



Accreditation Council for Graduate Medical Education

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 is 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.

III. National Table for Resident Minimums Statistics

The table summarizes national resident experience in 13 defined categories and 2 procedure groups, and compares these to RRC required minimums (Min Req'd).

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.

ORTHOPAEDIC 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: August 14, 2017

[PART 1]		Programs in the Nation: 156					Residents in the Nation: 709									
		All Patients (Primary)					Adult (Primary)					Pediatric (Primary)				
		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															
Shoulder	Incision	1.8	2	0	1	19	1.6	2	0	1	19	0.2	1	0	0	12
	Excision	4.0	3	0	3	20	3.5	3	0	3	18	0.6	1	0	0	9
	Intro or Removal	0.5	1	0	0	27	0.5	1	0	0	27	0.0	0	0	0	2
	Repair/ Revisn/ Reconst	30.8	18	1	27	140	30.2	18	0	27	140	0.6	1	0	0	10
	Fracture and/or Dislocation	25.0	14	0	22	95	22.3	13	0	20	79	2.7	3	0	2	30
	Manipulation	5.5	5	0	4	43	4.8	5	0	4	38	0.6	1	0	0	16
	Arthrodesis	0.1	0	0	0	4	0.1	0	0	0	4	0.0	0	0	0	1
	Amputation	0.2	0	0	0	3	0.1	0	0	0	3	0.0	0	0	0	1
	Arthroscopy	75.4	38	20	67	311	73.4	38	18	66	305	1.9	3	0	1	27
	Other Procedures	0.2	1	0	0	9	0.1	1	0	0	9	0.0	0	0	0	2
	TOTAL-Shoulder	143.4	54	42	135	417	136.7	53	39	129	409	6.7	5	0	6	42
Humerus/Elbow	Incision	2.7	2	0	2	15	2.2	2	0	2	15	0.4	1	0	0	8
	Excision	5.2	4	0	5	37	4.4	3	0	4	37	0.8	1	0	0	7
	Intro or Removal	0.7	1	0	0	15	0.5	1	0	0	9	0.2	1	0	0	15
	Repair/ Revisn/ Reconst	11.8	7	0	11	46	11.0	6	0	10	43	0.8	1	0	0	15
	Fracture and/or Dislocation	54.7	20	17	52	210	25.9	11	0	24	89	28.8	15	4	26	157
	Manipulation	8.2	9	0	6	104	4.1	5	0	3	28	4.1	6	0	3	90
	Arthrodesis	0.0	0	0	0	2	0.0	0	0	0	2	0.0	0	0	0	1
	Amputation	0.4	1	0	0	5	0.4	1	0	0	5	0.0	0	0	0	1
	Arthroscopy	1.9	2	0	1	21	1.6	2	0	1	17	0.4	1	0	0	6
	Other Procedures	0.2	1	0	0	8	0.1	1	0	0	8	0.0	0	0	0	2
	TOTAL-Humerus/Elbow	85.8	27	20	81	275	50.2	18	4	48	134	35.6	17	5	33	175

Statistics are based upon primary credit role procedures logged by residents.

ORTHOPAEDIC 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: August 14, 2017

