HEMODYNAMIC INSTABILITY	5.0	6	56	11.5	12	157	16.5	13	162
	ORGAN DYSFUNCTION	5.2	7	53	11.7	15	168	16.9	15	168
	DYSRHYTHMIAS	1.9	3	42	5.2	8	137	7.1	8	139
	INVASIVE LINE MANAGE/MONITORING	5.0	7	56	14.6	18	213	19.5	18	213
	PARENTERAL/ENTERAL NUTRITION	3.7	6	52	10.1	16	208	13.9	16	209
	Subtotal - CRITCARE PAT MAN (NOT MAJ CRED)	29.5	35	310	76.7	88	1,175	106.2	84	1,203
CRITICAL CARE (NOT FOR MAJOR CREDIT)	CRITICAL CARE OTHER	0.1	0	7	1.4	4	47	1.4	4	47
OPHTHALMOLOGY (NOT FOR MAJOR CREDIT)	OPHTHALMOLOGY	0.0	0	1	0.0	0	5	0.1	0	5

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Residency Review Committee for Surgery
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[PAGE 19] Number of Programs in the Nation: 251 Number of Residents in the Nation: 1,198

		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	2	0.3	1	24	0.3	1	24
UROLOGY (NOT FOR MAJOR CREDIT)	UROLOGY	0.1	1	20	3.0	5	38	3.1	5	46
NEUROSURGERY (NOT FOR MAJOR CREDIT)	NEUROSURGERY	0.1	1	16	1.0	3	43	1.1	3	43
GYNECOLOGY (NOT FOR MAJOR CREDIT)	GYNECOLOGY	0.0	0	11	0.4	1	22	0.4	1	33
RADIOLOGY (NOT FOR MAJOR CREDIT)	RADIOLOGY	0.1	1	41	0.9	2	29	0.9	3	42
ULTRASOUND (NOT FOR MAJOR CREDIT)	MISCELLANEOUS ULTRASOUND	0.0	0	2	0.2	2	49	0.2	2	49
TRAUMA (NOT FOR MAJOR CREDIT)	OTHER TRAUMA	0.0	0	1	0.0	0	3	0.1	0	3
TOTAL FOR CREDIT	Major Operations	283.8	71	783	767.4	133	1,428	1,051.2	145	1,842
Non-Tracked Codes	Non-Tracked	2.5	5	53	15.0	13	119	17.5	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 2017-2018

