



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 2016-2017
Residency Review Committee for Surgery
Report Date: September 12, 2017

[PAGE 1]

Number of Programs in the Nation: 251 Number of Residents in the Nation: 1,211

		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	10	2.3	2	16	3.0	3	21
	MAJ EXC & REP/GRAFT FOR SKIN NEOPLASM	2.1	3	20	10.1	8	56	12.2	9	65
	SENTINEL LYMPH NODE BIOPSY FOR MELANOMA	0.9	1	18	2.5	2	19	3.4	3	25
	RAD EXCIS SOFT TIS TUMOR	0.8	1	13	2.2	3	27	3.0	3	31
	PILONIDAL CYSTECTOMY	0.8	1	8	4.3	3	25	5.0	4	30
	OTHER MAJOR SKIN/SOFT TIS	5.8	5	41	27.2	16	168	32.9	19	196
	Subtotal - SKIN/SOFT TIS	10.9	8	48	48.6	22	205	59.5	25	241
HEAD/NECK	RESECT LESION-LIPS	0.0	0	2	0.1	0	3	0.1	0	3
	RESECT LESION-TONGUE	0.0	0	2	0.2	1	6	0.2	1	6
	RESECT LESION-FLOOR MOUTH/BUCCAL MUC	0.0	0	2	0.0	0	3	0.1	0	3
	PAROTIDECTOMY	0.1	0	5	0.5	1	10	0.6	1	11
	RESECT OTHER SALIVARY GLND	0.0	0	2	0.1	1	6	0.2	1	6
	RADICAL NECK DISSECT	0.4	1	10	1.0	2	15	1.3	2	20
	RESECT MANDIBLE/MAXILLA	0.0	0	1	0.0	0	5	0.0	0	5
	TRACHEOSTOMY	2.2	3	27	11.6	9	96	13.8	10	96
	OTHER MAJOR HEAD/NECK	0.8	1	17	5.2	5	47	6.0	5	64
	Subtotal - HEAD/NECK	3.5	4	28	18.7	12	112	22.2	13	116
BREAST	BREAST BIOPSY	1.1	2	24	13.1	13	111	14.2	13	112
	SENTINEL LYMPH NODE BIOPSY (BREAST)	0.5	1	13	3.0	4	36	3.5	5	36
	SIMPLE MASTECTOMY	1.7	2	16	9.3	7	44	11.0	7	50
	MOD RAD MASTECTOMY	0.7	1	11	3.9	4	31	4.6	4	39
	RADICAL MASTECTOMY	0.0	0	3	0.1	0	5	0.1	0	5
	EXC BX/QUADRANT EXC W/WO AX SAMPLING	2.6	4	29	19.5	13	80	22.1	14	87
	BREAST RECONSTRUCTION	0.4	2	40	4.0	7	75	4.5	8	78
	OTHER MAJOR BREAST	0.4	1	11	2.2	3	29	2.5	3	31
	Subtotal - BREAST	7.4	9	58	55.1	26	206	62.5	29	211

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 2016-2017
Residency Review Committee for Surgery
Report Date: September 12, 2017

[PAGE 2]

Number of Programs in the Nation: 251 Number of Residents in the Nation: 1,211

		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										
ALIM TR-ESOPHAGUS	ESOPHAGECTOMY	0.5	1	12	0.6	1	14	1.0	2	16	
	ESOPHAGO-GASTRECTOMY	0.4	1	8	0.6	1	8	1.0	1	11	
	ANTIREFLUX PROC-OPEN	0.1	1	17	0.4	1	15	0.6	1	17	
	ANTIREFLUX PROC-LAPAROSCOPIC	4.0	5	32	4.0	4	33	8.0	7	41	
	ESOPHAGEAL BYPASS PROCEDURE	0.0	0	2	0.0	0	2	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	2	0.1	0	2	0.1	0	3	
	ESOPHAGEAL DIVERTICULECTOMY	0.1	0	5	0.1	0	4	0.2	0	6	
	OTHER MAJOR ESOPHAGUS	0.1	0	3	0.2	1	4	0.3	1	5	
	Subtotal - ALIM TR-ESOPHAGUS		5.2	6	42	6.0	6	41	11.2	9	56
ALIM TR-STOMACH	GASTROSTOMY (ALL TYPES)-OPEN	1.0	1	13	2.9	3	29	3.9	3	33	
	GASTROSTOMY (ALL TYPES)-LAPAROSCOPIC	0.6	1	12	2.5	3	24	3.1	4	29	
	GASTRIC RESECT, PARTIAL-OPEN	1.7	2	30	1.6	2	14	3.3	3	31	
	GASTRIC RESECT, PARTIAL-LAPAROSCOPIC	5.8	10	78	6.7	10	78	12.5	16	156	
	GASTRIC RESECT, TOTAL	0.5	1	6	0.4	1	6	0.9	1	9	
	VAGOTOMY, TRUN/SEL W/DRAINAGE/RES-OPEN	0.1	0	3	0.1	1	15	0.2	1	15	
	VAGOTOMY, TRUN/SEL W/DRAINAGE/RES-LAPAR	0.0	0	2	0.0	0	1	0.0	0	2	
	REPAIR PERF-GASTRIC DIS	1.0	1	11	1.6	2	13	2.6	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)	1.8	5	55	2.9	7	71	4.7	10	96	
	GASTRIC REDUC FOR MORBID OBESITY-LAP	0.6	1	18	1.3	3	41	1.9	4	43	
	OTHER MAJOR STOMACH [no open/close dist]	1.2	2	20	2.4	3	40	3.6	3	43	
	Subtotal - ALIM TR-STOMACH		14.3	13	95	22.5	16	112	36.8	23	197

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 2016-2017
Residency Review Committee for Surgery
Report Date: September 12, 2017

[PAGE 3]

Number of Programs in the Nation: 251 Number of Residents in the Nation: 1,211

		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										
ALIM TR-SMALL INT	ENTEROLYSIS - OPEN	1.5	2	25	2.5	3	33	3.9	4	40	
	ENTEROLYSIS-LAPAROSCOPIC	1.2	2	31	2.0	3	53	3.2	4	84	
	ENTERECTOMY - OPEN	5.9	4	29	10.5	6	39	16.5	8	52	
	ENTERECTOMY-LAPAROSCOPIC	0.6	1	18	0.7	1	13	1.3	2	23	
	REPAIR PERF-DUODENAL DIS	0.1	0	3	0.2	1	4	0.3	1	6	
	REPAIR PERF-SMALL BOWEL DIS	0.9	1	9	1.8	2	11	2.7	2	13	
	ILEOSTOMY (NOT ASSOC W/COLECTOMY)-OPEN	0.7	1	7	1.5	2	16	2.2	2	17	
	ILEOSTOMY (NOT ASSOC W/COLECTOMY)-LAP	0.6	1	6	1.1	1	15	1.7	2	20	
	DIVERTICULECTOMY	0.1	0	4	0.4	1	4	0.4	1	5	
	OTHER MAJOR SMALL INT	1.0	1	10	2.1	2	20	3.0	3	23	
	Subtotal - ALIM TR-SMALL INT		12.6	7	68	22.8	11	92	35.3	15	137
ALIM TR-LARGE INT	APPENDECTOMY-OPEN	0.9	1	13	5.4	5	33	6.3	5	36	
	APPENDECTOMY-LAPAROSCOPIC	10.1	8	67	49.0	22	172	59.1	26	201	
	COLOSTOMY (ALL TYPES)	2.3	2	16	4.4	3	22	6.7	4	27	
	COLOSTOMY CLOSURE	1.8	2	16	2.9	3	24	4.7	5	37	
	COLECTOMY/PROCTECTOMY-OPEN	13.2	7	70	19.8	10	69	33.0	13	91	
	COLECTOMY/PROCTECTOMY-LAPAROSCOPIC	11.9	10	55	12.0	9	66	23.9	15	100	
	COLECTOMY W/ ILEOANAL PULL-THRU	0.2	0	4	0.2	1	6	0.4	1	7	
	COLECTOMY W/ CONTINENT RECONSTRUCT	0.1	0	5	0.2	1	6	0.3	1	6	
	ABDOMINO-PERINEAL RESECTION	1.3	2	27	1.2	2	16	2.6	3	31	
	TRANSANAL RECTAL TUMOR EXCISION	0.3	1	10	0.7	1	26	1.0	2	26	
	REPAIR PERF-COLON DIS	0.3	1	5	0.4	1	5	0.7	1	7	
	OTHER MAJOR LARGE INT	0.3	1	7	0.7	1	6	1.0	1	10	
	Subtotal - ALIM TR-LARGE INT		42.5	19	153	97.0	34	319	139.6	41	339