[PART 2]		Programs in the Nation: 156 Residents in the Nation: 709														
		All Patients (Primary)					Adult (Primary)					Pediatric (Primary)				
		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															
Forearm/Wrist	Incision	5.8	5	0	5	29	5.5	4	0	4	28	0.3	1	0	0	5
	Excision	10.5	6	0	9	45	9.3	6	0	8	45	1.2	1	0	1	8
	Intro or Removal	0.7	2	0	0	29	0.5	1	0	0	9	0.2	1	0	0	22
	Repair/ Revisn/ Reconst	13.0	9	0	11	60	11.6	8	0	10	59	1.3	2	0	1	14
	Fracture and/or Dislocation	50.7	23	4	47	156	40.7	19	2	38	136	10.0	9	0	8	82
	Manipulation	56.0	30	13	48	223	23.8	17	0	19	125	32.2	22	0	27	151
	Arthrodesis	1.8	2	0	1	11	1.6	2	0	1	11	0.1	0	0	0	4
	Amputation	0.4	1	0	0	5	0.4	1	0	0	5	0.0	0	0	0	2
	Arthroscopy	4.3	5	0	3	43	4.1	5	0	3	41	0.2	1	0	0	6
	Other Procedures	0.1	1	0	0	9	0.1	0	0	0	5	0.0	0	0	0	4
	TOTAL-Forearm/Wrist	143.3	44	42	137	354	97.8	35	13	94	260	45.5	24	3	40	168
Hand/Fingers	Incision	25.5	15	0	23	112	23.2	14	0	21	111	2.3	2	0	2	27
	Excision	13.6	9	0	11	60	12.6	9	0	10	56	1.0	1	0	1	6
	Intro or Removal	0.8	2	0	0	35	0.8	2	0	0	33	0.0	0	0	0	2
	Repair/ Revisn/ Reconst	16.3	9	0	15	65	13.3	8	0	12	58	3.0	3	0	2	16
	Fracture and/or Dislocation	22.7	13	0	20	102	18.1	11	0	16	95	4.6	5	0	3	31
	Manipulation	8.2	11	0	4	69	5.9	9	0	3	64	2.3	3	0	1	33
	Arthrodesis	2.7	3	0	2	18	2.7	3	0	2	18	0.1	0	0	0	4
	Amputation	5.7	5	0	4	35	5.1	5	0	4	35	0.6	1	0	0	7
	Other Procedures	0.5	1	0	0	14	0.4	1	0	0	13	0.1	0	0	0	4
		TOTAL-Hand/Fingers	96.0	39	12	90	236	82.0	36	8	76	213	14.0	9	0	13

Statistics are based upon primary credit role procedures logged by residents.

ORTHOPAEDIC 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: August 14, 2017

[PART 3]		Programs in the Nation: 156					Residents in the Nation: 709									
		All Patients (Primary)					Adult (Primary)					Pediatric (Primary)				
		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															
Pelvis/Hip	Incision	6.6	5	0	5	37	4.0	4	0	3	31	2.6	3	0	2	37
	Excision	3.0	3	0	2	20	2.7	3	0	2	18	0.4	1	0	0	6
	Intro or Removal	3.0	4	0	2	43	2.1	3	0	1	38	1.0	2	0	0	27
	Repair/ Revisn/ Reconst	109.9	46	33	104	350	102.2	45	31	95	318	7.7	6	0	6	40
	Fracture and/or Dislocation	84.3	34	31	76	276	81.1	33	30	73	268	3.2	3	0	3	24
	Manipulation	7.6	7	0	6	74	6.7	6	0	5	70	1.0	2	0	1	36
	Arthrodesis	0.3	1	0	0	13	0.3	1	0	0	13	0.0	0	0	0	1
	Amputation	0.5	1	0	0	6	0.4	1	0	0	6	0.0	0	0	0	2
	Arthroscopy	9.0	11	0	5	76	7.8	10	0	4	70	1.2	3	0	0	53
	Other Procedures	1.0	2	0	0	16	0.7	1	0	0	9	0.3	1	0	0	15
	TOTAL-Pelvis/Hip	225.3	68	78	216	625	207.9	66	70	198	574	17.4	10	0	16	88
Femur/Knee	Incision	8.9	7	0	7	51	7.4	6	0	6	50	1.5	2	0	1	18
	Excision	10.6	7	0	9	44	8.5	6	0	7	41	2.1	2	0	2	11
	Intro or Removal	1.1	3	0	0	30	0.7	2	0	0	27	0.4	1	0	0	12
	Repair/ Revisn/ Reconst	148.2	54	37	141	399	137.7	53	36	131	378	10.5	7	0	9	72
	Fracture and/or Dislocation	63.9	24	16	59	167	54.8	21	14	51	148	9.1	6	0	8	47
	Manipulation	8.7	7	0	7	65	6.1	6	0	5	54	2.6	3	0	2	22
	Arthrodesis	0.3	1	0	0	6	0.3	1	0	0	6	0.0	0	0	0	2
	Amputation	3.5	4	0	3	25	3.3	3	0	2	25	0.2	0	0	0	4
	Arthroscopy	115.2	51	40	105	420	101.2	48	26	91	418	14.1	11	0	12	70
	Other Procedures	0.5	1	0	0	15	0.3	1	0	0	10	0.1	1	0	0	6
	TOTAL-Femur/Knee	360.9	88	111	350	858	320.3	82	100	310	744	40.6	17	0	39	114

