



Accreditation Council for Graduate Medical Education

Musculoskeletal Oncology 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.

MUSCULOSKELETAL ONCOLOGY: NATIONAL RESIDENT REPORT (Main Table)

Reporting Period: Total Experience of Residents Completing Programs in 2010-2011

Residency Review Committee for Orthopaedic Surgery

Report Date: May 15, 2012

[PART 1]		Programs in the Nation: 7					Residents in the Nation: 10									
		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															
Shoulder	Incision	0.2	0	0	0	1	0.1	0	0	0	1	0.1	0	0	0	1
	Excision	14.9	6	9	12	26	13.3	6	8	10	24	1.6	2	0	1	5
	Intro or Removal	0.1	0	0	0	1	0.1	0	0	0	1	0.0	0	0	0	0
	Repair/Revision/Reconstruction	2.8	3	0	3	8	2.6	2	0	3	6	0.2	1	0	0	2
	Trauma	1.2	2	0	1	4	1.2	2	0	1	4	0.0	0	0	0	0
	--Fracture and/or Dislocation	1.1	1	0	1	4	1.1	1	0	1	4	0.0	0	0	0	0
	--Manipulation	0.1	0	0	0	1	0.1	0	0	0	1	0.0	0	0	0	0
	Arthrodesis	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0
	Amputation	1.2	1	0	1	4	1.2	1	0	1	4	0.0	0	0	0	0
	Arthroscopy	0.1	0	0	0	1	0.1	0	0	0	1	0.0	0	0	0	0
	Other	0.3	1	0	0	2	0.3	1	0	0	2	0.0	0	0	0	0
	TOTAL-Shoulder	20.8	9	10	19	40	18.9	7	9	18	32	1.9	2	0	1	8
Humerus/Elbow	Incision	0.3	1	0	0	2	0.3	1	0	0	2	0.0	0	0	0	0
	Excision	9.5	4	5	8	18	7.7	3	4	7	15	1.8	2	0	1	7
	Intro or Removal	0.2	0	0	0	1	0.2	0	0	0	1	0.0	0	0	0	0
	Repair/Revision/Reconstruction	1.6	2	0	1	5	1.6	2	0	1	5	0.0	0	0	0	0
	Trauma	4.3	5	0	3	15	4.2	4	0	3	14	0.1	0	0	0	1
	--Fracture and/or Dislocation	4.3	5	0	3	15	4.2	4	0	3	14	0.1	0	0	0	1
	--Manipulation	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0
	Arthrodesis	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0
	Amputation	0.2	0	0	0	1	0.2	0	0	0	1	0.0	0	0	0	0
	Arthroscopy	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0
	Other	0.7	1	0	1	3	0.5	1	0	1	1	0.2	1	0	0	2
	TOTAL-Humerus/Elbow	16.8	9	9	14	38	14.7	7	8	13	30	2.1	2	0	2	8

MUSCULOSKELETAL ONCOLOGY: NATIONAL RESIDENT REPORT (Main Table)

