



Accreditation Council for Graduate Medical Education

Hand Surgery Case Logs

National Data Report

Prepared by: Department of Applications and Data Analysis

I. National Resident Statistics Main Table

A. This 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 are broken out by patient type (adult, pediatric, and all).

B. Descriptive statistics have been carefully chosen to provide the most useful information for judging performance at that 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 the set of data.

iii. "Natl Res MIN" - The minimum value among procedure counts in the nation.

iv. "Natl Res MED" - The median value among procedure counts in the nation.

v. "Natl Res MAX" - The maximum value seen among procedure counts in the nation.

II. National Benchmark Report for Resident Statistics

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

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.

HAND SURGERY: NATIONAL RESIDENT REPORT (Main Table)
Reporting Period: Total Experience of Residents Completing Programs in 2016-2017
Residency Review Committee for Orthopaedic Surgery
Report Date: June 19, 2018

[PART 1] Programs in the Nation: 64 Residents in the Nation: 146

		All Patients					Adult Only					Pediatric Only				
		Natl Res AVE	Natl Res STD	Natl Res MIN	Natl Res MED	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MIN	Natl Res MED	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MIN	Natl Res MED	Natl Res MAX
RRC Area	RRC Procedure															
HAND SURGERY	Wound I&D fasciotomy/wound preparation	53.9	35.4	3	45	175	51.4	34.3	3	44	173	2.4	2.8	0	2	12
	Wound closure without graft	7.3	10.6	0	4	62	6.9	10.2	0	3	61	0.4	0.9	0	0	6
	Wound closure with graft	8.6	7.5	0	6	36	7.7	6.9	0	6	34	0.9	1.7	0	0	10
	Wound reconstruction with flap	11.5	8.4	0	11	46	9.3	6.7	0	9	35	2.2	3.7	0	1	24
	Amputation	16.7	12.3	0	13	74	15.6	11.7	0	12	73	1.1	2.1	0	0	15
	Tendon/muscle	73.2	36.4	11	64	189	67.0	34.0	11	57	185	6.2	9.0	0	3	67
	Nerve injury	35.5	21.6	3	30	101	32.5	19.9	3	28	101	3.0	5.7	0	1	44
	Hand fractures/dislocation/ligament injury	58.3	22.3	12	55	143	53.0	20.1	11	48	132	5.2	6.6	0	3	51
	Wrist fracture/dislocation	50.8	18.6	20	49	120	48.8	18.3	19	47	111	2.0	2.4	0	1	15
	Forearm & proximal fracture/dislocation	20.0	11.9	2	18	75	17.9	11.5	1	16	75	2.1	3.1	0	1	15
	Hand reconstruction, releases, etc.	62.3	24.6	11	60	135	58.6	24.2	11	57	126	3.6	4.7	0	2	26
	Wrist reconstruction, releases, arthrodesis, etc.	34.9	19.9	10	32	195	32.8	18.8	8	29	174	2.1	2.9	0	1	21
	Forearm/elbow/shoulder reconstruction, releases	17.1	18.7	0	12	124	16.3	18.6	0	11	124	0.8	1.7	0	0	10
	Dupuytren's	18.3	10.6	0	17	53	18.1	10.5	0	17	53	0.3	0.7	0	0	4
	Nerve decompression	154.5	61.4	47	144	420	151.2	59.9	47	144	404	3.3	4.1	0	2	21
	Decompression of tendon sheath/synovectomy/ganglions	109.5	51.8	25	95	318	104.6	51.9	23	90	318	4.9	6.5	0	2	34
	Vascular repair/reconstruction/replantation/microvascular	14.4	13.1	0	11	68	13.7	12.6	0	10	62	0.7	1.4	0	0	10
	Congenital	9.9	10.0	0	7	68	2.0	3.6	0	1	20	7.9	9.7	0	5	67
	Tumor/osteomyelitis	27.1	13.7	0	26	101	24.5	13.4	0	23	98	2.5	3.4	0	1	21
	Total Hand Surgery	783.7	210.8	261	785	1,412	732.0	199.9	261	739	1,322	51.7	47.6	0	39	238

Statistics are based upon all procedures logged by residents.

HAND SURGERY: NATIONAL RESIDENT REPORT (Main Table)
Reporting Period: Total Experience of Residents Completing Programs in 2016-2017
Residency Review Committee for Orthopaedic Surgery
Report Date: June 19, 2018

[PART 2]		Programs in the Nation: 64					Residents in the Nation: 146									
		All Patients					Adult Only					Pediatric Only				
		Natl Res AVE	Natl Res STD	Natl Res MIN	Natl Res MED	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MIN	Natl Res MED	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MIN	Natl Res MED	Natl Res MAX
RRC Area	RRC Procedure															
ARTHROSCOPY	Shoulder	36.1	55.9	0	12	397	35.4	55.1	0	12	386	0.6	1.7	0	0	11
	Elbow	4.3	5.3	0	3	29	3.7	4.7	0	2	28	0.7	1.8	0	0	14
	Wrist	18.3	13.5	2	15	86	17.4	12.8	2	14	79	0.8	1.8	0	0	10
	Total Arthroscopy	58.7	62.2	2	37	414	56.5	60.6	2	34	402	2.1	4.5	0	0	31
OTHER	Nail surgery	6.7	5.7	0	5	34	5.9	5.3	0	5	27	0.7	1.3	0	0	8
	Bone/cartilage/fascia grafts	2.5	2.9	0	1	16	2.3	2.8	0	1	16	0.2	0.7	0	0	6
	Miscellaneous insertion or removal of devices	26.8	12.5	1	26	89	24.8	11.8	1	23	80	2.0	2.7	0	1	13
	Closed treatment of fractures and dislocations	6.4	9.9	0	3	78	5.5	8.7	0	3	77	0.9	2.4	0	0	19
	Total Other Procedures	42.3	19.9	9	40	124	38.5	18.0	9	35	117	3.8	4.8	0	2	24
ONCOLOGY	Total Oncology Cases	7.6	13.9	0	2	119	6.8	13.3	0	2	116	0.8	1.9	0	0	10
MICROSURGERIES	Total Microsurgeries	57.4	59.8	0	36	321	53.7	57.2	0	34	311	3.7	7.6	0	0	68
NON-TRACKED	Total Non-Trackable Codes	135.1	128.2	5	99	967	125.1	124.5	5	92	967	10.0	14.0	0	5	89