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 2016-2017
Residency Review Committee for Surgery
Report Date: September 12, 2017

[PAGE 4]

Number of Programs in the Nation: 251 Number of Residents in the Nation: 1,211

		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									
ALIM TR-ANO-RECTAL	HEMORRHOIDECTOMY (ALL)	2.2	3	24	7.5	6	78	9.7	7	102
	SPHINCTEROTOMY/SPHINCTEROPLASTY	0.3	1	6	1.2	2	13	1.5	2	19
	DRAINAGE PROC FOR ANORECTAL ABSCESS	1.6	2	28	6.5	5	32	8.1	6	39
	REPAIR ANORECTAL FISTULA	0.4	1	9	0.9	1	13	1.3	2	20
	OTHER OPERATIONS FOR ANAL INCONTINENCE	0.0	0	3	0.1	0	3	0.1	0	4
	REPAIR RECTAL PROLAPSE	0.4	1	7	0.7	1	10	1.1	1	11
	OTHER MAJOR ANO-RECTAL	2.7	3	24	7.8	6	45	10.5	8	52
	Subtotal - ALIM TR-ANO-RECTAL	7.7	7	62	24.7	14	143	32.4	17	205
ABDOMEN-GENERAL	EXP LAP EXCLUSIVE OF TRAUMA-OPEN	7.5	6	48	15.0	10	74	22.5	13	95
	EXP LAP EXCLUSIVE OF TRAUMA-LAPAR	4.5	5	53	9.6	7	61	14.2	10	76
	DRAINAGE INTRA-ABDOMINAL ABSCESS	0.2	1	9	0.5	1	12	0.7	1	20
	MAJ RETROPERIT/PELVIC NODE DISSEC-OPEN	0.2	1	8	0.1	1	7	0.3	1	8
	OTHER MAJOR AB-GENERAL-LAP COMPLEX	0.4	1	15	0.6	1	8	0.9	2	15
	OTHER MAJOR AB-GENERAL	1.5	2	21	2.5	2	18	3.9	3	29
	Subtotal - ABDOMEN-GENERAL	14.2	9	91	28.3	14	95	42.5	19	135
ABDOMEN-LIVER	LOBECTOMY OR SEGMENTECTOMY	3.1	3	28	2.5	3	22	5.7	5	42
	WEDGE RESECTION/OPEN BIOPSY	0.8	1	11	1.2	2	11	2.0	2	20
	DRAINAGE LIVER ABSCESS	0.2	1	6	0.3	1	13	0.6	1	13
	OTHER MAJOR LIVER	0.8	1	13	1.0	2	17	1.8	2	18
	Subtotal - ABDOMEN-LIVER	5.0	5	32	5.0	4	29	10.0	6	46

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 2016-2017
Residency Review Committee for Surgery
Report Date: September 12, 2017

[PAGE 5]

Number of Programs in the Nation: 251 Number of Residents in the Nation: 1,211

		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									
ABDOMEN-BILIARY	CHOLECYSTOSTOMY	0.1	0	4	0.2	1	7	0.2	1	7
	CHOLECYSTECTOMY W/WO OPER GRAMS-OPEN	2.4	2	21	5.7	4	51	8.2	5	53
	CHOLECYSTECTOMY W/WO OPER GRAMS-LAPAR	29.1	17	130	85.0	35	217	114.1	42	312
	COMMON BILE DUCT EXPLOR-OPEN	0.3	1	8	0.4	1	6	0.8	1	11
	COMMON BILE DUCT EXPLOR-LAPAR	0.2	1	7	0.4	1	15	0.6	1	18
	CHOLEDOCHOENTERIC ANASTOMOSIS	0.7	1	9	0.7	1	8	1.4	2	11
	SPHINCTEROPLASTY (ODDI)	0.0	0	2	0.0	0	2	0.1	0	3
	OTHER MAJOR BILIARY	0.2	1	7	0.2	0	5	0.3	1	8
	Subtotal - ABDOMEN-BILIARY	33.1	18	141	92.5	36	229	125.6	44	341
ABDOMEN-PANCREAS	DRAINAGE PANCREATIC ABSCESS	0.0	0	2	0.1	0	3	0.1	0	3
	RESECTION FOR PANCREATIC NECROSIS	0.3	1	8	0.4	1	8	0.7	1	9
	PANC RESECTION, DISTAL	1.8	2	26	1.0	1	14	2.9	3	29
	PANC RESECTION, WHIPPLE	3.6	4	38	1.7	2	21	5.3	5	52
	PANC RESECTION, TOTAL	0.2	1	4	0.1	0	4	0.3	1	5
	DRAINAGE PSEUDOCYST (ALL TYPES)	0.2	0	4	0.2	1	4	0.4	1	4
	PANCREATICOJEJUNOSTOMY	0.2	0	5	0.1	0	3	0.2	1	5
	OTHER MAJOR PANCREAS	0.3	1	5	0.3	1	6	0.6	1	8
	Subtotal - ABDOMEN-PANCREAS	6.6	7	49	3.9	4	35	10.5	9	79
ABDOMEN-SPLEEN	SPLENECTOMY FOR DISEASE-OPEN	0.6	1	6	0.8	1	9	1.3	1	9
	SPLENECTOMY FOR DISEASE-LAPAR	0.6	1	8	0.6	1	6	1.2	1	10
	Subtotal - ABDOMEN-SPLEEN	1.2	1	12	1.4	1	9	2.6	2	13
ABDOMEN-HERNIA	INGUINAL-FEMORAL (ALL)-OPEN	9.7	8	65	37.5	17	139	47.3	19	173
	INGUINAL-FEMORAL (ALL)-LAPAROS	12.1	11	91	22.2	14	87	34.4	20	153
	VENTRAL	11.7	8	61	35.3	14	90	47.0	18	114
	OTHER MAJOR HERNIAS	0.1	0	2	0.3	1	6	0.5	1	6
	Subtotal - ABDOMEN-HERNIA	33.7	19	164	95.4	32	239	129.1	38	294