Statistics are based upon primary credit role procedures logged by residents.

ORTHOPAEDIC SURGERY : NATIONAL RESIDENT REPORT (Main Table)
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[PART 4]		Programs in the Nation: 156					Residents in the Nation: 709									
		All Patients (Primary)					Adult (Primary)					Pediatric (Primary)				
		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															
Leg/Ankle	Incision	10.7	7	0	9	67	6.4	6	0	5	62	4.3	4	0	3	25
	Excision	6.3	4	0	5	24	4.5	3	0	4	21	1.7	2	0	1	12
	Intro or Removal	0.1	0	0	0	6	0.0	0	0	0	6	0.0	0	0	0	3
	Repair/ Revisn/ Reconst	26.5	14	1	24	103	18.9	11	1	17	77	7.6	6	0	6	56
	Fracture and/or Dislocation	94.8	30	32	91	223	83.5	28	23	80	202	11.3	8	0	10	107
	Manipulation	20.6	18	0	16	106	15.7	15	0	11	100	5.0	5	0	4	65
	Arthrodesis	4.1	3	0	3	23	4.0	3	0	3	23	0.1	0	0	0	3
	Amputation	6.5	6	0	5	31	6.1	6	0	5	31	0.4	1	0	0	6
	Arthroscopy	6.0	5	0	5	31	5.5	5	0	4	28	0.5	1	0	0	5
	Other Procedures	1.0	2	0	0	17	0.8	1	0	0	15	0.1	1	0	0	9
	TOTAL-Leg/Ankle	176.5	47	55	170	388	145.4	42	48	140	333	31.0	13	4	29	114
Foot/Toes	Incision	3.3	5	0	2	100	2.7	5	0	2	99	0.5	1	0	0	6
	Excision	8.0	6	0	7	50	6.0	5	0	5	45	2.1	2	0	2	11
	Intro or Removal	1.2	10	0	0	256	0.9	9	0	0	251	0.3	1	0	0	5
	Repair/ Revisn/ Reconst	19.5	14	0	17	108	14.0	13	0	11	95	5.5	5	0	4	41
	Fracture and/or Dislocation	18.1	11	0	16	74	16.1	10	0	14	59	2.0	3	0	1	19
	Manipulation	1.9	3	0	1	17	1.6	2	0	1	14	0.3	1	0	0	11
	Arthrodesis	12.7	8	0	11	51	11.6	8	0	10	49	1.1	2	0	1	20
	Amputation	5.2	6	0	3	37	4.8	5	0	3	37	0.4	1	0	0	6
	Arthroscopy	0.2	1	0	0	9	0.2	1	0	0	8	0.0	0	0	0	1
	Other Procedures	0.2	1	0	0	7	0.1	0	0	0	6	0.1	0	0	0	5
	TOTAL-Foot/Toes	70.3	33	7	64	279	58.0	31	7	51	270	12.3	7	0	11	52

Statistics are based upon primary credit role procedures logged by residents.

