



## 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.

**HAND SURGERY: NATIONAL RESIDENT REPORT (Main Table)**  
**Reporting Period: Total Experience of Residents Completing Programs in 2014-2015**  
**Residency Review Committee for Orthopaedic Surgery**  
**Report Date: September 30, 2015**

[PART 1 ]		Programs in the Nation: 65					Residents in the Nation: 140									
		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	50.4	34.6	4	42	220	47.9	33.4	4	42	215	2.5	3.6	0	1	22
	Wound closure without graft	7.6	10.4	0	4	54	7.2	10.0	0	4	51	0.4	1.0	0	0	6
	Wound closure with graft	8.2	8.0	0	6	51	7.2	7.5	0	5	51	1.0	2.1	0	0	11
	Wound reconstruction with flap	11.3	8.2	0	9	33	9.5	7.3	0	7	32	1.9	3.1	0	1	18
	Amputation	16.8	11.5	0	14	58	15.8	11.1	0	13	52	1.1	2.0	0	0	14
	Tendon/muscle	74.0	34.6	10	66	188	68.1	33.0	10	63	183	5.8	7.6	0	3	52
	Nerve injury	34.5	17.0	4	33	123	31.5	15.0	4	30	98	3.0	5.3	0	1	32
	Hand fractures/dislocation/ligament injury	57.8	22.8	5	55	123	53.1	22.3	5	49	123	4.8	5.6	0	4	43
	Wrist fracture/dislocation	49.6	19.1	7	49	110	47.8	19.0	7	46	106	1.8	2.2	0	1	12
	Forearm & proximal fracture/dislocation	19.1	11.9	2	16	56	17.2	11.4	1	15	56	2.0	3.4	0	1	27
	Hand reconstruction, releases, etc.	64.1	28.6	11	59	137	61.2	27.6	11	59	135	2.9	4.7	0	1	32
	Wrist reconstruction, releases, arthrodesis, etc.	36.5	18.0	4	33	95	34.6	17.6	4	31	91	1.9	2.7	0	1	15
	Forearm/elbow/shoulder reconstruction, releases	14.7	15.4	0	11	99	14.0	15.2	0	10	98	0.7	1.3	0	0	6
	Dupuytren's	16.2	11.3	0	14	61	16.0	11.4	0	14	61	0.2	0.5	0	0	3
	Nerve decompression	146.1	64.0	20	142	314	143.2	64.1	20	141	312	2.9	4.3	0	2	26
	Decompression of tendon sheath/synovectomy/ganglions	104.7	58.9	9	90	326	99.6	59.3	9	87	315	5.1	6.5	0	3	33
	Vascular repair/reconstruction/replantation/microvascular	16.0	12.2	0	13	59	15.0	11.9	0	12	55	0.9	2.2	0	0	16
	Congenital	9.5	8.0	0	8	36	2.2	3.4	0	1	22	7.3	8.1	0	6	35
	Tumor/osteomyelitis	24.6	12.4	1	22	64	22.5	11.9	1	20	60	2.1	3.1	0	1	20
	Total Hand Surgery	762.0	218.4	88	757	1,372	713.6	216.6	88	704	1,304	48.3	44.2	0	44	271

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 2014-2015**  
**Residency Review Committee for Orthopaedic Surgery**  
**Report Date: September 30, 2015**

[PART 2 ]		Programs in the Nation: 65					Residents in the Nation: 140									
		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	34.1	52.1	0	13	302	33.5	52.0	0	12	299	0.5	1.5	0	0	10
	Elbow	5.3	7.0	0	3	47	4.6	6.2	0	3	41	0.8	2.2	0	0	18
	Wrist	19.7	14.6	1	16	71	18.9	14.2	0	15	63	0.8	1.8	0	0	12
	Total Arthroscopy	59.1	58.1	1	39	339	57.0	57.6	0	37	336	2.1	4.6	0	0	34
OTHER	Nail surgery	6.8	7.3	0	5	40	5.8	6.2	0	4	36	1.1	2.0	0	0	10
	Bone/cartilage/fascia grafts	2.8	3.7	0	2	29	2.6	3.6	0	2	27	0.2	0.5	0	0	4
	Miscellaneous insertion or removal of devices	26.7	15.5	0	23	90	24.6	14.4	0	21	82	2.0	3.4	0	0	24
	Closed treatment of fractures and dislocations	7.1	10.3	0	3	70	5.7	8.8	0	2	70	1.3	3.1	0	0	21
	Total Other Procedures	43.4	24.5	0	38	137	38.8	21.4	0	34	124	4.6	6.7	0	2	36
ONCOLOGY	Total Oncology Cases	7.9	14.1	0	2	96	7.3	13.4	0	2	91	0.6	1.6	0	0	9
MICROSURGERIES	Total Microsurgeries	64.5	71.8	0	51	690	59.9	67.3	0	47	648	4.7	7.7	0	1	42
NON-TRACKED	Total Non-Track Codes	130.2	110.6	13	102	858	119.6	105.7	5	91	817	10.6	14.4	0	5	69

