



# Accreditation Council for Graduate Medical Education

## Orthopaedic 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 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 Table for Resident Minimums Statistics

This table summarizes national resident experience in 13 defined categories and 2 patient groups, and compares these to preliminary suggested minimums (Min Req).

#### 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.

# ORTHOPAEDIC SURGERY: NATIONAL RESIDENT REPORT (Main Table)

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

Residency Review Committee for Orthopaedic Surgery

Report Date: October 13, 2011

[PART 1 ]		Programs in the Nation: 148					Residents in the Nation: 650									
		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	2.2	2	0	2	20	2.0	2	0	1	20	0.3	1	0	0	6
	Excision	8.7	9	0	6	69	8.1	8	0	6	69	0.6	1	0	0	7
	Intro or Removal	1.1	3	0	0	44	1.1	2	0	0	44	0.0	0	0	0	3
	Repair/ Revise/ Reconst	38.6	22	4	33	142	37.5	22	4	33	142	1.0	2	0	0	14
	Trauma	27.8	16	4	25	128	25.5	15	1	22	115	2.2	3	0	2	19
	-- Fracture/ Dislocation	21.7	13	3	19	117	20.0	12	1	17	105	1.7	2	0	1	18
	-- Manipulation	6.1	5	0	5	35	5.5	5	0	4	35	0.5	1	0	0	6
	Arthrodesis	0.1	0	0	0	5	0.1	0	0	0	5	0.0	0	0	0	2
	Amputation	0.2	0	0	0	4	0.2	0	0	0	4	0.0	0	0	0	2
	Arthroscopy	117.5	74	3	103	694	115.6	74	1	100	690	1.8	3	0	1	26
	Other	0.8	1	0	0	12	0.7	1	0	0	12	0.1	0	0	0	2
TOTAL- Shoulder		197.1	92	17	185	915	190.9	91	17	179	909	6.2	5	0	5	35
Humerus/Elbow	Incision	4.1	4	0	3	29	3.5	4	0	3	28	0.6	1	0	0	6
	Excision	6.7	4	0	6	31	5.6	4	0	5	31	1.1	1	0	1	9
	Intro or Removal	1.7	2	0	1	13	1.2	2	0	1	10	0.5	1	0	0	8
	Repair/ Revise/ Reconst	14.5	8	0	13	55	13.0	7	0	12	51	1.5	2	0	1	13
	Trauma	57.3	25	10	55	174	30.8	15	5	28	112	26.4	16	0	23	124
	-- Fracture/ Dislocation	48.9	21	9	47	167	26.5	13	3	25	111	22.4	14	0	19	98
	-- Manipulation	8.4	8	0	6	57	4.3	5	0	3	44	4.1	5	0	3	52
	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	6	0.4	1	0	0	5	0.0	0	0	0	6
	Arthroscopy	3.0	4	0	2	25	2.5	3	0	2	25	0.5	1	0	0	12
	Other	0.8	2	0	0	18	0.6	1	0	0	11	0.2	1	0	0	11
TOTAL- Humerus/Elbow		88.6	32	22	85	244	57.6	23	14	54	173	30.9	18	0	28	126