Reporting Period: Total Experience of Residents Completing Programs in 2010-2011

Residency Review Committee for Orthopaedic Surgery

Report Date: May 15, 2012

[PART 2]		Programs in the Nation: 7					Residents in the Nation: 10										
		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																
Forearm/Wrist	Incision	0.2	0	0	0	1	0.2	0	0	0	1	0.0	0	0	0	0	
	Excision	8.4	5	3	7	19	7.8	5	3	7	18	0.6	1	0	1	2	
	Intro or Removal	0.1	0	0	0	1	0.1	0	0	0	1	0.0	0	0	0	0	
	Repair/Revision/Reconstruction	1.0	2	0	0	7	1.0	2	0	0	7	0.0	0	0	0	0	
	Trauma	0.5	1	0	0	3	0.5	1	0	0	3	0.0	0	0	0	0	
	--Fracture and/or Dislocation	0.5	1	0	0	3	0.5	1	0	0	3	0.0	0	0	0	0	
	--Manipulation	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	
	Arthrodesis	0.1	0	0	0	1	0.1	0	0	0	1	0.0	0	0	0	0	
	Amputation	0.2	0	0	0	1	0.2	0	0	0	1	0.0	0	0	0	0	
	Arthroscopy	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	
	Other	0.2	0	0	0	1	0.2	0	0	0	1	0.0	0	0	0	0	
	TOTAL-Forearm/Wrist		10.7	8	4	9	30	10.1	8	4	9	29	0.6	1	0	1	2
Hand/Fingers	Incision	0.2	0	0	0	1	0.2	0	0	0	1	0.0	0	0	0	0	
	Excision	6.9	9	2	4	32	5.6	8	2	4	27	1.3	2	0	1	5	
	Intro or Removal	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	
	Repair/Revision/Reconstruction	0.5	2	0	0	5	0.5	2	0	0	5	0.0	0	0	0	0	
	Trauma	0.1	0	0	0	1	0.0	0	0	0	0	0.1	0	0	0	1	
	--Fracture and/or Dislocation	0.1	0	0	0	1	0.0	0	0	0	0	0.1	0	0	0	1	
	--Manipulation	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	
	Arthrodesis	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	
	Amputation	1.3	2	0	1	5	1.3	2	0	1	5	0.0	0	0	0	0	
	Other	0.3	1	0	0	2	0.1	0	0	0	1	0.2	1	0	0	2	
	TOTAL-Hand/Fingers		9.3	12	3	6	44	7.7	10	3	5	37	1.6	2	0	1	7

MUSCULOSKELETAL ONCOLOGY: NATIONAL RESIDENT REPORT (Main Table)

Reporting Period: Total Experience of Residents Completing Programs in 2010-2011

Residency Review Committee for Orthopaedic Surgery

Report Date: May 15, 2012

[PART 3]		Programs in the Nation: 7					Residents in the Nation: 10									
		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															
Pelvis/Hip	Incision	1.5	2	0	2	4	1.5	2	0	2	4	0.0	0	0	0	0
	Excision	18.9	8	7	21	32	17.8	8	6	20	29	1.1	1	0	1	3
	Intro or Removal	1.7	2	0	1	5	1.7	2	0	1	5	0.0	0	0	0	0
	Repair/Revision/Reconstruction	22.0	8	11	23	37	21.3	8	11	22	35	0.7	1	0	1	2
	Trauma	5.2	5	0	4	18	4.9	5	0	4	17	0.3	0	0	0	1
	--Fracture and/or Dislocation	5.2	5	0	4	18	4.9	5	0	4	17	0.3	0	0	0	1
	--Manipulation	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0
	Arthrodesis	0.2	1	0	0	2	0.2	1	0	0	2	0.0	0	0	0	0
	Amputation	2.6	2	0	2	6	2.2	2	0	2	5	0.4	1	0	0	2
	Other	1.8	3	0	1	9	1.7	3	0	1	8	0.1	0	0	0	1
	TOTAL-Pelvis/Hip	53.9	19	27	55	84	51.3	17	25	53	77	2.6	3	0	2	7
Femur/Knee	Incision	3.5	3	0	3	8	3.3	2	0	3	7	0.2	0	0	0	1
	Excision	51.1	13	34	48	78	44.1	12	33	40	67	7.0	4	1	8	12
	Intro or Removal	0.7	1	0	0	3	0.7	1	0	0	3	0.0	0	0	0	0
	Repair/Revision/Reconstruction	19.8	13	6	19	48	15.4	10	5	16	34	4.4	6	0	3	18
	Trauma	8.1	9	0	4	27	6.6	7	0	4	21	1.5	2	0	1	6
	--Fracture and/or Dislocation	6.9	7	0	4	24	6.1	7	0	4	20	0.8	1	0	0	4
	--Manipulation	1.2	2	0	1	4	0.5	1	0	0	2	0.7	1	0	0	3
	Arthrodesis	0.1	0	0	0	1	0.1	0	0	0	1	0.0	0	0	0	0
	Amputation	3.4	3	1	3	10	2.9	2	0	3	9	0.5	1	0	1	1
	Arthroscopy	1.4	2	0	1	6	1.3	2	0	1	6	0.1	0	0	0	1
	TOTAL-Femur/Knee	90.7	28	57	89	152	75.8	23	45	75	124	14.9	8	2	16	28

MUSCULOSKELETAL ONCOLOGY: NATIONAL RESIDENT REPORT (Main Table)