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 2014-2015**  
**Residency Review Committee for Orthopaedic Surgery**  
**Report Date: September 30, 2015**

[PART 1 ] Programs in the Nation: 65 Residents in the Nation: 140

		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	15	30	42	60	98	15	29	42	56	93	0	0	1	3	7
	Wound closure without graft	0	2	4	7	18	0	2	4	7	18	0	0	0	0	2
	Wound closure with graft	1	4	6	9	18	1	3	5	8	15	0	0	0	1	3
	Wound reconstruction with flap	2	6	9	16	24	2	5	7	12	21	0	0	1	2	5
	Amputation	5	9	14	21	34	5	9	13	20	32	0	0	0	1	3
	Tendon/muscle	35	52	66	88	117	31	47	63	78	109	0	1	3	8	15
	Nerve injury	16	25	33	41	53	13	24	30	37	48	0	0	1	3	7
	Hand fractures/dislocation/ligament injury	31	43	55	69	88	28	39	49	62	84	0	1	4	6	10
	Wrist fracture/dislocation	26	38	49	59	72	25	36	46	58	71	0	0	1	2	5
	Forearm & proximal fracture/dislocation	6	11	16	25	36	6	9	15	21	33	0	0	1	2	5
	Hand reconstruction, releases, etc.	30	48	59	76	99	29	42	59	74	95	0	0	1	3	9
	Wrist reconstruction, releases, arthrodesis, etc.	16	25	33	43	61	15	23	31	41	59	0	0	1	2	5
	Forearm/elbow/shoulder reconstruction, releases	1	7	11	18	32	1	6	10	16	30	0	0	0	1	2
	Dupuytren's	5	10	14	18	31	4	10	14	17	31	0	0	0	0	1
	Nerve decompression	68	107	142	179	229	68	101	141	178	226	0	0	2	3	8
	Decompression of tendon sheath/synovectomy/ganglions	41	65	90	129	184	35	61	87	122	182	0	1	3	6	13
	Vascular repair/reconstruction/replantation/microvascular	4	8	13	20	36	3	7	12	18	35	0	0	0	1	2
	Congenital	1	5	8	12	22	0	0	1	2	7	0	2	6	9	19
	Tumor/osteomyelitis	12	17	22	31	44	10	16	20	28	38	0	0	1	2	5
	Total Hand Surgery	491	638	757	860	1,033	452	597	704	818	984	0	21	44	64	101

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 2014-2015

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[PART 2 ]		Programs in the Nation: 65					Residents in the Nation: 140									
		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	13	35	97	0	1	12	35	97	0	0	0	0	2
	Elbow	0	1	3	6	13	0	1	3	5	10	0	0	0	0	2
	Wrist	6	11	16	23	40	5	11	15	21	39	0	0	0	1	3
	Total Arthroscopy	10	24	39	74	129	10	21	37	68	124	0	0	0	2	6
OTHER	Nail surgery	1	3	5	8	15	1	2	4	7	14	0	0	0	1	4
	Bone/cartilage/fascia grafts	0	1	2	4	7	0	1	2	3	6	0	0	0	0	1
	Miscellaneous insertion or removal of devices	12	19	23	30	48	11	17	21	28	41	0	0	0	2	6
	Closed treatment of fractures and dislocations	0	1	3	8	18	0	1	2	7	14	0	0	0	1	4
	Total Other Procedures	20	30	38	49	72	19	28	34	44	62	0	0	2	5	14
ONCOLOGY	Total Oncology Cases	0	1	2	6	23	0	0	2	6	21	0	0	0	0	2
MICROSURGERIES	Total Microsurgeries	10	27	51	77	126	8	26	47	72	117	0	0	1	5	15
NON-TRACKED	Total Non-Trackable Codes	44	80	102	143	254	40	70	91	128	244	0	1	5	10	31

Statistics are based upon all procedures logged by residents.