



# Accreditation Council for Graduate Medical Education

## Hand Surgery (Orthopaedic Surgery) Case Logs

### National Data Report

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#### 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 (ORTHOPAEDIC SURGERY): NATIONAL RESIDENT REPORT (Main Table)**  
**Reporting Period: Total Experience of Residents Completing Programs in 2017-2018**  
**Residency Review Committee for Orthopaedic Surgery**  
**Report Date: September 20, 2018**

[PART 1 ]		Programs in the Nation: 66					Residents in the Nation: 152									
		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	55.4	41.9	4	45	206	52.4	39.8	4	42	197	3.0	3.6	0	2	20
	Wound closure without graft	7.3	10.1	0	4	66	6.9	9.5	0	4	60	0.5	1.0	0	0	6
	Wound closure with graft	8.7	9.7	0	5	55	7.6	8.7	0	4	49	1.0	2.2	0	0	16
	Wound reconstruction with flap	11.7	9.0	0	10	42	9.8	8.1	0	8	42	2.0	3.0	0	1	16
	Amputation	17.4	11.3	1	15	52	16.3	10.9	1	14	50	1.0	1.6	0	0	7
	Tendon/muscle	68.5	34.4	15	62	171	62.5	31.4	14	56	161	6.0	8.0	0	3	48
	Nerve injury	35.0	23.2	2	28	143	32.3	22.0	2	26	139	2.8	3.8	0	1	25
	Hand fractures/dislocation/ligament injury	58.6	23.2	10	56	121	53.1	22.1	10	51	114	5.5	6.1	0	4	46
	Wrist fracture/dislocation	52.8	23.1	15	49	162	50.6	22.7	13	45	162	2.2	2.1	0	2	11
	Forearm & proximal fracture/dislocation	20.2	12.0	0	19	70	17.5	11.3	0	15	69	2.6	3.2	0	2	19
	Hand reconstruction, releases, etc.	59.7	24.8	11	60	158	56.8	24.2	10	57	145	2.9	3.9	0	1	22
	Wrist reconstruction, releases, arthrodesis, etc.	31.1	13.7	9	29	84	29.3	13.7	6	26	84	1.8	2.4	0	1	18
	Forearm/elbow/shoulder reconstruction, releases	16.6	17.6	0	12	117	15.8	17.3	0	11	117	0.8	1.7	0	0	15
	Dupuytren's	17.9	9.9	0	15	52	17.4	9.6	0	15	52	0.4	1.4	0	0	14
	Nerve decompression	156.6	58.2	39	155	304	152.9	57.5	39	151	304	3.7	4.9	0	2	41
	Decompression of tendon sheath/synovectomy/ganglions	115.4	54.5	26	112	355	110.5	54.7	25	107	353	4.9	6.1	0	3	32
	Vascular repair/reconstruction/replantation/microvascular	15.4	13.9	0	11	67	14.5	13.3	0	10	66	0.9	1.8	0	0	13
	Congenital	8.8	8.5	0	7	63	1.5	2.4	0	0	13	7.3	8.4	0	6	60
	Tumor/osteomyelitis	25.3	10.6	3	26	55	23.0	10.5	0	22	51	2.4	3.0	0	2	21
	Total Hand Surgery	782.3	211.6	299	768	1,456	730.6	203.9	203	730	1,450	51.7	42.4	0	41	219

Statistics are based upon all procedures logged by residents.

# HAND SURGERY (ORTHOPAEDIC SURGERY): NATIONAL RESIDENT REPORT (Main Table)

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

Residency Review Committee for Orthopaedic Surgery

Report Date: September 20, 2018

[PART 2]		Programs in the Nation: 66					Residents in the Nation: 152									
		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	31.0	49.8	0	12	327	30.6	49.4	0	11	324	0.4	1.0	0	0	7
	Elbow	4.4	5.4	0	3	34	3.7	5.0	0	2	34	0.7	1.8	0	0	12
	Wrist	16.5	11.6	0	14	61	15.8	11.5	0	14	61	0.6	1.2	0	0	6
	Total Arthroscopy	51.8	54.1	0	39	350	50.1	53.5	0	38	346	1.7	2.9	0	0	15
OTHER	Nail surgery	5.7	4.9	0	4	27	4.9	4.5	0	4	24	0.8	1.2	0	0	6
	Bone/cartilage/fascia grafts	2.6	3.2	0	1	22	2.2	2.8	0	1	20	0.3	0.9	0	0	7
	Miscellaneous insertion or removal of devices	26.2	13.9	0	24	90	24.3	13.3	0	23	87	1.9	2.5	0	1	16
	Closed treatment of fractures and dislocations	7.1	9.6	0	4	80	5.6	7.3	0	3	51	1.5	3.1	0	0	29
	Total Other Procedures	41.5	19.7	10	39	109	37.0	17.7	5	37	98	4.5	4.9	0	3	34
ONCOLOGY	Total Oncology Cases	8.4	14.1	0	3	83	7.2	12.9	0	3	81	1.1	3.1	0	0	28
MICROSURGERIES	Total Microsurgeries	58.0	64.9	0	33	441	52.5	58.5	0	32	381	5.6	10.4	0	1	63
NON-TRACKED	Total Non-Trackable Codes	120.9	111.4	8	92	693	111.9	105.6	2	82	669	9.1	11.5	0	6	85

Statistics are based upon all procedures logged by residents.