Reporting Period: Total Experience of Residents Completing Programs in 2010-2011

Residency Review Committee for Orthopaedic Surgery

Report Date: May 15, 2012

[PART 4]		Programs in the Nation: 7					Residents in the Nation: 10									
		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															
Leg/Ankle	Incision	2.0	3	0	0	8	1.8	3	0	0	6	0.2	1	0	0	2
	Excision	19.6	7	13	18	37	14.9	5	8	15	24	4.7	4	1	4	13
	Intro or Removal	0.1	0	0	0	1	0.1	0	0	0	1	0.0	0	0	0	0
	Repair/Revision/Reconstruction	2.0	1	0	3	4	1.8	1	0	2	4	0.2	0	0	0	1
	Trauma	2.1	3	0	1	8	1.6	2	0	1	6	0.5	1	0	0	3
	--Fracture and/or Dislocation	2.0	3	0	1	7	1.5	2	0	1	6	0.5	1	0	0	3
	--Manipulation	0.1	0	0	0	1	0.1	0	0	0	1	0.0	0	0	0	0
	Arthrodesis	0.1	0	0	0	1	0.1	0	0	0	1	0.0	0	0	0	0
	Amputation	2.9	3	0	2	9	2.4	3	0	1	9	0.5	1	0	0	2
	Arthroscopy	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0
	Other	0.8	2	0	0	5	0.3	1	0	0	2	0.5	1	0	0	3
	TOTAL-Leg/Ankle	29.6	12	17	27	58	23.0	8	10	25	38	6.6	6	1	6	20
Foot/Toes	Incision	0.1	0	0	0	1	0.1	0	0	0	1	0.0	0	0	0	0
	Excision	5.9	2	2	5	10	4.9	2	1	5	8	1.0	1	0	1	3
	Intro or Removal	0.1	0	0	0	1	0.0	0	0	0	0	0.1	0	0	0	1
	Repair/Revision/Reconstruction	0.9	2	0	0	5	0.8	2	0	0	5	0.1	0	0	0	1
	Trauma	0.0	0	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	0	0	0
	--Manipulation	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0
	Arthrodesis	0.2	1	0	0	2	0.2	1	0	0	2	0.0	0	0	0	0
	Amputation	1.6	2	0	1	7	1.5	2	0	1	7	0.1	0	0	0	1
	Other	0.2	0	0	0	1	0.2	0	0	0	1	0.0	0	0	0	0
TOTAL-Foot/Toes	9.0	3	5	9	13	7.7	3	5	7	12	1.3	2	0	1	5	

MUSCULOSKELETAL ONCOLOGY: NATIONAL RESIDENT REPORT (Main Table)

Reporting Period: Total Experience of Residents Completing Programs in 2010-2011

Residency Review Committee for Orthopaedic Surgery

Report Date: May 15, 2012

[PART 5]		Programs in the Nation: 7					Residents in the Nation: 10									
		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															
Other Musculoskeletal	Incision	0.2	0	0	0	1	0.2	0	0	0	1	0.0	0	0	0	0
	Excision	22.0	24	1	8	67	17.2	18	1	7	49	4.8	7	0	1	18
	Intro or Removal	3.6	3	0	4	9	3.0	3	0	3	8	0.6	1	0	0	2
	Repair/Revision/Reconstruction	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0
	Trauma	0.0	0	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	0	0	0
	Arthroscopy	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0
	Other	5.9	12	0	2	40	4.5	9	0	2	30	1.4	3	0	0	10
	TOTAL-Other Musclskel	31.7	36	1	14	115	24.9	27	1	12	85	6.8	10	0	2	30
Spine	Excision	2.5	4	0	1	12	2.5	4	0	1	12	0.0	0	0	0	0
	Osteotomy	0.0	0	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	0	0	0
	Decompression	1.4	2	0	1	6	1.4	2	0	1	6	0.0	0	0	0	0
	Arthrodesis/Anterior	0.6	2	0	0	5	0.6	2	0	0	5	0.0	0	0	0	0
	Arthrodesis/Posterior	2.1	5	0	0	16	2.1	5	0	0	16	0.0	0	0	0	0
	Arthrodesis/Deformity	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0
	Exploration	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0
	Instrumentation	1.5	3	0	0	10	1.5	3	0	0	10	0.0	0	0	0	0
	Other	0.2	0	0	0	1	0.2	0	0	0	1	0.0	0	0	0	0
TOTAL-Spine	8.3	14	0	4	45	8.3	14	0	4	45	0.0	0	0	0	0	