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 2016-2017
Residency Review Committee for Surgery
Report Date: September 12, 2017

[PAGE 6] Number of Programs in the Nation: 251 Number of Residents in the Nation: 1,211

		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 - ANEURYSM REPAIR	OPEN REPAIR INFRARENAL A-I ANEURYSM, RUPTURED	0.1	0	3	0.2	0	4	0.3	1	4	
	OPEN REPAIR INFRARENAL A-I ANEURYSM, ELECTIVE	0.3	1	9	0.6	1	10	0.9	1	10	
	ENDOVASCULAR REPAIR ABD AORTIC/ILIAC ANEURYSM	0.8	2	28	2.1	3	17	2.9	4	34	
	ENDOVASCULAR REPAIR OF ILIAC ARTERY	0.0	0	3	0.1	0	6	0.1	0	6	
	REPAIR SUPRARENAL AORTIC ANEURYSM	0.0	0	2	0.1	0	2	0.1	0	4	
	REPAIR THORACIC AORTIC ANEURYSM	0.0	0	2	0.0	0	3	0.0	0	3	
	ENDOVASCULAR REPAIR THORACIC AORTIC ANEURYSM	0.2	1	23	0.4	1	10	0.5	1	23	
	REPAIR THORACOABDOMINAL AORTIC ANEURYSM	0.0	0	2	0.1	0	4	0.1	0	4	
	REPAIR FEMORAL ANEURYSM	0.2	1	5	0.5	1	8	0.7	1	9	
	REPAIR POPLITEAL ANEURYSM	0.1	0	4	0.2	0	5	0.3	1	6	
	REPAIR OTHER ANEURYSM - DEF CAT CREDIT	0.0	0	2	0.0	0	2	0.1	0	2	
	Subtotal - VASC-ANEURYSM REPAIR		1.8	3	59	4.2	4	39	6.0	6	65
	VASC - CEREBROVASCULAR	CAROTID ENDARTERECTOMY	2.7	5	39	6.6	6	52	9.3	9	75
REOPERATIVE CAROTID SURGERY		0.0	0	1	0.0	0	2	0.0	0	2	
TRANSCATHETER PLACEMENT CAROTID ARTERY STENT		0.1	0	7	0.2	1	6	0.2	1	10	
EXCISE CAROTID BODY TUMOR		0.0	0	2	0.0	0	2	0.1	0	3	
VERTEBRAL BYPASS OR REIMPLANTATION /TRANSPOSITION		0.0	0	2	0.0	0	1	0.0	0	2	
DIRECT REPAIR AORTIC ARCH BRANCHES		0.0	0	1	0.0	0	2	0.0	0	2	
TRANSLUMINAL BALLOON ANGIOPLASTY - BRACHIOCEPHALIC		0.0	0	3	0.2	1	8	0.2	1	8	
TRANSLUMINAL ATHERECTOMY - BRACHIOCEPHALIC		0.0	0	0	0.0	0	1	0.0	0	1	
TRANSCATHETER PLACE OF INTRAVASC STENT, NONCOR.		0.0	0	2	0.0	0	4	0.1	0	4	
CERVICAL BYPASS AORTIC ARCH BRANCHES		0.2	1	9	0.3	1	7	0.4	1	9	
EMBOLECTOMY/THROMBECTOMY BY NECK OR THORACIC INCIS		0.0	0	6	0.1	1	9	0.2	1	9	
OTHER MAJOR CEREBROVASCULAR - DEF CAT CREDIT		0.0	0	3	0.1	0	2	0.1	0	3	
Subtotal - VASC-CEREBROVASCULAR			3.0	5	45	7.6	7	57	10.6	9	83

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 2016-2017
Residency Review Committee for Surgery
Report Date: September 12, 2017

[PAGE 7] Number of Programs in the Nation: 251 Number of Residents in the Nation: 1,211

		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 - PERIPH OBSTRUCTIVE	AORTO-ILIO/FEMORAL ENDARTERECTOMY	0.2	1	8	0.3	1	8	0.5	1	16
	AORTO-ILIO/FEMORAL BYPASS, PROSTHETIC	0.3	1	7	0.7	1	10	0.9	1	12
	AORTO-ILIO/FEMORAL BYPASS, VEIN	0.0	0	2	0.1	0	3	0.1	0	3
	TRANSLUMINAL BALLOON ANGIOPLASTY AORTA OR ILIAC	0.3	1	11	1.0	2	21	1.3	2	21
	TRANSLUMINAL ATHERECTOMY AORTA OR ILIAC	0.0	0	8	0.1	0	6	0.1	1	14
	TRANSCATHETER PLACEMENT INTRAVASC STENT AORTA	0.1	0	4	0.3	1	22	0.3	1	24
	ILIO-ILIAC/FEMORAL ENDARTERECTOMY	0.1	0	3	0.2	1	9	0.3	1	9
	EXCISE INFECTED GRAFT, ABDOMEN OR CHEST	0.0	0	1	0.0	0	3	0.0	0	3
	REPAIR GRAFT-ENTERIC/AORTO-ENTERIC FISTULA	0.0	0	2	0.0	0	1	0.0	0	2
	FEMORAL, PROFUNDA ENDARTERECTOMY	0.5	1	12	1.4	2	15	1.8	2	20
	FEMORAL-POPLITEAL BYPASS, VEIN	0.7	1	12	1.8	2	25	2.4	3	25
	FEMORAL-POPLITEAL BYPASS, PROSTHETIC	0.4	1	7	1.1	2	12	1.5	2	17
	TRANSLUMINAL BALLOON ANGIOPLASTY FEMORAL-POPLITEAL	0.6	2	22	1.6	3	32	2.2	4	34
	TRANSLUMINAL ATHERECTOMY FEMORAL-POPLITEAL	0.1	1	28	0.3	1	24	0.4	2	50
	ENDARTERECTOMY, SUPERFICIAL FEMORAL, POPLITEAL	0.2	1	7	0.6	1	9	0.9	1	10
	INFRAPOPLITEAL BYPASS, VEIN	0.7	2	25	1.5	2	19	2.1	3	26
	INFRAPOPLITEAL BYPASS, PROSTHETIC	0.1	0	6	0.3	1	7	0.4	1	8
	TRANSLUMINAL BALLON ANGIOPLASTY, TIBIOPERONEAL	0.2	1	8	0.5	1	11	0.6	2	14
	TRANSLUMINAL ATHERECTOMY, TIBIOPERONEAL	0.1	1	44	0.1	1	16	0.2	2	47
	TRANSCATHETER PLACE OF INTRAVASCULAR STENT NON-COR	0.0	0	5	0.2	1	20	0.2	1	20
	EXCISE INFECTED GRAFT, PERIPHERAL	0.1	0	4	0.5	1	9	0.6	1	10
	REVISE ARTERIAL BYPASS	0.1	0	4	0.4	1	6	0.5	1	7
	ARTERIAL EMBOLECTOMY/THROMBECTOMY BY LEG INCISION	0.4	1	6	1.3	2	13	1.8	2	13
	GRAFT THROMBECTOMY	0.0	0	3	0.2	1	7	0.2	1	7
	ADJUNCTIVE VEIN CUFF OR AVF	0.0	0	4	0.0	0	12	0.1	1	16
	HARVEST ARM VEIN	0.0	0	1	0.0	0	2	0.0	0	2
	COMPOSITE LEG BYPASS GRAFT	0.0	0	1	0.0	0	2	0.0	0	2
	RE-DO LOWER EXTREMITY BYPASS	0.0	0	3	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		5.2	9	99	14.7	11	87	19.9	16