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# HAND SURGERY (ORTHOPAEDIC SURGERY): NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)

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

Residency Review Committee for Orthopaedic Surgery

Report Date: September 20, 2018

[PART 1 ]		Programs in the Nation: 66					Residents in the Nation: 152									
		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	28	45	66	119	12	26	42	63	115	0	1	2	4	8
	Wound closure without graft	0	2	4	8	18	0	2	4	8	16	0	0	0	0	1
	Wound closure with graft	1	3	5	9	22	1	3	4	8	17	0	0	0	1	3
	Wound reconstruction with flap	3	5	10	14	23	2	4	8	13	19	0	0	1	2	5
	Amputation	6	11	15	20	34	5	9	14	19	34	0	0	0	1	4
	Tendon/muscle	30	46	62	77	121	28	44	56	74	112	0	1	3	6	16
	Nerve injury	15	22	28	40	68	13	19	26	35	61	0	0	1	4	8
	Hand fractures/dislocation/ligament injury	31	44	56	69	93	28	40	51	63	82	0	2	4	6	13
	Wrist fracture/dislocation	28	39	49	62	82	27	38	45	59	78	0	1	2	3	5
	Forearm & proximal fracture/dislocation	7	13	19	23	38	6	11	15	20	31	0	1	2	3	7
	Hand reconstruction, releases, etc.	32	44	60	71	91	31	43	57	66	91	0	0	1	3	8
	Wrist reconstruction, releases, arthrodesis, etc.	15	23	29	37	48	14	22	26	35	46	0	0	1	2	4
	Forearm/elbow/shoulder reconstruction, releases	2	6	12	20	35	1	5	11	19	34	0	0	0	1	3
	Dupuytren's	7	13	15	20	32	7	13	15	20	31	0	0	0	0	1
	Nerve decompression	79	128	155	183	236	77	123	151	179	231	0	1	2	4	10
	Decompression of tendon sheath/synovectomy/ganglions	54	82	112	135	176	48	76	107	131	174	0	1	3	6	13
	Vascular repair/reconstruction/replantation/microvascular	3	7	11	18	34	3	6	10	16	33	0	0	0	1	2
	Congenital	1	4	7	11	16	0	0	0	2	4	0	2	6	9	15
	Tumor/osteomyelitis	11	19	26	32	39	10	16	22	29	37	0	0	2	3	6
	Total Hand Surgery	527	685	768	881	1,071	468	631	730	819	988	9	26	41	61	101

Statistics are based upon all procedures logged by residents.

# HAND SURGERY (ORTHOPAEDIC SURGERY): NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)

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

Residency Review Committee for Orthopaedic Surgery

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[PART 2 ]		Programs in the Nation: 66					Residents in the Nation: 152									
		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	30	87	0	0	11	30	87	0	0	0	0	1
	Elbow	0	1	3	5	9	0	1	2	4	9	0	0	0	0	2
	Wrist	5	9	14	19	32	5	8	14	18	30	0	0	0	1	2
	Total Arthroscopy	9	16	39	62	117	8	15	38	58	113	0	0	0	2	6
OTHER	Nail surgery	1	3	4	7	12	1	2	4	6	12	0	0	0	1	2
	Bone/cartilage/fascia grafts	0	1	1	3	6	0	0	1	3	5	0	0	0	0	1
	Miscellaneous insertion or removal of devices	11	18	24	32	46	10	16	23	30	40	0	0	1	3	5
	Closed treatment of fractures and dislocations	0	2	4	7	18	0	1	3	6	14	0	0	0	1	4
	Total Other Procedures	18	30	39	48	67	15	26	37	45	60	0	1	3	6	10
ONCOLOGY	Total Oncology Cases	0	1	3	8	25	0	0	3	6	19	0	0	0	1	4
MICROSURGERIES	Total Microsurgeries	8	20	33	61	141	6	18	32	60	115	0	0	1	4	17
NON-TRACKED	Total Non-Trackable Codes	38	65	92	130	216	35	54	82	121	211	0	2	6	10	22

Statistics are based upon all procedures logged by residents.