Statistics are based upon all procedures logged by residents.

HAND SURGERY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)
Reporting Period: Total Experience of Residents Completing Programs in 2016-2017
Residency Review Committee for Orthopaedic Surgery
Report Date: June 19, 2018

[PART 1] Programs in the Nation: 64 Residents in the Nation: 146

		All Patients					Adult Only					Pediatric Only				
		Resident Percentiles					Resident Percentiles					Resident Percentiles				
		10	30	50	70	90	10	30	50	70	90	10	30	50	70	90
RRC Area	RRC Procedure															
HAND SURGERY	Wound I&D fasciotomy/wound preparation	13	32	45	65	108	13	30	44	65	105	0	0	2	3	6
	Wound closure without graft	0	2	4	7	18	0	1	3	7	18	0	0	0	0	2
	Wound closure with graft	1	4	6	11	18	1	3	6	9	17	0	0	0	1	3
	Wound reconstruction with flap	2	6	11	15	23	2	4	9	13	19	0	0	1	2	5
	Amputation	4	9	13	21	33	3	8	12	20	32	0	0	0	1	3
	Tendon/muscle	34	48	64	89	128	30	45	57	84	118	0	1	3	7	16
	Nerve injury	13	22	30	42	66	13	20	28	39	60	0	0	1	3	7
	Hand fractures/dislocation/ligament injury	31	46	55	66	85	30	42	48	60	82	0	1	3	6	14
	Wrist fracture/dislocation	31	40	49	57	77	27	38	47	54	75	0	0	1	3	5
	Forearm & proximal fracture/dislocation	7	14	18	24	33	6	12	16	21	29	0	0	1	2	6
	Hand reconstruction, releases, etc.	34	46	60	74	93	30	43	57	69	89	0	1	2	4	10
	Wrist reconstruction, releases, arthrodesis, etc.	16	24	32	40	55	15	22	29	37	52	0	0	1	3	5
	Forearm/elbow/shoulder reconstruction, releases	2	6	12	19	37	2	6	11	18	36	0	0	0	1	3
	Dupuytren's	6	13	17	22	34	6	12	17	22	34	0	0	0	0	1
	Nerve decompression	82	112	144	186	233	81	110	144	181	230	0	0	2	4	9
	Decompression of tendon sheath/synovectomy/ganglions	54	79	95	132	169	49	75	90	127	169	0	1	2	5	13
	Vascular repair/reconstruction/replantation/microvascular	2	5	11	17	32	2	5	10	17	30	0	0	0	1	2
	Congenital	1	4	7	12	20	0	0	1	2	6	0	2	5	10	18
	Tumor/osteomyelitis	11	20	26	31	41	11	18	23	28	40	0	0	1	3	7
	Total Hand Surgery	523	671	785	911	1,033	485	623	739	831	985	3	23	39	60	107

Statistics are based upon all procedures logged by residents.

HAND SURGERY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)
Reporting Period: Total Experience of Residents Completing Programs in 2016-2017
Residency Review Committee for Orthopaedic Surgery
Report Date: June 19, 2018

[PART 2]		Programs in the Nation: 64					Residents in the Nation: 146									
		All Patients					Adult Only					Pediatric Only				
		Resident Percentiles					Resident Percentiles					Resident Percentiles				
		10	30	50	70	90	10	30	50	70	90	10	30	50	70	90
RRC Area	RRC Procedure															
ARTHROSCOPY	Shoulder	0	1	12	46	104	0	0	12	44	104	0	0	0	0	2
	Elbow	0	1	3	5	12	0	1	2	4	9	0	0	0	0	3
	Wrist	6	10	15	22	33	6	9	14	21	31	0	0	0	1	3
	Total Arthroscopy	9	18	37	80	137	8	17	34	78	132	0	0	0	2	6
OTHER	Nail surgery	2	3	5	8	13	1	3	5	6	13	0	0	0	1	3
	Bone/cartilage/fascia grafts	0	0	1	3	6	0	0	1	3	6	0	0	0	0	1
	Miscellaneous insertion or removal of devices	13	20	26	31	41	13	18	23	29	39	0	0	1	2	5
	Closed treatment of fractures and dislocations	0	2	3	7	13	0	1	3	6	12	0	0	0	1	2
	Total Other Procedures	21	31	40	49	64	19	27	35	44	61	0	1	2	4	9
ONCOLOGY	Total Oncology Cases	0	0	2	7	22	0	0	2	6	19	0	0	0	0	3
MICROSURGERIES	Total Microsurgeries	8	18	36	65	145	7	15	34	60	133	0	0	0	3	13
NON-TRACKED	Total Non-Track Codes	31	67	99	143	277	28	60	92	130	261	0	2	5	11	25

Statistics are based upon all procedures logged by residents.