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 2016-2017
Residency Review Committee for Surgery
Report Date: September 12, 2017

[PAGE 8] Number of Programs in the Nation: 251 Number of Residents in the Nation: 1,211

		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	1	0.0	0	2	0.0	0	2
	EMBOLECTOMY/THROMBECTOMY, RENAL	0.1	0	3	0.1	0	2	0.1	0	3
	TRANSLUMINAL BALLOON ANGIOPLASTY, RENAL	0.0	0	2	0.1	0	5	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	9	0.1	0	5	0.1	0	9
	Subtotal - VASC-ABDOMINAL OBSTRUCT		0.2	1	12	0.4	1	8	0.6	1
VASC - UPPER EXTREMITY	OPEN BRACHIAL ARTERY EXPOSURE	0.0	0	2	0.1	0	4	0.1	0	4
	ARM BYPASS,ENDARTERECTOMY,REPAIR	0.1	0	4	0.5	1	8	0.7	1	10
	TRANSCATH PLACE OF INTRAVASC STENT, NON	0.0	0	5	0.1	0	6	0.1	0	7
	THORACIC OUTLET DECOMPRESSION PROC	0.1	0	4	0.2	1	8	0.3	1	11
	EMBOLECTOMY/THROMBECTOMY, BY ARM INCISION	0.2	1	9	0.6	1	14	0.8	1	23
	Subtotal - VASC-UPPER EXTREMITY	0.4	1	10	1.5	2	14	1.9	2	24
VASC - EXTRA-ANATOMIC	AXILLO-FEMORAL BYPASS	0.2	1	5	0.4	1	6	0.6	1	7
	AXILLO-POPLITEAL-TIBIAL BYPASS	0.0	0	2	0.0	0	2	0.0	0	2
	FEMORAL-FEMORAL BYPASS	0.3	1	10	0.7	1	6	1.0	1	11
	Subtotal - VASC-EXTRA-ANATOMIC	0.5	1	11	1.2	1	9	1.7	2	14
VASC - THROMBOLYSIS/MECH	TRANSLUMINAL MECHANICAL THROMBECTOMY	0.1	0	4	0.3	1	8	0.3	1	8
	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	6	0.1	0	7
	Subtotal - VASC-THROMBOLYSIS/MECH THROMB	0.2	1	12	0.6	1	10	0.7	2	13
VASC - MISC ENDOVASC THERAP	ENDO PLACE OF ILIAC ARTERY OCCLUSION DEV	0.0	0	2	0.0	0	2	0.0	0	2
	TRANSCATHETER THERAPY, INFUSION NON	0.0	0	0	0.0	0	3	0.0	0	3
	TRANSCATHETER RETRIEVAL OF INTRAVASCULAR	0.0	0	0	0.0	0	4	0.0	0	4
	TRANSCATHETER ARTERIAL OCCLUSION OR	0.1	0	5	0.1	0	6	0.2	1	7
	TRANSCATHETER PLACE OF WIRELESS SENSOR	0.0	0	0	0.0	0	1	0.0	0	1
	PRESSURE MEASUREMENTS FROM WIRELESS	0.0	0	1	0.0	0	0	0.0	0	1
	Subtotal - VASC-MISC ENDOVASC THERA	0.1	0	5	0.2	1	6	0.3	1	7

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 2016-2017
Residency Review Committee for Surgery
Report Date: September 12, 2017

[PAGE 9]

Number of Programs in the Nation: 251 Number of Residents in the Nation: 1,211

		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 - TRAUMA	EXPOSURE OF THORACIC VESSELS	0.0	0	1	0.0	0	1	0.0	0	1
	REPAIR THORACIC VESSELS	0.0	0	1	0.1	0	6	0.1	0	7
	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	0.1	0	2
	EXPOSURE OF ABDOMINAL VESSELS	0.0	0	2	0.0	0	4	0.0	0	4
	REPAIR ABDOMINAL VESSELS	0.0	0	2	0.1	0	3	0.1	0	3
	EXPOSURE OF PERIPHERAL VESSELS	0.1	0	4	0.1	0	6	0.2	1	6
	REPAIR PERIPHERAL VESSELS	0.3	1	6	0.6	1	9	0.9	1	9
	FASCIOTOMY	0.2	1	4	1.0	1	10	1.2	1	10
	Subtotal - VASC-TRAUMA	0.6	1	11	1.9	2	15	2.5	2	17
VASC - VENOUS	PORTAL-SYSTEMIC SHUNT	0.0	0	3	0.0	0	4	0.0	0	4
	OPERATION FOR VARICOSE VEINS	0.3	1	13	2.7	4	46	2.9	4	46
	SCLEROTHERAPY, PERIPH VEIN	0.0	0	2	0.1	0	6	0.1	0	6
	EMBOLECTOMY/THROMBECTOMY, VENOUS	0.0	0	5	0.1	0	5	0.2	1	8
	VENA CAVAL INTERRUPTION/FILTER	0.2	1	15	1.6	4	33	1.8	4	47
	OPERATIONS FOR VENOUS ULCERATION	0.0	0	2	0.0	0	6	0.1	0	6
	VENOUS RECONSTRUCTION	0.1	0	5	0.1	0	3	0.1	0	5
	TRANSLUMINAL BALLOON ANGIOPLASTY, VENOUS	0.2	1	13	1.0	2	26	1.2	3	27
	TRANSLUMINAL MECHANICAL THROMBECTOMY, VENOUS	0.0	0	3	0.1	0	3	0.1	0	3
	THROMBOLYSIS, TRANSVENOUS, TRANSCATHETER	0.0	0	5	0.1	0	3	0.1	0	7
	EXCHANGE OF THROMBOLYSIS CATH	0.0	0	0	0.0	0	2	0.0	0	2
	INTERRUPTION OF IVC	0.3	1	13	1.9	3	21	2.2	4	23
	REPAIR A-V MALFORMATION	0.0	0	1	0.0	0	3	0.0	0	3
	Subtotal - VASC-VENOUS	1.2	3	33	7.7	7	51	8.9	8	56

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 2016-2017
Residency Review Committee for Surgery
Report Date: September 12, 2017

[PAGE 10]