ORTHOPAEDIC 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: August 14, 2017

[PART 5]		Programs in the Nation: 156					Residents in the Nation: 709									
		All Patients (Primary)					Adult (Primary)					Pediatric (Primary)				
		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															
Other Musculoskeletal	Incision	1.0	4	0	0	90	0.8	3	0	0	77	0.2	1	0	0	13
	Excision	7.0	8	0	4	83	5.7	7	0	3	73	1.3	2	0	1	16
	Intro or Removal	84.4	50	0	77	414	69.7	46	0	62	374	14.8	9	0	14	68
	Repair/ Revisn/ Reconst	0.0	0	0	0	1	0.0	0	0	0	1	0.0	0	0	0	1
	Fracture and/or Dislocation	0.1	0	0	0	5	0.1	0	0	0	5	0.0	0	0	0	2
	Arthroscopy	0.2	1	0	0	14	0.2	1	0	0	14	0.0	0	0	0	1
	Other Procedures	55.2	78	0	29	1,003	28.9	54	0	11	839	26.3	33	0	14	290
	TOTAL-Other Musclskel	147.9	106	1	121	1,042	105.4	82	0	84	868	42.5	35	0	33	292
Spine	Excision	1.0	5	0	0	106	0.6	4	0	0	101	0.4	1	0	0	14
	Fracture / Dislocation	4.3	9	0	1	73	4.0	9	0	1	73	0.3	1	0	0	10
	Decompression	25.7	21	0	21	214	25.3	21	0	20	211	0.4	1	0	0	10
	Osteotomy	0.1	0	0	0	4	0.1	0	0	0	4	0.0	0	0	0	3
	Arthrodesis/Anterior	10.4	9	0	8	79	10.2	9	0	8	79	0.1	0	0	0	5
	Arthrodesis/Posterior	17.4	17	0	13	229	16.3	16	0	12	195	1.2	3	0	0	41
	Arthrodesis/Deformity	10.4	9	0	8	74	3.2	5	0	1	39	7.2	7	0	6	54
	Exploration	0.4	1	0	0	11	0.3	1	0	0	11	0.1	0	0	0	6
	Instrumentation	7.7	10	0	5	106	4.9	9	0	2	101	2.8	4	0	1	25
	Other Procedures	1.0	2	0	0	18	0.4	1	0	0	18	0.7	2	0	0	14
TOTAL - Spine	78.5	52	16	67	564	65.3	50	8	54	545	13.2	10	0	11	68	

Statistics are based upon primary credit role procedures logged by residents.

ORTHOPAEDIC SURGERY : NATIONAL RESIDENT REPORT (Main Table)
Reporting Period: Total Experience of Residents Completing Programs in 2016-2017
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[PART 6]		Programs in the Nation: 156					Residents in the Nation: 709									
		All Patients (Primary)					Adult (Primary)					Pediatric (Primary)				
		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															
Integumentary System	Incision/Excision	43.6	32	0	39	206	37.6	28	0	34	181	6.0	6	0	5	48
	Repair (Closure)	5.8	7	0	4	65	4.9	7	0	3	61	0.9	1	0	0	11
	Skin Grafts	3.0	4	0	2	31	2.8	4	0	2	31	0.2	1	0	0	8
	Flaps	1.2	2	0	0	20	1.2	2	0	0	20	0.1	0	0	0	7
	Other Procedures	0.4	1	0	0	12	0.3	1	0	0	12	0.1	0	0	0	4
	TOTAL-Integumentary		54.0	36	0	50	247	46.7	33	0	43	225	7.3	6	0	6
Nervous System	Incision/Excision	0.8	2	0	0	26	0.8	2	0	0	26	0.0	0	0	0	2
	Neuroplasty	9.8	7	0	8	53	9.5	7	0	8	52	0.3	1	0	0	4
	Transection or Avulsion	0.2	1	0	0	6	0.2	1	0	0	6	0.0	0	0	0	1
	Neurorrhaphy	2.2	3	0	1	18	2.1	3	0	1	18	0.2	1	0	0	5
	Carpal Tunnel	42.0	23	10	36	133	41.7	23	9	36	132	0.3	1	0	0	7
	Other Procedures	0.1	0	0	0	10	0.0	0	0	0	3	0.0	0	0	0	7
	TOTAL-Nervous System		55.1	29	13	48	182	54.3	28	13	48	181	0.8	1	0	0
Oncology Cases	TOTAL-Oncology Cases	38.7	22	2	33	149	32.5	20	2	28	139	6.2	6	0	5	43
Microsurgeries	TOTAL-Microsurgeries	16.0	29	0	7	256	14.9	27	0	7	236	1.1	3	0	0	41
Reductions	Closed Reductions	114.1	66	26	100	503	66.5	49	2	54	327	47.6	31	1	41	348
	Open Simple	324.3	91	122	311	695	275.7	82	84	265	604	48.7	21	9	45	153
	Open Complex	47.5	22	4	44	152	43.9	21	4	40	147	3.5	3	0	3	21
Total Procedures	TOTAL-Credit Procedures	1,636.9	333	565	1,603	2,895	1,369.9	300	364	1,353	2,351	266.9	70	119	247	744