# ORTHOPAEDIC SURGERY: NATIONAL RESIDENT REPORT (Main Table)

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

Residency Review Committee for Orthopaedic Surgery

Report Date: October 13, 2011

[PART 2]		Programs in the Nation: 148					Residents in the Nation: 650									
		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	7.1	5	0	6	48	6.5	5	0	5	47	0.6	1	0	0	6
	Excision	13.0	8	0	12	71	11.6	8	0	10	68	1.4	2	0	1	39
	Intro or Removal	1.3	2	0	1	17	1.1	2	0	1	14	0.2	1	0	0	8
	Repair/ Revise/ Reconst	21.4	15	0	18	91	18.7	14	0	15	85	2.8	4	0	2	33
	Trauma	91.3	44	16	84	273	62.1	31	9	56	206	29.2	24	0	24	198
	-- Fracture/ Dislocation	56.5	25	9	53	191	46.4	22	4	43	161	10.1	9	0	8	81
	-- Manipulation	34.8	32	0	27	215	15.8	17	0	10	106	19.1	21	0	14	188
	Arthrodesis	2.3	2	0	2	15	2.2	2	0	2	13	0.1	0	0	0	4
	Amputation	0.4	1	0	0	5	0.4	1	0	0	5	0.0	0	0	0	1
	Arthroscopy	6.0	6	0	5	81	5.7	6	0	4	81	0.2	1	0	0	5
	Other	1.0	3	0	0	31	0.8	2	0	0	29	0.2	1	0	0	7
	<b>TOTAL- Forearm/Wrist</b>	<b>143.9</b>	<b>56</b>	<b>32</b>	<b>136</b>	<b>357</b>	<b>109.1</b>	<b>45</b>	<b>16</b>	<b>103</b>	<b>321</b>	<b>34.7</b>	<b>25</b>	<b>0</b>	<b>31</b>	<b>206</b>
Hand/Fingers	Incision	28.6	16	1	25	135	26.2	16	1	23	133	2.4	2	0	2	13
	Excision	15.7	10	0	13	63	14.5	10	0	12	61	1.2	2	0	1	13
	Intro or Removal	1.4	2	0	1	23	1.3	2	0	0	23	0.1	0	0	0	3
	Repair/ Revise/ Reconst	31.6	20	1	28	178	26.2	18	1	23	160	5.4	6	0	4	72
	Trauma	36.0	27	0	30	366	30.3	25	0	24	356	5.7	6	0	4	42
	-- Fracture/ Dislocation	27.4	17	0	23	118	23.7	15	0	20	104	3.7	4	0	3	29
	-- Manipulation	8.6	18	0	3	329	6.7	17	0	2	328	2.0	3	0	1	26
	Arthrodesis	4.1	4	0	3	38	3.8	4	0	3	34	0.3	1	0	0	8
	Amputation	6.9	6	0	5	38	6.1	6	0	5	35	0.9	1	0	0	9
	Other	1.9	5	0	1	57	1.5	4	0	0	53	0.3	1	0	0	12
		<b>TOTAL- Hand/Fingers</b>	<b>126.1</b>	<b>58</b>	<b>14</b>	<b>118</b>	<b>466</b>	<b>109.9</b>	<b>53</b>	<b>10</b>	<b>104</b>	<b>438</b>	<b>16.2</b>	<b>12</b>	<b>0</b>	<b>14</b>

# ORTHOPAEDIC SURGERY: NATIONAL RESIDENT REPORT (Main Table)

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

Residency Review Committee for Orthopaedic Surgery

Report Date: October 13, 2011

[PART 3]		Programs in the Nation: 148					Residents in the Nation: 650									
		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	13.0	9	0	12	86	6.4	6	0	5	84	6.6	6	0	5	33
	Excision	5.1	6	0	4	97	4.3	5	0	3	90	0.8	1	0	0	16
	Intro or Removal	6.0	5	0	5	35	3.4	4	0	2	27	2.6	3	0	2	20
	Repair/ Revise/ Reconst	101.4	45	11	95	352	90.8	44	8	86	345	10.5	7	0	9	41
	Trauma	79.6	39	13	71	274	74.5	37	13	67	255	5.1	4	0	4	25
	-- Fracture/ Dislocation	70.8	36	9	64	259	67.1	35	9	60	242	3.7	3	0	3	24
	-- Manipulation	8.8	8	0	7	80	7.4	7	0	5	75	1.4	2	0	1	11
	Arthrodesis	0.3	1	0	0	10	0.3	1	0	0	10	0.0	0	0	0	2
	Amputation	0.5	1	0	0	12	0.5	1	0	0	12	0.0	0	0	0	2
	Other	3.5	6	0	2	52	2.8	5	0	1	46	0.6	2	0	0	19
	<b>TOTAL- Pelvis/Hip</b>	<b>209.4</b>	<b>68</b>	<b>49</b>	<b>200</b>	<b>489</b>	<b>183.0</b>	<b>65</b>	<b>39</b>	<b>174</b>	<b>471</b>	<b>26.4</b>	<b>14</b>	<b>0</b>	<b>24</b>	<b>91</b>
Femur/Knee	Incision	13.0	9	0	11	67	10.4	8	0	9	66	2.6	4	0	2	48
	Excision	13.6	13	0	11	229	11.1	12	0	9	224	2.5	2	0	2	13
	Intro or Removal	2.5	5	0	1	71	1.9	4	0	1	71	0.5	1	0	0	8
	Repair/ Revise/ Reconst	149.1	56	21	142	452	134.3	55	17	124	438	14.8	10	0	13	61
	Trauma	73.4	33	12	66	212	61.6	29	10	55	180	11.8	8	0	10	48
	-- Fracture/ Dislocation	61.9	29	12	56	199	53.1	26	6	48	173	8.8	6	0	8	40
	-- Manipulation	11.6	10	0	9	87	8.5	8	0	6	72	3.0	3	0	2	19
	Arthrodesis	0.4	1	0	0	8	0.4	1	0	0	8	0.0	0	0	0	3
	Amputation	3.4	4	0	3	40	3.1	4	0	2	40	0.3	1	0	0	6
	Arthroscopy	179.6	88	22	164	705	166.0	85	16	149	682	13.6	12	0	10	76
	<b>TOTAL- Femur/Knee</b>	<b>437.2</b>	<b>124</b>	<b>154</b>	<b>426</b>	<b>1,254</b>	<b>390.4</b>	<b>119</b>	<b>123</b>	<b>379</b>	<b>1,210</b>	<b>46.8</b>	<b>22</b>	<b>6</b>	<b>43</b>	<b>143</b>