Number of Programs in the Nation: 251 Number of Residents in the Nation: 1,211

		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	1.1	3	39	4.1	7	63	5.2	8	66
	VENOGRAPHY	0.2	1	17	1.6	6	98	1.8	6	98
	ANGIOSCOPY	0.0	0	16	0.1	1	30	0.2	2	46
	INTRAVASCULAR ULTRASOUND	0.0	0	0	0.0	0	4	0.0	0	4
	Subtotal - VASC-ENDOVASC DIAG	1.4	4	40	5.9	10	117	7.3	11	117
VASC - MISCELLANEOUS VASCULAR	EXPLORATION OF ARTERY	0.3	1	13	1.3	2	20	1.6	3	23
	POSTOPERATIVE EXP. FOR BLEED, THROMB, INFECT	0.2	1	4	0.5	1	9	0.7	1	13
	MAJOR VASCULAR LIGATION	0.5	1	8	2.4	2	17	2.9	2	18
	INJECT PSEUDOANEURYSM	0.0	0	3	0.0	0	7	0.1	0	7
	SPINE EXPOSURE	0.2	1	24	0.3	1	25	0.5	2	49
	SYMPATHECTOMY	0.0	0	1	0.1	0	7	0.1	0	7
	LYMPHATIC PROCEDURE	0.0	0	1	0.0	0	2	0.1	0	2
	OTHER MISCELLANEOUS VASCULAR PROCEDURE	0.1	0	7	0.4	2	39	0.5	2	41
	Subtotal - VASC-MISCELLANEOUS	1.2	2	24	5.1	4	43	6.3	5	56
VASC - VASCULAR ACCESS	A-V FISTULA	2.4	4	23	14.5	10	64	16.9	11	79
	A-V GRAFT	1.0	2	16	5.5	6	52	6.5	6	52
	PERCUTANEOUS-OTHER ACCESS	0.3	2	29	2.4	6	61	2.7	6	62
	REVISION, A-V ACCESS	1.0	2	27	5.5	6	62	6.5	7	62
	Subtotal - VASC-VASC ACCESS	4.7	7	53	27.9	18	174	32.6	20	175

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 2016-2017
Residency Review Committee for Surgery
Report Date: September 12, 2017

[PAGE 11]

Number of Programs in the Nation: 251 Number of Residents in the Nation: 1,211

		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 - AMPUTATIONS	AMPUTATION, DIGIT	0.3	1	11	2.6	3	24	2.8	4	28
	AMPUTATION, TRANSMETATARSAL	0.4	1	11	2.5	3	31	2.8	4	37
	AMPUTATION, BELOW KNEE	0.8	2	12	4.9	4	27	5.7	4	31
	AMPUTATION, ABOVE KNEE	0.6	1	9	3.4	3	21	4.0	3	23
	AMPUTATION, UPPER EXTREMITY	0.0	0	1	0.1	0	5	0.1	0	5
	AMPUTATION CLOSURE, REVISION	0.1	0	5	0.5	1	9	0.6	1	9
	Subtotal - VASC-AMPUTATIONS	2.1	4	30	14.0	10	59	16.1	12	83
ENDOCRINE	THYROIDECTOMY, PARTIAL OR TOTAL	6.3	7	94	14.1	12	97	20.4	15	191
	PARATHYROIDECTOMY	3.0	4	45	6.4	7	47	9.4	8	90
	ADRENALECTOMY	1.2	2	18	0.9	2	18	2.2	2	20
	PANCREATIC ENDOCRINE PROC	0.7	1	15	0.5	1	23	1.1	2	23
	OTHER MAJOR ENDOCRINE	0.0	0	4	0.0	0	4	0.1	0	4
	Subtotal - ENDOCRINE	11.3	12	145	21.9	18	146	33.2	22	291
HAND	SOFT TISSUE REPAIR/GRAFT	0.0	0	1	0.0	0	2	0.0	0	2
	TENDON REPAIR/TRANSFER	0.0	0	3	0.3	1	10	0.3	1	10
	NERVE REPAIR	0.0	0	3	0.2	1	5	0.2	1	5
	VASCULAR REPAIR	0.0	0	1	0.0	0	1	0.0	0	1
	REPLANTATION	0.0	0	1	0.0	0	2	0.0	0	2
	OTHER MAJOR HAND	0.1	1	12	1.6	3	39	1.7	3	39
	Subtotal - HAND	0.2	1	17	2.1	4	51	2.3	4	51

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 2016-2017
Residency Review Committee for Surgery
Report Date: September 12, 2017

[PAGE 12]

Number of Programs in the Nation: 251 Number of Residents in the Nation: 1,211

		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	0.7	2	34	3.2	3	25	3.9	4	36
	EXPLOR THORACOTOMY W/WO BX-THORACOS	0.7	2	22	4.2	4	29	5.0	5	32
	PLEURODESIS-THORACOSCOPIC	0.6	1	14	3.1	3	22	3.7	3	22
	REPAIR DIAPH HERNIA	0.2	1	7	0.4	1	8	0.7	1	9
	EXCISION MEDIASTINAL TUMOR	0.2	1	10	0.8	2	39	1.0	2	39
	PNEUMONECTOMY	0.1	0	3	0.3	1	5	0.3	1	5
	LOBECTOMY/SEGMENTAL RESECT LUNG-OPEN	0.7	2	22	2.6	3	27	3.3	4	30
	LOBECTOMY/SEGMENTAL RESECT LUNG-THORACOS	0.7	2	17	3.5	5	79	4.2	5	80
	WEDGE RESECTION LUNG-OPEN	0.1	0	6	0.4	1	8	0.5	1	9
	WEDGE RESECTION LUNG-THORACOSCOPIC	0.8	2	30	2.1	3	32	2.9	4	35
	THORACIC OUTLET DECOMPRESS PROC	0.1	0	9	0.2	1	17	0.3	1	19
	OPEN DRAINAGE OF EMPYEMA	0.0	0	7	0.2	0	5	0.2	1	9
	PERICARDIECTOMY	0.2	1	8	0.9	1	9	1.1	2	13
	PERICARD WINDOW FOR DRAINAGE-THORACOSCOPI	0.1	0	3	0.4	1	11	0.5	1	11
	PACEMAKER INSERTION	0.1	0	6	0.8	2	19	0.8	2	19
	CARDIAC PROCEDURES	0.6	4	75	2.5	6	66	3.1	9	102
	SYMPATHECTOMY, THORACOLUMBAR-THORACOSCOPI	0.0	0	2	0.2	1	9	0.2	1	9
	ESOPHAGOMYOTOMY (HELLER)-THORACOSCOPIC	0.0	0	3	0.0	0	2	0.1	0	3
	OTHER MAJOR THORACIC	0.9	3	78	5.6	6	95	6.5	7	123
	Subtotal - THORACIC	6.7	12	168	31.4	20	210	38.1	25	298

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 2016-2017
Residency Review Committee for Surgery
Report Date: September 12, 2017

[PAGE 13]