Statistics are based upon primary credit role procedures logged by residents.

ORTHOPAEDIC 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: August 14, 2017

[PART 1]		Programs in the Nation: 156					Residents in the Nation: 709									
		All Patients (Primary)					Adult (Primary)					Pediatric (Primary)				
		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															
Shoulder	Incision	0	0	1	2	4	0	0	1	2	4	0	0	0	0	1
	Excision	0	2	3	5	8	0	2	3	4	7	0	0	0	1	2
	Intro or Removal	0	0	0	1	2	0	0	0	0	2	0	0	0	0	0
	Repair/ Revisn/ Reconst	10	19	27	38	56	10	19	27	37	55	0	0	0	1	2
	Fracture and/or Dislocation	10	17	22	29	45	9	15	20	26	40	0	1	2	3	6
	Manipulation	1	2	4	6	12	0	2	4	6	11	0	0	0	1	2
	Arthrodesis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Amputation	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	Arthroscopy	35	53	67	85	128	35	52	66	84	125	0	0	1	2	5
	Other Procedures	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	TOTAL-Shoulder	81	113	135	163	216	76	107	129	156	209	2	4	6	8	13
Humerus/Elbow	Incision	0	1	2	3	6	0	1	2	3	5	0	0	0	1	1
	Excision	1	3	5	6	10	1	2	4	5	8	0	0	0	1	2
	Intro or Removal	0	0	0	1	2	0	0	0	1	2	0	0	0	0	1
	Repair/ Revisn/ Reconst	5	8	11	14	20	4	7	10	13	19	0	0	0	1	2
	Fracture and/or Dislocation	33	43	52	61	81	13	20	24	30	41	13	21	26	33	46
	Manipulation	1	4	6	10	18	0	1	3	5	10	0	1	3	5	9
	Arthrodesis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Amputation	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	Arthroscopy	0	0	1	2	5	0	0	1	2	4	0	0	0	0	1
	Other Procedures	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	TOTAL-Humerus/Elbow	57	71	81	96	122	30	41	48	57	73	19	26	33	40	57

Statistics are based upon primary credit role procedures logged by residents.