MUSCULOSKELETAL ONCOLOGY: NATIONAL RESIDENT REPORT (Main Table)

Reporting Period: Total Experience of Residents Completing Programs in 2010-2011

Residency Review Committee for Orthopaedic Surgery

Report Date: May 15, 2012

[PART 6]		Programs in the Nation: 7					Residents in the Nation: 10									
		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															
Integumentary System	Incision/Excision	5.6	6	0	3	14	4.7	5	0	2	13	0.9	2	0	0	6
	Repair (Closure)	0.7	2	0	0	5	0.6	1	0	0	4	0.1	0	0	0	1
	Skin Grafts	1.6	2	0	1	5	1.3	2	0	0	5	0.3	1	0	0	2
	Flaps	2.6	2	0	3	6	2.2	2	0	2	6	0.4	1	0	0	2
	Other	0.3	1	0	0	3	0.0	0	0	0	0	0.3	1	0	0	3
	TOTAL-Integumentary		10.8	10	0	9	25	8.8	9	0	8	21	2.0	3	0	0
Nervous System	Incision/Excision	1.6	2	0	1	7	1.4	2	0	1	5	0.2	1	0	0	2
	Neuroplasty	6.2	8	0	4	22	5.3	7	0	3	19	0.9	1	0	0	3
	Transection or Avulsion	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0
	Neurorrhaphy	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0	0
	Other	0.2	1	0	0	2	0.2	1	0	0	2	0.0	0	0	0	0
	Carpal Tunnel	0.2	1	0	0	2	0.2	1	0	0	2	0.0	0	0	0	0
	TOTAL-Nervous System		8.2	9	0	6	26	7.1	8	0	5	23	1.1	2	0	0
Miscellaneous	Miscellaneous	12.6	13	0	6	37	11.1	12	0	6	36	1.5	4	0	0	12
Oncology Cases	TOTAL-Oncology Cases	253.6	140	119	232	614	216.2	115	79	209	494	37.4	32	7	33	120
Microsurgeries	TOTAL-Microsurgeries	1.8	2	0	1	5	1.5	2	0	0	5	0.3	1	0	0	2
Trauma Cases	TOTAL-Trauma	21.5	22	2	12	74	19.0	18	1	12	63	2.5	4	0	1	11
Total of all procs	TOTAL-Procedures	312.4	131	164	292	634	269.4	106	128	274	511	43.0	35	8	34	123

MUSCULOSKELETAL ONCOLOGY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)
Reporting Period: Total Experience of Residents Completing Programs in 2010-2011
Residency Review Committee for Orthopaedic Surgery
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[PART 1]		Programs in the Nation: 7					Residents in the Nation: 10									
		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															
Shoulder	Incision	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1
	Excision	9	11	12	18	25	8	10	10	16	23	0	1	1	2	4
	Intro or Removal	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	Repair/Revision/Reconstruction	0	1	3	4	7	0	1	3	4	6	0	0	0	0	1
	Trauma	0	0	1	2	4	0	0	1	2	4	0	0	0	0	0
	--Fracture and/or Dislocation	0	0	1	2	4	0	0	1	2	4	0	0	0	0	0
	--Manipulation	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	Arthrodesis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Amputation	0	0	1	2	4	0	0	1	2	4	0	0	0	0	0
	Arthroscopy	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	Other	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0
	TOTAL-Shoulder	12	16	19	24	34	11	15	18	22	30	0	1	1	2	6
Humerus/Elbow	Incision	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0
	Excision	6	7	8	11	17	5	6	7	9	13	0	1	1	2	6
	Intro or Removal	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	Repair/Revision/Reconstruction	0	0	1	3	5	0	0	1	3	5	0	0	0	0	0
	Trauma	0	2	3	6	11	0	2	3	6	11	0	0	0	0	1
	--Fracture and/or Dislocation	0	2	3	6	11	0	2	3	6	11	0	0	0	0	1
	--Manipulation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	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	0	0	0	0	0	0	0	0	0	0	0	0	0
	Other	0	0	1	1	2	0	0	1	1	1	0	0	0	0	1
	TOTAL-Humerus/Elbow	10	12	14	18	31	9	9	13	17	27	0	1	2	3	6