Number of Programs in the Nation: 251 Number of Residents in the Nation: 1,211

		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									
PEDIATRIC	HERNIORRHAPHY, INGUINAL/UMBILICAL	0.8	2	27	13.4	9	73	14.2	9	83
	REP BRANCHIAL CLEFT ANOM/THYRO DUCT CYST	0.0	0	3	0.4	1	6	0.5	1	6
	REPAIR DEFORMITY CHEST WALL	0.0	0	4	0.5	1	16	0.6	1	17
	REPAIR DIAPHRAGMATIC HERNIA	0.0	0	1	0.3	1	4	0.3	1	4
	ANTIREFLUX PROCEDURE-OPEN (PEDS)	0.0	0	0	0.1	0	7	0.1	0	7
	ANTIREFLUX PROCEDURE-LAPAROSCOPIC (PEDS)	0.1	0	4	0.8	2	10	0.9	2	10
	REP ESOPH ATRESIA/TRACHEO-ESOPH FIST	0.0	0	2	0.2	1	3	0.2	1	3
	REP INTESTINAL ATRESIA/STENOSIS	0.1	1	6	1.1	2	16	1.2	2	16
	REPAIR PYLORIC STENOSIS	0.1	1	7	2.2	2	18	2.3	2	18
	OPERATION FOR MALROTATION/INTUSSUSCEPT	0.1	0	5	0.9	1	7	1.0	1	8
	PROC FOR MECONIUM ILEUS/NEC ENTEROCOLIT	0.0	0	3	0.3	1	6	0.3	1	6
	DEFIN OP FOR HIRSCHSPRUNGS/IMPERF ANUS	0.1	0	7	0.5	1	10	0.5	1	10
	EXC WILMs TUMOR/NEUROBLASTOMA	0.0	0	3	0.2	0	4	0.2	1	4
	REP OMPHALOCELE/GASTROSCHISIS	0.0	0	3	0.8	1	12	0.8	1	12
	REPAIR OF EXSTROPHY	0.0	0	0	0.0	0	2	0.0	0	2
	REPAIR EPI- AND HYPO-SPADIAS	0.0	0	3	0.2	1	13	0.2	1	13
	ORCHIOPEXY	0.1	0	6	1.1	2	11	1.2	2	11
	OTHER MAJOR PEDIATRIC	0.1	1	7	1.6	2	19	1.7	2	19
	Subtotal - PEDIATRIC	1.9	4	41	24.4	14	113	26.3	14	124

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 2016-2017
Residency Review Committee for Surgery
Report Date: September 12, 2017

[PAGE 14]

Number of Programs in the Nation: 251 Number of Residents in the Nation: 1,211

		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									
GENITO-URINARY	HYDROCELECTOMY	0.0	0	3	0.4	1	10	0.5	1	10
	CYSTOSTOMY	0.0	0	2	0.1	0	8	0.1	0	8
	CYSECTOMY	0.0	0	2	0.1	0	11	0.1	0	11
	NEPHRECTOMY (W/ DONOR NEPH SEE TRANSPLT)	0.4	1	8	1.2	2	18	1.6	2	19
	ILEAL URINARY CONDUIT	0.0	0	3	0.0	0	3	0.1	0	4
	OTHER MAJOR GENITO-URINARY	0.2	1	5	0.9	2	24	1.1	2	24
	OTHER MAJOR GENITO-URINARY - LAP BASIC	0.1	0	4	0.5	1	9	0.6	1	9
	OTHER MAJOR GENITO-URINARY - LAP COMPLEX	0.0	0	9	0.1	1	12	0.1	1	15
	Subtotal - GENITO-URINARY	0.8	1	15	3.3	4	34	4.1	4	47
GYNECOLOGY	HYSTERECTOMY (ALL)	0.1	0	7	0.4	2	27	0.5	2	28
	SALPINGO-OOPHORECTOMY	0.1	0	3	0.4	1	14	0.5	1	16
	OTHER MAJOR GYNECOLOGY	0.2	1	11	0.8	3	47	1.0	3	56
	OTHER MAJOR GYNECOLOGY - LAPAROSCOPIC	0.0	0	3	0.2	2	27	0.2	2	27
	Subtotal - GYNECOLOGY	0.4	1	18	1.8	6	83	2.2	6	85
PLASTIC	REPAIR CLEFT LIP/CLEFT PALATE	0.0	0	6	0.1	0	5	0.1	0	8
	MAJOR RECONSTRUCTIVE PROC	0.4	1	10	2.9	4	39	3.3	4	41
	SKIN-GRAFTING, NONBURN (ALL)	0.4	1	8	3.5	4	46	4.0	4	46
	COMPOSITE TISSUE TRANSFER	0.8	2	22	1.8	3	34	2.5	4	56
	BURN DEBRIDEMENT AND/OR GRAFTING	0.3	2	48	7.1	13	114	7.4	14	114
	REDUCTION AND STABILIZATION OF MAXILLOFACIAL FRACTURES	0.0	0	14	0.4	1	22	0.4	2	26
	OTHER MAJOR PLASTIC	0.8	2	21	4.9	6	56	5.7	7	56
	Subtotal - PLASTIC	2.7	4	57	20.6	19	174	23.4	21	186

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 2016-2017
Residency Review Committee for Surgery
Report Date: September 12, 2017

[PAGE 15]

Number of Programs in the Nation: 251 Number of Residents in the Nation: 1,211

		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									
NERVOUS SYSTEM	CRANIAL DECOMPRESSION/EXPLORATION	0.0	0	1	0.0	0	6	0.0	0	6
	OTHER MAJOR NERVOUS SYSTEM	0.0	0	1	0.0	0	2	0.0	0	2
	Subtotal - NERVOUS SYSTEM	0.0	0	1	0.0	0	6	0.0	0	6
ORTHOPAEDICS	ARTHROSCOPY	0.0	0	2	0.1	1	25	0.1	1	25
	OPEN REDUCTION OF OPEN/CLOSED FRACTURE	0.0	0	4	0.2	1	18	0.2	1	20
	CLOSED REDUCTION OF FRACTURE	0.0	0	8	0.3	2	37	0.3	2	38
	OTHER MAJOR ORTHOPAEDICS	0.1	0	5	0.5	1	21	0.6	1	22
	Subtotal - ORTHOPAEDICS	0.1	1	13	1.1	4	76	1.3	4	80
ORGAN TRANSPLANT	LIVER TRANSPLANT	0.2	1	12	1.0	2	23	1.2	3	33
	RENAL TRANSPLANT	0.7	2	24	5.3	7	77	6.0	7	77
	PANCREAS TRANSPLANT	0.0	0	3	0.2	1	5	0.2	1	5
	DONOR NEPHRECTOMY	0.1	1	8	1.3	3	45	1.5	3	45
	DONOR HEPATECTOMY	0.1	1	8	1.1	2	24	1.3	2	24
	EN BLOC ABD ORGAN RETRIEVAL	0.0	0	3	0.1	1	10	0.2	1	10
	OTHER MAJOR ORGAN TRANSPLANT	0.0	0	4	0.3	1	10	0.3	1	10
	Subtotal - ORGAN TRANSPLANT	1.2	3	24	9.4	11	94	10.6	12	100

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 2016-2017
Residency Review Committee for Surgery
Report Date: September 12, 2017

[PAGE 16]