ORTHOPAEDIC SURGERY : NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)
Reporting Period: Total Experience of Residents Completing Programs in 2016-2017
Residency Review Committee for Orthopaedic Surgery
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[PART 2]		Programs in the Nation: 156					Residents in the Nation: 709									
		All Patients (Primary)					Adult (Primary)					Pediatric (Primary)				
		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															
Forearm/Wrist	Incision	1	3	5	7	12	1	3	4	7	12	0	0	0	0	1
	Excision	4	7	9	13	20	3	6	8	11	18	0	0	1	2	3
	Intro or Removal	0	0	0	1	2	0	0	0	1	2	0	0	0	0	1
	Repair/ Revisn/ Reconst	4	8	11	15	23	3	7	10	14	22	0	0	1	2	3
	Fracture and/or Dislocation	26	37	47	58	80	20	30	38	48	64	2	5	8	11	20
	Manipulation	26	37	48	66	95	6	13	19	28	49	12	19	27	38	60
	Arthrodesis	0	1	1	2	4	0	0	1	2	4	0	0	0	0	0
	Amputation	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	Arthroscopy	0	1	3	5	10	0	1	3	5	9	0	0	0	0	1
	Other Procedures	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL-Forearm/Wrist	93	119	137	157	202	56	77	94	113	143	23	32	40	51	78
Hand/Fingers	Incision	10	17	23	31	44	8	15	21	28	42	0	1	2	3	5
	Excision	4	8	11	17	26	4	7	10	16	24	0	0	1	1	3
	Intro or Removal	0	0	0	1	2	0	0	0	1	2	0	0	0	0	0
	Repair/ Revisn/ Reconst	6	11	15	20	28	4	9	12	16	24	0	1	2	4	7
	Fracture and/or Dislocation	8	14	20	27	39	6	12	16	22	32	0	2	3	6	10
	Manipulation	0	2	4	9	21	0	1	3	6	15	0	0	1	3	6
	Arthrodesis	0	1	2	3	6	0	1	2	3	6	0	0	0	0	0
	Amputation	1	3	4	7	12	1	2	4	6	11	0	0	0	1	2
	Other Procedures	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
		TOTAL-Hand/Fingers	52	72	90	111	147	42	60	76	95	129	4	9	13	17

Statistics are based upon primary credit role procedures logged by residents.

ORTHOPAEDIC SURGERY : NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)
Reporting Period: Total Experience of Residents Completing Programs in 2016-2017
Residency Review Committee for Orthopaedic Surgery
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[PART 3]		Programs in the Nation: 156					Residents in the Nation: 709									
		All Patients (Primary)					Adult (Primary)					Pediatric (Primary)				
		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															
Pelvis/Hip	Incision	1	4	5	8	13	0	2	3	5	9	0	1	2	3	6
	Excision	0	1	2	4	6	0	1	2	3	6	0	0	0	0	1
	Intro or Removal	0	1	2	4	6	0	1	1	2	5	0	0	0	1	3
	Repair/ Revisn/ Reconst	60	85	104	122	161	54	77	95	115	154	2	4	6	9	15
	Fracture and/or Dislocation	51	64	76	94	130	49	61	73	90	124	0	1	3	4	7
	Manipulation	1	4	6	9	15	1	3	5	8	14	0	0	1	1	2
	Arthrodesis	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	Amputation	0	0	0	1	2	0	0	0	1	1	0	0	0	0	0
	Arthroscopy	0	2	5	10	23	0	1	4	9	21	0	0	0	1	3
	Other Procedures	0	0	0	1	3	0	0	0	1	2	0	0	0	0	1
	TOTAL-Pelvis/Hip		148	186	216	251	314	133	169	198	232	295	7	12	16	21
Femur/Knee	Incision	2	5	7	11	18	1	4	6	9	15	0	0	1	2	4
	Excision	3	6	9	13	20	2	5	7	11	17	0	1	2	3	5
	Intro or Removal	0	0	0	1	3	0	0	0	1	2	0	0	0	0	1
	Repair/ Revisn/ Reconst	88	118	141	167	215	78	107	131	156	205	3	6	9	12	20
	Fracture and/or Dislocation	39	50	59	72	95	32	43	51	62	82	3	6	8	11	16
	Manipulation	2	4	7	10	18	1	3	5	7	13	0	1	2	3	6
	Arthrodesis	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	Amputation	0	1	3	4	7	0	1	2	4	7	0	0	0	0	1
	Arthroscopy	62	83	105	130	183	53	72	91	116	165	3	7	12	17	27
	Other Procedures	0	0	0	0	2	0	0	0	0	1	0	0	0	0	0
	TOTAL-Femur/Knee		257	311	350	403	474	226	276	310	358	428	20	31	39	48

Statistics are based upon primary credit role procedures logged by residents.