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[PART 2]		Programs in the Nation: 7					Residents in the Nation: 10									
		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															
Forearm/Wrist	Incision	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	Excision	4	5	7	11	17	3	4	7	10	16	0	0	1	1	2
	Intro or Removal	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	Repair/Revision/Reconstruction	0	0	0	1	4	0	0	0	1	4	0	0	0	0	0
	Trauma	0	0	0	0	3	0	0	0	0	3	0	0	0	0	0
	--Fracture and/or Dislocation	0	0	0	0	3	0	0	0	0	3	0	0	0	0	0
	--Manipulation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Arthrodesis	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	Amputation	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	Arthroscopy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Other	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	TOTAL-Forearm/Wrist	5	6	9	13	23	4	5	9	12	21	0	0	1	1	2
Hand/Fingers	Incision	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	Excision	2	3	4	6	20	2	3	4	4	16	0	0	1	2	5
	Intro or Removal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Repair/Revision/Reconstruction	0	0	0	0	3	0	0	0	0	3	0	0	0	0	0
	Trauma	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
	--Fracture and/or Dislocation	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
	--Manipulation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Arthrodesis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Amputation	0	0	1	2	5	0	0	1	2	5	0	0	0	0	0
	Other	0	0	0	0	2	0	0	0	0	1	0	0	0	0	1
		TOTAL-Hand/Fingers	4	5	6	7	26	3	4	5	6	22	0	0	1	2

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[PART 3]		Programs in the Nation: 7					Residents in the Nation: 10									
		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															
Pelvis/Hip	Incision	0	0	2	3	4	0	0	2	3	4	0	0	0	0	0
	Excision	9	12	21	24	30	8	11	20	22	28	0	0	1	2	3
	Intro or Removal	0	1	1	2	5	0	1	1	2	5	0	0	0	0	0
	Repair/Revision/Reconstruction	12	17	23	27	32	12	17	22	26	31	0	0	1	1	2
	Trauma	1	2	4	8	13	1	2	4	7	13	0	0	0	1	1
	--Fracture and/or Dislocation	1	2	4	8	13	1	2	4	7	13	0	0	0	1	1
	--Manipulation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Arthrodesis	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	Amputation	1	1	2	4	6	1	1	2	3	5	0	0	0	1	2
	Other	0	0	1	3	6	0	0	1	3	6	0	0	0	0	1
	TOTAL-Pelvis/Hip	29	43	55	63	80	27	42	53	61	74	0	1	2	4	7
Femur/Knee	Incision	1	2	3	5	8	1	2	3	5	7	0	0	0	0	1
	Excision	38	44	48	55	72	34	37	40	46	64	2	6	8	9	12
	Intro or Removal	0	0	0	1	3	0	0	0	1	3	0	0	0	0	0
	Repair/Revision/Reconstruction	6	11	19	23	41	6	8	16	17	32	0	1	3	5	14
	Trauma	1	3	4	11	22	1	2	4	10	18	0	0	1	2	5
	--Fracture and/or Dislocation	1	3	4	9	19	1	2	4	8	17	0	0	0	1	3
	--Manipulation	0	0	1	2	4	0	0	0	1	2	0	0	0	1	3
	Arthrodesis	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	Amputation	1	2	3	4	7	1	2	3	3	7	0	0	1	1	1
	Arthroscopy	0	0	1	2	5	0	0	1	2	5	0	0	0	0	1
Other	0	1	2	3	9	0	0	1	2	5	0	0	0	1	5	
	TOTAL-Femur/Knee	58	79	89	96	133	49	61	75	87	108	3	12	16	20	25