Number of Programs in the Nation: 251 Number of Residents in the Nation: 1,211

		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	4	0.2	1	12	0.2	1	12
	ESOPH TRAUMA-CLOSURE/RESECT/EXCLUSION	0.0	0	2	0.1	0	3	0.1	0	3
	GASTRIC TRAUMA-CLOSURE/RESECT/EXCLUSION	0.1	0	4	0.4	1	4	0.5	1	6
	DUODENAL TRAUMA-CLOSURE/RESECT/EXCLUSION	0.0	0	2	0.0	0	3	0.1	0	3
	SM BOWEL TRAUMA-CLOSURE/RESECT/EXCLUSION	0.4	1	11	1.2	2	12	1.7	2	21
	COLON TRAUMA-CLOSURE/RESECT/EXCLUSION	0.5	1	11	1.2	2	14	1.8	2	15
	NECK EXPLOR FOR TRAUMA	0.4	1	8	0.9	1	9	1.3	1	11
	EXPLOR THORACOTOMY - OPEN	0.6	1	20	1.8	2	26	2.4	3	28
	EXPLOR THORACOTOMY - THORACOSCOPIC	0.1	0	4	0.3	1	12	0.4	1	12
	EXPLOR LAPAROTOMY - OPEN	2.1	3	24	6.8	6	41	9.0	7	51
	EXPLOR LAPAROTOMY - LAPAROSCOPIC	0.2	1	4	0.1	0	7	0.3	1	7
	SPLENECTOMY/SPLENORRHAPHY-OPEN	0.6	1	12	1.5	2	12	2.1	2	15
	REPAIR/DRAINAGE HEPATIC LACS-OPEN	0.4	1	11	0.9	2	19	1.3	2	27
	HEPATIC RESECTION FOR INJURY	0.1	0	3	0.1	0	6	0.2	1	6
	DRAINAGE PANCREATIC INJURY	0.0	0	2	0.0	0	3	0.1	0	3
	RESECTION OF PANCREATIC INJURY	0.1	0	3	0.1	0	3	0.2	1	3
	CLOSED REDUCT OF FRACTURE	0.0	0	1	0.0	0	4	0.0	0	4
	DEBRIDE/SUTURE MAJOR WOUNDS	0.4	1	20	2.0	3	41	2.4	3	41
	REPAIR BLADDER INJURY	0.1	0	2	0.3	1	5	0.4	1	6
	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	5	0.3	1	5
	REP THORAC AORTA, INNOMINATE, SUBCLAVIAN	0.0	0	1	0.0	0	1	0.1	0	2
	REPAIR OF CAROTID OR OTHER MAJOR NECK VESSELS	0.0	0	4	0.0	0	1	0.0	0	4
	REPAIR OF ABDOMINAL AORTA OR VENA CAVA	0.0	0	4	0.1	0	3	0.1	0	4
	REP PERIPHERAL VESSELS	0.2	1	5	0.4	1	8	0.5	1	8
	FASCIOTOMY FOR INJURY	0.2	0	4	0.6	1	7	0.7	1	7
	REPAIR OTHER MAJOR VASC INJURY (TR1)	0.1	0	3	0.2	1	8	0.2	1	8
	MANAGEMENT CARDIAC INJURY	0.1	0	3	0.2	1	11	0.3	1	11
	OTHER MAJOR TRAUMA	0.8	1	12	2.7	3	41	3.5	3	44
	Subtotal - TRAUMA	7.7	9	89	22.3	16	121	30.0	19	134

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 2016-2017
Residency Review Committee for Surgery
Report Date: September 12, 2017

[PAGE 17] Number of Programs in the Nation: 251 Number of Residents in the Nation: 1,211

		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	11	0.4	1	19	0.5	2	19
	BRONCHOSCOPY	0.6	2	28	6.7	8	83	7.3	9	83
	SCLEROTHERAPY/BANDING ESOPH VARICES	0.0	0	2	0.0	0	2	0.0	0	2
	ESOPHAGO-GASTRO-DUODENOSCOPY	8.1	10	78	32.7	19	165	40.8	20	243
	PERCUTAN ENDO GASTROSTOMY (PEG)	1.8	3	29	9.6	10	69	11.5	11	75
	ERCP W/WO PAPILLOTOMY	0.1	1	10	0.3	1	18	0.4	2	18
	SIGMOIDOSCOPY, RIGID/FLEXIBLE	0.7	1	15	2.6	4	78	3.3	5	79
	FLEXIBLE COLONOSCOPY W/WO BX/POLYPECT	16.7	19	131	53.3	34	352	70.0	32	369
	CHOLEDOCHOSCOPY	0.0	0	1	0.0	0	2	0.0	0	2
	CYSTO/URETHROSCOPY	0.0	0	7	0.7	3	30	0.7	3	30
	OTHER ENDOSCOPY	0.3	1	11	1.0	2	15	1.3	2	15
	Subtotal - ENDOSCOPY (NOT MAJOR CRED)		28.3	27	167	107.4	52	465	135.7	51
MISCELLANEOUS (NOT FOR MAJOR CREDIT)	REMOVE SKIN MOLES, SMALL TUMORS, ETC	0.5	2	29	5.3	6	55	5.8	7	55
	REMOVAL SUBCUT SMALL TUMORS, CYSTS, FBs	0.3	1	11	2.7	3	25	3.0	3	28
	REPAIR MINOR WOUNDS AND GRAFTS	0.1	0	4	1.2	3	65	1.3	3	65
	BANDING/INCISION THROMBOSED HEMORRHOID	0.1	0	5	0.3	1	7	0.4	1	10
	ENDORECTAL ULTRASOUND [MISCELLANEOUS]	0.0	0	1	0.0	0	2	0.0	0	3
	OTHER PROCEDURES	5.2	7	63	56.7	64	1,303	61.9	67	1,351
	Subtotal - MISC (NOT MAJOR CRED)		6.1	7	67	66.2	68	1,336	72.3	71

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 2016-2017
Residency Review Committee for Surgery
Report Date: September 12, 2017

[PAGE 18] Number of Programs in the Nation: 251 Number of Residents in the Nation: 1,211

		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	8.8	19	195	37.0	46	518	45.7	48	518
	Subtotal - PATIENT CARE (NOT MAJOR CRED)	8.8	19	195	37.0	46	518	45.7	48	518
SURGICAL CRITICAL CARE PAT MGMNT	VENTILATORY MANAGEMENT	3.4	6	77	16.2	27	335	19.6	27	353
	BLEED (NON-TRAUMA) > 3 UNITS	1.4	2	26	3.9	7	145	5.3	7	145
	HEMODYNAMIC INSTABILITY	2.5	4	36	9.0	12	197	11.5	12	197
	ORGAN DYSFUNCTION	2.5	4	49	9.4	17	314	11.9	17	314
	DYSRHYTHMIAS	1.2	2	18	4.5	8	172	5.7	8	172
	INVASIVE LINE MANAGE/MONITORING	2.7	5	51	13.2	23	289	16.0	23	289
	PARENTERAL/ENTERAL NUTRITION	2.3	4	72	10.2	27	481	12.5	27	481
	Subtotal - CRITCARE PAT MAN (NOT MAJ CRED)	16.0	24	199	66.5	109	1,591	82.4	108	1,591
CRITICAL CARE (NOT FOR MAJOR CREDIT)	CRITICAL CARE OTHER	0.1	0	9	1.5	4	45	1.6	4	45
OPHTHALMOLOGY (NOT FOR MAJOR CREDIT)	OPHTHALMOLOGY	0.0	0	1	0.0	0	2	0.0	0	2

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 2016-2017
Residency Review Committee for Surgery
Report Date: September 12, 2017

[PAGE 19] Number of Programs in the Nation: 251 Number of Residents in the Nation: 1,211

