



Accreditation Council for Graduate Medical Education

Hand 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.

HAND SURGERY: NATIONAL RESIDENT REPORT (Main Table)
Reporting Period: Total Experience of Residents Completing Programs in 2015-2016
Residency Review Committee for Orthopaedic Surgery
Report Date: September 9, 2016

[PART 1]		Programs in the Nation: 67					Residents in the Nation: 147									
		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	51.6	36.0	0	42	168	49.3	34.8	0	40	161	2.3	3.4	0	1	21
	Wound closure without graft	7.7	11.6	0	4	85	7.3	10.8	0	4	73	0.4	1.3	0	0	12
	Wound closure with graft	9.1	10.0	0	8	94	8.2	9.8	0	6	94	0.9	1.2	0	0	6
	Wound reconstruction with flap	11.7	9.0	0	10	48	9.8	8.4	0	8	47	1.8	2.8	0	1	20
	Amputation	16.7	11.2	0	15	54	15.6	10.7	0	14	51	1.2	1.9	0	0	12
	Tendon/muscle	73.5	33.2	2	69	169	67.4	30.6	2	63	163	6.1	7.3	0	4	37
	Nerve injury	37.2	24.1	2	33	137	34.4	22.2	2	30	135	2.9	4.4	0	1	24
	Hand fractures/dislocation/ligament injury	57.3	22.4	1	58	121	52.7	21.9	1	52	112	4.6	5.2	0	3	30
	Wrist fracture/dislocation	49.0	20.2	3	49	122	47.1	20.1	2	47	122	1.9	2.1	0	1	8
	Forearm & proximal fracture/dislocation	20.2	12.1	2	18	65	18.2	11.6	1	16	65	1.9	2.5	0	1	15
	Hand reconstruction, releases, etc.	61.7	28.5	2	60	187	58.6	27.7	2	58	187	3.1	4.0	0	2	25
	Wrist reconstruction, releases, arthrodesis, etc.	33.4	18.4	4	29	138	31.7	17.8	4	28	130	1.7	2.1	0	1	10
	Forearm/elbow/shoulder reconstruction, releases	15.3	14.9	0	10	99	14.6	14.8	0	10	99	0.7	1.3	0	0	7
	Dupuytren's	15.7	9.2	1	14	43	15.5	9.2	1	14	43	0.3	0.9	0	0	6
	Nerve decompression	143.7	63.5	21	141	377	141.0	62.8	19	138	377	2.7	3.4	0	2	18
	Decompression of tendon sheath/synovectomy/ganglions	103.8	60.8	19	92	477	99.1	60.6	19	88	475	4.7	6.2	0	2	30
	Vascular repair/reconstruction/replantation/microvascular	14.9	14.1	0	11	79	14.3	14.0	0	11	78	0.6	1.1	0	0	5
	Congenital	9.0	7.8	0	7	51	2.1	3.6	0	1	22	6.9	7.6	0	5	50
	Tumor/osteomyelitis	25.2	13.6	3	23	85	22.8	13.5	1	21	85	2.5	3.2	0	2	18
	Total Hand Surgery	756.8	232.4	104	748	1,450	709.6	227.6	87	708	1,428	47.2	37.5	0	41	180

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 2015-2016
Residency Review Committee for Orthopaedic Surgery
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[PART 2]		Programs in the Nation: 67					Residents in the Nation: 147									
		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	25.4	38.8	0	7	300	24.9	38.3	0	7	298	0.5	2.1	0	0	22
	Elbow	4.6	5.6	0	3	36	4.0	5.1	0	2	34	0.6	1.7	0	0	15
	Wrist	17.3	12.1	0	15	71	16.5	12.0	0	14	71	0.7	1.4	0	0	8
	Total Arthroscopy	47.3	43.8	0	30	336	45.4	42.9	0	29	331	1.9	3.7	0	1	25
OTHER	Nail surgery	6.9	6.1	0	4	32	5.8	5.4	0	4	29	1.0	2.1	0	0	15
	Bone/cartilage/fascia grafts	2.9	3.4	0	2	18	2.7	3.3	0	2	18	0.2	0.6	0	0	4
	Miscellaneous insertion or removal of devices	26.4	13.8	1	24	88	24.7	13.5	0	23	84	1.7	2.1	0	1	9
	Closed treatment of fractures and dislocations	7.0	9.5	0	4	59	5.7	8.2	0	3	59	1.3	2.8	0	0	22
	Total Other Procedures	43.1	21.5	1	39	111	38.9	19.8	1	35	103	4.2	5.0	0	3	26
ONCOLOGY	Total Oncology Cases	6.4	12.1	0	2	93	5.6	11.3	0	2	88	0.8	1.8	0	0	11
MICROSURGERIES	Total Microsurgeries	55.8	45.7	0	45	194	52.4	44.0	0	43	194	3.4	5.7	0	0	28
NON-TRACKED	Total Non-Trackable Codes	146.5	177.6	9	94	1,123	135.9	170.5	7	90	1,067	10.6	13.1	0	6	74