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[PART 4]		Programs in the Nation: 7					Residents in the Nation: 10									
		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															
Leg/Ankle	Incision	0	0	0	3	7	0	0	0	3	6	0	0	0	0	1
	Excision	14	16	18	20	31	9	13	15	16	22	1	2	4	7	11
	Intro or Removal	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	Repair/Revision/Reconstruction	0	1	3	3	4	0	1	2	3	4	0	0	0	0	1
	Trauma	0	0	1	3	7	0	0	1	2	6	0	0	0	1	2
	--Fracture and/or Dislocation	0	0	1	3	7	0	0	1	2	5	0	0	0	1	2
	--Manipulation	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	Arthrodesis	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	Amputation	1	1	2	4	8	0	1	1	3	7	0	0	0	1	2
	Arthroscopy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Other	0	0	0	1	3	0	0	0	0	2	0	0	0	1	2
	TOTAL-Leg/Ankle	20	23	27	33	47	12	19	25	27	33	2	3	6	7	16
Foot/Toes	Incision	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	Excision	3	5	5	7	10	3	4	5	6	8	0	1	1	1	3
	Intro or Removal	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
	Repair/Revision/Reconstruction	0	0	0	1	4	0	0	0	1	4	0	0	0	0	1
	Trauma	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
	--Manipulation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Arthrodesis	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	Amputation	0	1	1	2	5	0	0	1	2	5	0	0	0	0	1
	Other	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	TOTAL-Foot/Toes	6	6	9	12	13	5	5	7	10	12	0	1	1	1	4

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[PART 5]		Programs in the Nation: 7					Residents in the Nation: 10									
		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															
Other Musculoskeletal	Incision	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	Excision	3	6	8	36	59	2	5	7	31	43	0	1	1	7	16
	Intro or Removal	0	2	4	5	8	0	1	3	5	7	0	0	0	1	2
	Repair/Revision/Reconstruction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Trauma	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	0	0	0	0	0	0	0	0	0	0	0
	Other	0	0	2	3	25	0	0	2	3	19	0	0	0	1	7
	TOTAL-Other Musclskel	3	8	14	46	88	3	6	12	38	66	0	1	2	9	23
	Spine	Excision	0	1	1	3	8	0	1	1	3	8	0	0	0	0
Osteotomy		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
Decompression		0	0	1	2	5	0	0	1	2	5	0	0	0	0	0
Arthrodesis/Anterior		0	0	0	0	3	0	0	0	0	3	0	0	0	0	0
Arthrodesis/Posterior		0	0	0	0	11	0	0	0	0	11	0	0	0	0	0
Arthrodesis/Deformity		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exploration		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Instrumentation		0	0	0	1	7	0	0	0	1	7	0	0	0	0	0
Other		0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
TOTAL-Spine	0	1	4	6	31	0	1	4	6	31	0	0	0	0	0	

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[PART 6]		Programs in the Nation: 7					Residents in the Nation: 10									
		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															
Integumentary System	Incision/Excision	0	1	3	12	14	0	1	2	9	13	0	0	0	1	4
	Repair (Closure)	0	0	0	1	3	0	0	0	1	3	0	0	0	0	1
	Skin Grafts	0	0	1	3	5	0	0	0	3	4	0	0	0	0	2
	Flaps	0	1	3	5	6	0	1	2	4	6	0	0	0	0	2
	Other	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
	TOTAL-Integumentary		0	2	9	20	24	0	1	8	16	20	0	0	0	2
Nervous System	Incision/Excision	0	0	1	2	6	0	0	1	2	5	0	0	0	0	1
	Neuroplasty	0	0	4	9	19	0	0	3	9	16	0	0	0	2	3
	Transection or Avulsion	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Neurorrhaphy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Other	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	Carpal Tunnel	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
TOTAL-Nervous System		0	1	6	12	23	0	1	5	10	20	0	0	0	2	4
Miscellaneous	Miscellaneous	1	4	6	20	33	0	4	6	14	32	0	0	0	1	7
Oncology Cases	TOTAL-Oncology Cases	137	173	232	269	459	99	151	209	245	378	8	22	33	39	87
Microsurgeries	TOTAL-Microsurgeries	0	0	1	4	5	0	0	0	3	5	0	0	0	0	2
Trauma Cases	TOTAL-Trauma	5	10	12	24	58	4	8	12	22	50	0	1	1	3	9
Total of all procs	TOTAL-Procedures	178	257	292	327	509	138	235	274	291	410	8	25	34	50	99