		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	3	0.3	1	7	0.3	1	7
UROLOGY (NOT FOR MAJOR CREDIT)	UROLOGY	0.1	0	6	3.0	5	75	3.1	5	75
NEUROSURGERY (NOT FOR MAJOR CREDIT)	NEUROSURGERY	0.1	0	6	0.9	2	32	1.0	2	32
GYNECOLOGY (NOT FOR MAJOR CREDIT)	GYNECOLOGY	0.0	0	2	0.4	1	15	0.4	1	15
RADIOLOGY (NOT FOR MAJOR CREDIT)	RADIOLOGY	0.1	1	12	1.1	3	21	1.2	3	29
ULTRASOUND (NOT FOR MAJOR CREDIT)	MISCELLANEOUS ULTRASOUND	0.0	0	2	0.1	1	13	0.1	1	13
TRAUMA (NOT FOR MAJOR CREDIT)	OTHER TRAUMA	0.0	0	1	0.0	0	4	0.1	0	4
TOTAL FOR CREDIT	Major Operations	253.5	72	822	753.3	148	1,519	1,006.8	162	1,968
Non-Tracked Codes	Non-Tracked	3.4	5	47	15.4	14	143	18.8	16	147

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 2016-2017

Residency Review Committee for Surgery

Report Date: September 12, 2017

[PAGE 1] Number of Programs in the Nation: 251 Number of Residents in the Nation: 1,211																									
	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	5	8	10	13	18	31	39	46	56	71	1	2	3	5	7	0	0	1	2	4	38	49	58	67	84
HEAD/NECK	1	2	3	4	7	9	13	17	22	32	0	1	1	2	3	0	0	0	1	2	11	16	21	27	39
BREAST	1	3	6	10	19	29	44	54	65	82	0	0	1	1	3	0	0	1	3	10	38	49	61	74	93
ALIM TR-ESOPHAGUS	1	2	4	6	11	2	3	5	7	11	0	0	0	0	0	0	0	0	1	3	4	7	9	13	20
ALIM TR-STOMACH	5	8	11	17	29	10	15	19	26	42	0	0	1	1	2	0	0	1	2	5	17	25	32	42	64
ALIM TR-SMALL INT	7	9	11	15	20	13	18	21	25	33	1	1	2	2	4	0	0	1	1	3	21	29	33	39	50
ALIM TR-LARGE INT	25	35	41	49	65	62	81	94	109	133	5	6	9	12	16	0	2	3	6	13	97	118	139	157	181
ALIM TR-ANO-RECTAL	2	4	7	9	15	13	18	23	29	36	0	1	1	2	3	0	0	0	1	2	18	25	31	37	49
ABDOMEN-GENERAL	7	10	13	16	22	17	21	26	32	40	1	1	2	3	4	0	0	1	2	4	26	33	40	49	61
ABDOMEN-LIVER	1	2	4	6	9	2	3	4	5	9	0	0	0	0	0	0	0	0	1	1	5	7	8	12	16
ABDOMEN-BILIARY	18	26	33	39	56	56	74	89	106	136	4	6	9	11	17	0	1	3	6	15	83	104	121	143	177
ABDOMEN-PANCREAS	1	3	4	7	13	1	2	3	4	7	0	0	0	0	1	0	0	0	1	2	4	6	8	11	19
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	16	25	33	41	53	63	81	93	107	129	3	4	6	8	12	0	1	3	5	14	90	115	128	145	172
VASC - ANEURYSM REPAIR	0	0	1	2	5	1	2	4	6	9	0	0	0	0	0	0	0	0	1	2	2	3	5	8	13
VASC - CEREBROVASCULAR	0	1	2	4	9	2	4	6	10	16	0	0	0	0	0	0	0	0	1	2	3	6	9	14	20
VASC - PERIPH OBSTRUCTIVE	0	1	3	7	14	6	10	13	18	26	0	0	0	0	1	0	0	0	1	3	8	13	18	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	1	1	1
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	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	3	0	0	0	0	0	0	0	0	0	0	1	2	2	3	5
VASC - VENOUS	0	0	0	1	4	2	4	7	10	17	0	0	0	0	0	0	0	0	1	3	5	8	11	19	
VASC - MISCELLANEOUS VASCULAR	0	1	1	2	3	3	4	5	6	8	0	0	0	0	1	0	0	0	0	1	3	5	6	7	10
VASC - VASCULAR ACCESS	0	1	3	6	13	11	18	25	33	44	0	0	0	0	1	0	0	0	1	4	15	23	30	39	53
ENDOCRINE	3	5	8	12	22	7	12	17	24	41	0	0	0	0	1	0	0	1	1	4	13	20	27	38	56
HAND	0	0	0	0	1	0	1	1	2	7	0	0	0	0	0	0	0	0	0	0	0	1	1	2	7
THORACIC	1	2	4	7	18	16	22	27	35	52	0	0	0	0	1	0	1	2	3	9	21	27	33	42	60
PEDIATRIC	0	0	1	2	5	13	19	22	26	38	0	0	0	0	1	0	0	0	1	4	15	20	24	29	40
GENITO-URINARY	0	0	1	1	2	1	2	3	4	7	0	0	0	0	0	0	0	0	0	1	1	2	3	5	8

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 2016-2017

Residency Review Committee for Surgery

Report Date: September 12, 2017

[PAGE 2]

Number of Programs in the Nation: 251 Number of Residents in the Nation: 1,211

	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	0	1	0	1	1	1	4	0	0	0	0	0	0	0	0	0	0	0	1	1	2	5
PLASTIC	1	1	2	3	6	8	12	17	22	37	0	0	1	1	2	0	0	0	1	3	10	15	19	25	44
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	1	0	0	1	1	3	
ORGAN TRANSPLANT	0	0	0	0	3	1	4	6	10	18	0	0	0	0	0	0	0	1	2	2	4	7	11	20	
TRAUMA	1	3	6	8	16	10	15	18	25	39	0	1	1	2	4	0	0	0	1	2	15	19	24	32	51
ENDOSCOPY (NOT FOR MAJOR CREDIT)	6	14	24	39	58	58	83	105	122	165	0	0	1	2	3	0	0	0	1	4	101	113	124	142	192
MISCELLANEOUS (NOT FOR MAJOR CREDIT)	1	3	5	8	13	28	42	57	73	111	0	1	2	3	6	0	0	1	3	7	30	48	64	82	124
PATIENT CARE (NOT FOR MAJOR CREDIT)	0	1	5	11	20	14	22	29	39	75	0	0	0	0	0	0	0	0	0	0	23	28	34	48	90
SURGICAL CRITICAL CARE PAT MGMNT	1	7	13	19	35	12	31	48	68	110	0	0	0	0	1	0	0	0	0	0	33	47	65	85	125
CRITICAL CARE (NOT FOR MAJOR CREDIT)	0	0	0	0	0	0	0	1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4
OPHTHALMOLOGY (NOT FOR MAJOR CREDIT)	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
OTOLARYNGOLOGY (NOT FOR MAJOR CREDIT)	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
UROLOGY (NOT FOR MAJOR CREDIT)	0	0	0	0	0	0	1	2	4	8	0	0	0	0	0	0	0	0	0	1	0	1	2	4	8
NEUROSURGERY (NOT FOR MAJOR CREDIT)	0	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
GYNECOLOGY (NOT FOR MAJOR CREDIT)	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
RADIOLOGY (NOT FOR MAJOR CREDIT)	0	0	0	0	0	0	0	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3
UTRASOUND (NOT FOR MAJOR CREDIT)	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
TRAUMA (NOT FOR MAJOR CREDIT)	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
TOTAL FOR CREDIT	196	221	252	277	323	627	688	742	802	898	30	37	43	52	65	4	12	27	51	111	867	932	993	1,063	1,171

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