



Accreditation Council for Graduate Medical Education

Hand Surgery Case Logs

National Data Report

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I. National Resident Report (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 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 2011-2012
Residency Review Committee for Orthopaedic Surgery
Report Date: November 8, 2012

[PART 1]

Programs in the Nation: 58 Residents in the Nation: 129

		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	48.8	36	0	40	181	45.9	35	0	37	171	3.0	3	0	2	15
	Wound closure without graft	7.0	8	0	4	43	6.4	8	0	4	40	0.6	1	0	0	5
	Wound closure with graft	10.7	15	0	7	93	9.4	13	0	6	81	1.3	2	0	1	16
	Wound reconstruction with flap	10.5	8	0	8	37	8.1	7	0	6	33	2.4	3	0	1	15
	Amputation	15.4	10	0	14	49	13.8	9	0	12	47	1.7	2	0	1	14
	Tendon/muscle	74.5	34	21	70	181	66.8	32	19	60	173	7.6	8	0	5	34
	Nerve injury	33.4	16	7	31	95	30.3	15	7	29	83	3.1	4	0	2	21
	Hand fractures/dislocation/ligament injury	52.7	22	13	50	172	47.6	21	11	45	157	5.2	5	0	4	35
	Wrist fracture/dislocation	41.9	17	8	39	106	40.1	17	8	38	106	1.9	2	0	1	11
	Forearm & proximal fracture/dislocation	16.6	10	2	16	49	14.6	10	1	13	49	2.0	3	0	1	16
	Hand reconstruction, releases, etc.	61.2	26	20	59	180	57.0	26	15	52	179	4.2	4	0	3	21
	Wrist reconstruction, releases, arthrodesis, etc.	38.3	24	6	33	201	35.9	24	6	30	187	2.5	3	0	2	14
	Forearm/elbow/shoulder reconstruction, releases	15.6	15	0	12	77	14.7	15	0	11	77	0.9	1	0	0	7
	Dupuytren's	14.2	12	0	11	82	13.9	12	0	11	77	0.3	1	0	0	7
	Nerve decompression	127.3	51	43	125	305	124.1	51	40	116	302	3.2	4	0	2	20
	Decompression of tendon sheath/synovectomy/ganglions	92.1	62	16	80	542	85.5	61	16	74	533	6.6	7	0	5	50
	Vascular repair/reconstruction/replantation/microvascular	15.8	13	0	12	65	14.8	13	0	11	65	1.1	2	0	1	8
	Congenital	10.1	9	0	8	51	0.9	1	0	0	6	9.2	9	0	7	47
	Tumor/osteomyelitis	24.9	12	1	21	76	21.7	12	1	19	69	3.1	4	0	2	19
	TOTAL - Hand Surgery	711.2	202	325	666	1,748	651.2	194	294	608	1,688	59.9	41	0	50	210

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[PART 2]		Programs in the Nation: 58					Residents in the Nation: 129									
		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	34.0	56	0	8	307	33.5	56	0	8	306	0.5	1	0	0	8
	Elbow	5.3	6	0	3	35	4.5	6	0	3	32	0.8	2	0	0	10
	Wrist	19.9	15	3	15	102	19.0	15	3	14	102	0.9	2	0	0	9
	TOTAL - Arthroscopy	59.2	63	3	36	343	57.1	63	3	34	339	2.2	4	0	1	24
Other Procedures	Nail surgery	6.0	5	0	5	34	5.2	5	0	4	28	0.8	1	0	0	8
	Bone/cartilage/fascia grafts	2.7	3	0	2	17	2.3	3	0	1	14	0.3	1	0	0	4
	Miscellaneous insertion or removal of devices	24.5	13	0	21	81	21.9	12	0	20	78	2.6	3	0	1	18
	Closed treatment of fractures and dislocations	4.6	6	0	2	30	3.5	4	0	2	19	1.1	2	0	0	13
	TOTAL - Other Procedures	37.7	20	4	33	116	32.9	17	2	29	107	4.8	5	0	3	31
Miscellaneous	TOTAL - Miscellaneous	116.7	96	10	101	552	102.9	87	5	90	487	13.9	16	0	8	69
Total Procedures	TOTAL - Procedures	924.9	271	482	878	1,962	844.1	257	325	802	1,784	80.8	59	0	67	295
Oncology Cases	TOTAL- Oncology	6.6	11	0	2	55	5.8	10	0	1	50	0.8	3	0	0	22
Microsurgery Procedures	TOTAL- Microsurgery	76.9	57	0	66	307	69.9	53	0	57	263	7.0	9	0	4	44