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 2015-2016

Residency Review Committee for Orthopaedic Surgery

Report Date: September 9, 2016

[PART 1]		Programs in the Nation: 67 Residents in the Nation: 147														
		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	12	30	42	65	103	11	30	40	62	99	0	0	1	3	7
	Wound closure without graft	0	2	4	8	20	0	1	4	8	18	0	0	0	0	1
	Wound closure with graft	1	4	8	11	20	1	3	6	10	18	0	0	0	1	3
	Wound reconstruction with flap	2	5	10	15	22	2	4	8	13	20	0	0	1	2	6
	Amputation	4	10	15	20	33	4	9	14	19	29	0	0	0	2	4
	Tendon/muscle	33	54	69	88	123	33	48	63	79	110	0	1	4	7	17
	Nerve injury	12	24	33	43	65	12	22	30	39	61	0	0	1	3	9
	Hand fractures/dislocation/ligament injury	30	45	58	66	86	26	39	52	62	83	0	1	3	6	12
	Wrist fracture/dislocation	25	38	49	59	75	23	36	47	57	73	0	0	1	2	5
	Forearm & proximal fracture/dislocation	7	12	18	25	36	6	11	16	22	34	0	0	1	2	6
	Hand reconstruction, releases, etc.	28	45	60	74	98	27	43	58	70	93	0	0	2	4	8
	Wrist reconstruction, releases, arthrodesis, etc.	14	23	29	39	56	14	20	28	38	54	0	0	1	2	5
	Forearm/elbow/shoulder reconstruction, releases	2	6	10	17	36	2	6	10	17	33	0	0	0	1	3
	Dupuytren's	5	10	14	20	27	5	10	14	20	27	0	0	0	0	1
	Nerve decompression	71	97	141	177	221	69	97	138	174	216	0	1	2	3	6
	Decompression of tendon sheath/synovectomy/ganglions	41	64	92	127	178	40	60	88	125	169	0	1	2	5	12
	Vascular repair/reconstruction/replantation/microvascular	2	6	11	18	36	1	6	11	17	35	0	0	0	1	2
	Congenital	2	5	7	10	19	0	0	1	2	6	0	3	5	8	14
	Tumor/osteomyelitis	9	17	23	31	44	8	15	21	28	40	0	0	2	3	6
	Total Hand Surgery	482	639	748	864	1,055	450	583	708	806	1,008	2	23	41	58	99

Statistics are based upon all procedures logged by residents.

HAND SURGERY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)

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[PART 2]		Programs in the Nation: 67					Residents in the Nation: 147									
		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	0	7	33	75	0	0	7	29	72	0	0	0	0	2
	Elbow	0	1	3	5	11	0	1	2	4	10	0	0	0	0	2
	Wrist	5	10	15	20	29	5	10	14	20	28	0	0	0	1	2
	Total Arthroscopy	10	20	30	58	98	10	19	29	55	94	0	0	1	2	5
OTHER	Nail surgery	1	3	4	8	17	1	3	4	7	12	0	0	0	1	3
	Bone/cartilage/fascia grafts	0	1	2	3	8	0	1	2	3	7	0	0	0	0	1
	Miscellaneous insertion or removal of devices	11	18	24	33	42	11	17	23	31	41	0	0	1	2	5
	Closed treatment of fractures and dislocations	1	2	4	7	15	0	2	3	6	14	0	0	0	1	4
	Total Other Procedures	21	33	39	49	68	19	27	35	45	61	0	1	3	4	11
ONCOLOGY	Total Oncology Cases	0	0	2	5	19	0	0	2	4	17	0	0	0	0	3
MICROSURGERIES	Total Microsurgeries	4	23	45	75	118	3	22	43	72	114	0	0	0	4	11
NON-TRACKED	Total Non-Tracked Codes	28	62	94	143	281	26	58	90	131	261	0	2	6	13	29

Statistics are based upon all procedures logged by residents.