ORTHOPAEDIC 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: August 14, 2017

[PART 4]		Programs in the Nation: 156					Residents in the Nation: 709									
		All Patients (Primary)					Adult (Primary)					Pediatric (Primary)				
		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															
Leg/Ankle	Incision	4	7	9	13	19	1	3	5	7	13	0	2	3	5	10
	Excision	1	4	5	8	12	1	2	4	6	9	0	1	1	2	4
	Intro or Removal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Repair/ Revisn/ Reconst	12	18	24	31	43	7	12	17	22	33	2	4	6	9	15
	Fracture and/or Dislocation	60	77	91	104	135	51	67	80	93	120	4	7	10	13	19
	Manipulation	3	9	16	25	46	1	5	11	21	38	0	2	4	6	11
	Arthrodesis	1	2	3	5	8	1	2	3	5	8	0	0	0	0	0
	Amputation	1	3	5	8	14	0	2	5	8	13	0	0	0	0	1
	Arthroscopy	1	3	5	7	13	1	2	4	7	12	0	0	0	1	2
	Other Procedures	0	0	0	1	3	0	0	0	1	2	0	0	0	0	1
	TOTAL-Leg/Ankle	122	149	170	196	238	98	120	140	163	202	18	24	29	34	47
Foot/Toes	Incision	0	1	2	4	7	0	1	2	3	7	0	0	0	1	2
	Excision	2	5	7	9	16	1	3	5	7	13	0	1	2	3	5
	Intro or Removal	0	0	0	1	2	0	0	0	0	2	0	0	0	0	1
	Repair/ Revisn/ Reconst	6	12	17	23	35	3	7	11	16	27	1	3	4	7	11
	Fracture and/or Dislocation	7	12	16	22	31	6	10	14	19	28	0	1	1	2	5
	Manipulation	0	0	1	2	5	0	0	1	2	4	0	0	0	0	1
	Arthrodesis	4	7	11	15	24	3	6	10	14	23	0	0	1	1	3
	Amputation	0	2	3	6	13	0	1	3	6	12	0	0	0	0	1
	Arthroscopy	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	Other Procedures	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	TOTAL-Foot/Toes	35	52	64	81	111	26	41	51	67	94	5	8	11	15	21

Statistics are based upon primary credit role procedures logged by residents.

ORTHOPAEDIC SURGERY : NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)
Reporting Period: Total Experience of Residents Completing Programs in 2016-2017
Residency Review Committee for Orthopaedic Surgery
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[PART 5]		Programs in the Nation: 156					Residents in the Nation: 709									
		All Patients (Primary)					Adult (Primary)					Pediatric (Primary)				
		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															
Other Musculoskeletal	Incision	0	0	0	1	2	0	0	0	1	2	0	0	0	0	1
	Excision	1	2	4	8	16	0	2	3	6	13	0	0	1	2	3
	Intro or Removal	29	59	77	98	142	22	45	62	81	122	3	10	14	18	26
	Repair/ Revisn/ Reconst	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Fracture and/or Dislocation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Arthroscopy	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	Other Procedures	5	14	29	57	128	1	3	11	26	72	2	7	14	27	65
	TOTAL-Other Musclskel	57	93	121	159	273	35	63	84	117	198	13	24	33	47	82
Spine	Excision	0	0	0	1	2	0	0	0	0	1	0	0	0	0	1
	Fracture / Dislocation	0	0	1	3	12	0	0	1	2	11	0	0	0	0	1
	Decompression	7	14	21	29	48	7	14	20	29	48	0	0	0	0	1
	Osteotomy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Arthrodesis/Anterior	2	5	8	12	22	2	5	8	12	21	0	0	0	0	1
	Arthrodesis/Posterior	5	9	13	19	33	4	9	12	18	31	0	0	0	1	3
	Arthrodesis/Deformity	2	5	8	13	22	0	0	1	3	9	1	3	6	9	15
	Exploration	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1
	Instrumentation	0	2	5	8	16	0	1	2	4	11	0	0	1	3	7
	Other Procedures	0	0	0	1	3	0	0	0	0	1	0	0	0	0	2
TOTAL - Spine	34	51	67	85	130	24	41	54	73	113	3	7	11	16	25	

Statistics are based upon primary credit role procedures logged by residents.