HAND SURGERY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)

Reporting Period: Total Experience of Residents Completing Programs in 2011-2012

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[PART 1] Programs in the Nation: 58 Residents in the Nation: 129

		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	14	24	40	58	105	12	23	37	56	101	0	1	2	3	8
	Wound closure without graft	0	1	4	8	18	0	1	4	7	17	0	0	0	1	2
	Wound closure with graft	1	5	7	10	20	1	3	6	9	19	0	0	1	2	4
	Wound reconstruction with flap	2	5	8	13	23	1	3	6	10	19	0	0	1	3	6
	Amputation	4	8	14	19	29	3	7	12	16	26	0	0	1	2	5
	Tendon/muscle	31	52	70	90	113	27	47	60	83	108	0	2	5	11	20
	Nerve injury	15	22	31	39	55	12	20	29	37	50	0	1	2	4	8
	Hand fractures/dislocation/ligament injury	28	40	50	63	80	24	37	45	53	75	0	2	4	6	11
	Wrist fracture/dislocation	23	32	39	47	65	21	30	38	45	65	0	0	1	2	5
	Forearm & proximal fracture/dislocation	5	9	16	20	32	4	8	13	17	29	0	0	1	2	6
	Hand reconstruction, releases, etc.	35	44	59	72	97	31	40	52	64	96	0	1	3	5	10
	Wrist reconstruction, releases, arthrodesis, etc.	17	26	33	40	68	16	25	30	39	64	0	1	2	3	6
	Forearm/elbow/shoulder reconstruction, releases	2	6	12	21	33	1	5	11	19	31	0	0	0	1	3
	Dupuytren's	3	8	11	16	27	3	7	11	16	27	0	0	0	0	1
	Nerve decompression	62	94	125	156	195	61	92	116	152	192	0	1	2	4	9
	Decompression of tendon sheath/synovectomy/ganglions	38	58	80	105	159	30	52	74	97	149	0	2	5	8	15
	Vascular repair/reconstruction/replantation/microvascular	3	7	12	20	31	2	7	11	20	30	0	0	1	1	3
	Congenital	1	4	8	12	23	0	0	0	1	3	1	3	7	11	22
	Tumor/osteomyelitis	12	18	21	29	44	10	15	19	24	40	0	1	2	4	8
	TOTAL - Hand Surgery	496	605	666	779	967	461	549	608	724	909	15	38	50	70	121

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		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	8	36	103	0	0	8	33	103	0	0	0	0	1
	Elbow	0	1	3	6	11	0	1	3	5	11	0	0	0	0	2
	Wrist	5	12	15	22	39	5	11	14	20	37	0	0	0	1	3
	TOTAL - Arthroscopy	11	20	36	69	131	10	20	34	66	125	0	0	1	2	6
Other Procedures	Nail surgery	1	3	5	7	12	0	2	4	6	11	0	0	0	1	2
	Bone/cartilage/fascia grafts	0	1	2	3	6	0	1	1	3	6	0	0	0	0	1
	Miscellaneous insertion or removal of devices	11	17	21	29	41	9	15	20	25	39	0	0	1	3	7
	Closed treatment of fractures and dislocations	0	1	2	5	13	0	1	2	4	11	0	0	0	1	3
	TOTAL - Other Procedures	17	26	33	46	63	15	23	29	40	54	0	2	3	5	13
Miscellaneous	TOTAL - Miscellaneous	32	69	101	129	191	29	60	90	114	170	1	4	8	16	37
Total Procedures	TOTAL - Procedures	636	764	878	1,017	1,224	563	691	802	950	1,138	23	50	67	96	169
Oncology Cases	TOTAL- Oncology	0	0	2	6	18	0	0	1	6	18	0	0	0	0	2
Microsurgery Procedures	TOTAL- Microsurgery	12	46	66	90	151	11	40	57	85	144	0	1	4	8	18