Residency Review Committee for Surgery

Report Date: October 3, 2018

[PAGE 1] Number of Programs in the Nation: 251 Number of Residents in the Nation: 1,198																									
	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	6	9	12	15	20	35	43	51	58	72	1	2	4	5	8	0	0	1	2	3	44	54	62	71	91
HEAD/NECK	1	2	3	5	8	9	14	18	23	33	0	1	1	1	3	0	0	0	1	2	12	17	23	28	39
BREAST	2	5	9	13	22	34	44	53	63	78	0	0	1	1	3	0	0	1	3	9	44	53	62	73	96
ALIM TR-ESOPHAGUS	2	3	5	7	13	2	4	6	7	12	0	0	0	0	0	0	0	0	1	3	6	9	11	15	20
ALIM TR-STOMACH	6	9	13	18	33	11	17	22	28	45	0	0	1	1	2	0	0	1	2	5	22	29	36	49	71
ALIM TR-SMALL INT	10	13	15	18	23	15	19	22	25	33	0	1	1	2	3	0	0	1	1	3	29	33	37	42	50
ALIM TR-LARGE INT	31	39	45	53	65	65	81	96	109	136	3	6	8	10	15	0	2	3	6	14	106	128	145	158	186
ALIM TR-ANO-RECTAL	3	6	8	12	17	15	20	25	30	40	0	1	1	2	3	0	0	0	1	3	24	28	34	40	52
ABDOMEN-GENERAL	8	11	14	19	25	17	24	30	36	47	1	1	2	3	4	0	0	1	2	5	27	38	45	54	72
ABDOMEN-LIVER	1	3	4	6	9	2	3	5	6	8	0	0	0	0	1	0	0	0	1	1	5	7	9	11	15
ABDOMEN-BILIARY	22	30	35	42	60	59	74	89	105	136	3	6	7	10	15	0	1	3	6	14	93	109	125	143	179
ABDOMEN-PANCREAS	1	3	5	7	11	1	2	3	4	6	0	0	0	0	0	0	0	0	1	1	4	6	8	11	17
ABDOMEN-SPLEEN	0	1	1	1	2	0	1	1	2	3	0	0	0	0	0	0	0	0	0	1	1	2	2	3	4
ABDOMEN-HERNIA	22	30	35	43	58	69	81	96	110	126	2	3	5	7	10	0	1	2	5	12	102	117	133	151	171
VASC - ANEURYSM REPAIR	0	0	1	2	5	1	2	3	5	8	0	0	0	0	0	0	0	0	1	2	1	3	5	7	12
VASC - CEREBROVASCULAR	0	1	2	4	9	2	3	6	9	14	0	0	0	0	1	0	0	0	1	3	3	5	9	13	20
VASC - PERIPH OBSTRUCTIVE	0	1	3	7	15	6	9	12	17	26	0	0	0	0	1	0	0	0	1	3	9	13	17	23	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 - UPPER EXTREMITY	0	0	0	1	1	0	1	1	2	3	0	0	0	0	0	0	0	0	0	0	1	1	2	2	4
VASC - EXTRA-ANATOMIC	0	0	0	1	1	0	1	1	2	3	0	0	0	0	0	0	0	0	0	0	0	1	1	2	4
VASC - THROMBOLYSIS/MECH THROMB	0	0	0	0	1	0	0	0	1	1	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	1	1	2	1	1	2	2	4	0	0	0	0	0	0	0	0	0	0	1	2	3	3	5
VASC - VENOUS	0	0	0	1	4	1	4	6	9	16	0	0	0	0	1	0	0	0	0	1	2	4	7	11	18
VASC - ENDOVASCULAR DIAGNOSTIC	0	0	0	1	5	1	2	4	8	16	0	0	0	0	0	0	0	0	0	1	1	3	5	10	22
VASC - MISCELLANEOUS VASCULAR	0	1	1	2	3	3	4	5	6	9	0	0	0	0	0	0	0	0	0	1	3	5	6	8	12
VASC - VASCULAR ACCESS	0	1	3	7	14	12	17	24	32	47	0	0	0	0	1	0	0	0	1	4	15	21	29	38	55
VASC - AMPUTATIONS	0	1	2	3	6	6	8	12	16	25	0	0	1	1	4	0	0	0	0	1	7	11	14	20	29
ENDOCRINE	3	6	9	14	21	8	12	17	24	41	0	0	0	0	1	0	0	1	1	4	17	22	28	37	53
HAND	0	0	0	0	1	0	1	1	2	7	0	0	0	0	0	0	0	0	0	1	0	1	1	3	8
THORACIC	1	2	5	8	17	17	24	28	35	52	0	0	0	1	1	0	0	1	3	6	23	28	34	45	59

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SURGERY: NATIONAL PROGRAM STATISTICS REPORT (Benchmarks Table)

Reporting Period: Total Experience of Residents Completing Programs in 2017-2018

Residency Review Committee for Surgery

Report Date: October 3, 2018

[PAGE 1] Number of Programs in the Nation: 251 Number of Residents in the Nation: 1,198																									
	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
PEDIATRIC	0	0	1	2	4	13	18	22	25	38	0	0	0	0	1	0	0	0	1	3	15	20	22	28	39
GENITO-URINARY	0	0	1	1	2	1	2	3	4	7	0	0	0	0	0	0	0	0	1	1	1	2	4	5	9
GYNECOLOGY	0	0	0	1	1	0	0	1	1	3	0	0	0	0	0	0	0	0	0	0	0	1	1	2	5
PLASTIC	1	2	2	4	6	9	13	18	25	38	0	0	1	1	2	0	0	0	1	3	12	16	21	28	43
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	7	10	18	0	0	0	0	0	0	0	0	1	3	2	5	8	11	20
TRAUMA	2	4	6	9	18	10	15	18	24	36	0	1	1	2	4	0	0	1	1	3	15	21	25	33	51
ENDOSCOPY (NOT FOR MAJOR CREDIT)	5	12	22	37	56	64	91	109	128	155	0	0	1	1	3	0	0	1	1	4	102	115	130	150	187
MISCELLANEOUS (NOT FOR MAJOR CREDIT)	1	3	5	8	14	28	43	57	81	114	0	1	2	2	5	0	0	1	3	7	30	48	62	89	127
PATIENT CARE (NOT FOR MAJOR CREDIT)	2	9	17	24	37	20	33	44	52	87	0	0	0	0	1	0	0	0	0	0	48	52	57	68	98
SURGICAL CRITICAL CARE PAT MGMNT	7	16	25	36	59	26	44	63	90	148	0	0	0	0	1	0	0	0	0	0	61	80	95	115	162
TOTAL FOR CREDIT	234	255	272	301	370	644	709	759	818	904	30	34	38	43	58	5	12	27	49	103	922	989	1,043	1,111	1,202

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