ORTHOPAEDIC 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: August 14, 2017

[PART 6]		Programs in the Nation: 156					Residents in the Nation: 709									
		All Patients (Primary)					Adult (Primary)					Pediatric (Primary)				
		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															
Integumentary System	Incision/Excision	10	22	39	55	81	7	18	34	47	71	0	2	5	8	13
	Repair (Closure)	0	2	4	7	14	0	1	3	6	12	0	0	0	1	3
	Skin Grafts	0	1	2	4	8	0	0	2	3	7	0	0	0	0	1
	Flaps	0	0	0	1	4	0	0	0	1	3	0	0	0	0	0
	Other Procedures	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	TOTAL-Integumentary		14	31	50	66	98	11	25	43	58	86	1	3	6	10
Nervous System	Incision/Excision	0	0	0	1	2	0	0	0	1	2	0	0	0	0	0
	Neuroplasty	2	5	8	12	19	2	5	8	12	19	0	0	0	0	1
	Transection or Avulsion	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	Neurorrhaphy	0	1	1	3	6	0	0	1	3	5	0	0	0	0	1
	Carpal Tunnel	17	27	36	49	76	17	26	36	49	75	0	0	0	0	1
	Other Procedures	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL-Nervous System		25	37	48	65	96	25	36	48	64	95	0	0	0	1
Oncology Cases	TOTAL-Oncology Cases	15	24	33	46	69	12	20	28	38	60	1	3	5	7	14
Microsurgeries	TOTAL-Microsurgeries	0	3	7	15	36	0	2	7	14	33	0	0	0	1	3
Reductions	Closed Reductions	48	74	100	132	199	17	36	54	79	130	19	30	41	55	85
	Open Simple	219	270	311	358	447	181	228	265	309	383	26	37	45	54	76
	Open Complex	23	34	44	56	77	21	31	40	52	73	1	2	3	4	7
Total Procedures	TOTAL-Credit Procedures	1,248	1,473	1,603	1,771	2,074	1,012	1,218	1,353	1,487	1,769	206	225	247	278	359

Statistics are based upon primary credit role procedures logged by residents.

ORTHOPAEDIC SURGERY : NATIONAL REPORT (Minimums Table)
Reporting Period: Total Experience of Residents Completing Programs in 2016-2017
Residency Review Committee for Orthopaedic Surgery
Report Date: August 14, 2017

[PART 1]	Programs in the Nation: 156		Residents in the Nation: 709
	Natl Res AVE	Natl Prog AVE	Min Req'd
Defined Categories and Procedure Groups			
Knee Arthroscopy	85.3	87.1	30
Shoulder Arthroscopy	75.4	77.5	20
ACL Reconstruction	30.3	31.2	10
Total Hip Arthroplasty	93.5	92.9	30
Total Knee Arthroplasty	118.1	119.5	30
Hip Fractures	62.7	65.2	30
Carpal Tunnel Release	42.0	42.5	10
Spine Decompression/Fusion	42.4	41.8	15
Ankle Fracture Fixation	56.3	57.5	15
Closed Reduction Forearm/Wrist	55.9	55.2	20
Ankle/Hind/Mid Foot Arthro	12.8	12.8	5
Supracondylar Humerus Perc	19.4	19.4	5
Femur/Tibia Intramedullary Fix	56.2	57.5	25
Oncology Procedures	38.7	38.0	10
Pediatric Procedures	266.9	266.2	200

Statistics are based upon primary credit role procedures logged by residents.