# ORTHOPAEDIC SURGERY: NATIONAL RESIDENT REPORT (Main Table)

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

Residency Review Committee for Orthopaedic Surgery

Report Date: October 13, 2011

[PART 4]		Programs in the Nation: 148 Residents in the Nation: 650														
		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	19.9	13	1	17	111	12.0	10	0	10	88	7.9	7	0	6	45
	Excision	9.1	6	0	8	37	6.8	5	0	6	34	2.2	2	0	2	13
	Intro or Removal	0.1	1	0	0	8	0.1	0	0	0	7	0.1	0	0	0	8
	Repair/ Revise/ Reconst	43.5	21	4	39	181	28.1	17	1	24	169	15.5	11	0	13	71
	Trauma	119.1	47	22	112	282	105.5	43	19	98	259	13.6	9	0	12	56
	-- Fracture/ Dislocation	99.3	37	22	96	277	89.8	35	17	86	256	9.5	6	0	9	52
	-- Manipulation	19.8	20	0	14	114	15.7	17	0	10	101	4.1	4	0	3	33
	Arthrodesis	3.9	3	0	3	18	3.8	3	0	3	16	0.1	0	0	0	5
	Amputation	6.0	6	0	4	39	5.5	6	0	4	38	0.5	1	0	0	6
	Arthroscopy	6.9	7	0	5	45	6.5	6	0	5	45	0.4	1	0	0	5
	Other	3.4	6	0	2	72	2.7	5	0	2	65	0.6	2	0	0	19
	<b>TOTAL- Leg/Ankle</b>	<b>211.9</b>	<b>65</b>	<b>62</b>	<b>208</b>	<b>444</b>	<b>171.0</b>	<b>58</b>	<b>30</b>	<b>166</b>	<b>407</b>	<b>41.0</b>	<b>20</b>	<b>2</b>	<b>37</b>	<b>124</b>
Foot/Toes	Incision	5.7	6	0	4	40	4.6	5	0	3	36	1.2	2	0	1	39
	Excision	13.1	9	0	11	58	10.4	9	0	8	58	2.7	2	0	2	14
	Intro or Removal	1.4	2	0	1	12	1.0	2	0	0	11	0.4	1	0	0	4
	Repair/ Revise/ Reconst	39.8	28	0	33	206	27.0	23	0	20	165	12.8	13	0	10	180
	Trauma	27.9	20	1	23	144	25.5	18	0	21	135	2.4	3	0	2	35
	-- Fracture/ Dislocation	25.3	17	1	21	128	23.2	16	0	19	119	2.0	2	0	1	18
	-- Manipulation	2.6	4	0	1	36	2.3	3	0	1	31	0.3	1	0	0	26
	Arthrodesis	12.7	10	0	10	71	11.2	10	0	9	71	1.5	2	0	1	24
	Amputation	5.9	6	0	4	47	5.2	6	0	3	45	0.7	1	0	0	11
	Other	1.3	3	0	0	36	0.9	2	0	0	28	0.4	1	0	0	9
		<b>TOTAL- Foot/Toes</b>	<b>107.8</b>	<b>55</b>	<b>8</b>	<b>99</b>	<b>420</b>	<b>85.7</b>	<b>49</b>	<b>2</b>	<b>79</b>	<b>381</b>	<b>22.0</b>	<b>17</b>	<b>0</b>	<b>18</b>

# ORTHOPAEDIC SURGERY: NATIONAL RESIDENT REPORT (Main Table)

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

Residency Review Committee for Orthopaedic Surgery

Report Date: October 13, 2011

[PART 5]		Programs in the Nation: 148					Residents in the Nation: 650									
		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	0.5	1	0	0	11	0.4	1	0	0	9	0.1	0	0	0	5
	Excision	5.3	6	0	3	50	4.0	5	0	2	43	1.2	2	0	0	15
	Intro or Removal	107.2	68	0	98	393	88.0	61	0	79	369	19.1	14	0	17	81
	Repair/ Revise/ Reconst	0.0	0	0	0	5	0.0	0	0	0	4	0.0	0	0	0	5
	Trauma	0.1	0	0	0	4	0.0	0	0	0	4	0.0	0	0	0	3
	Fracture / Dislocation	0.1	0	0	0	4	0.0	0	0	0	4	0.0	0	0	0	3
	Arthroscopy	1.4	3	0	0	46	1.3	3	0	0	46	0.1	1	0	0	6
	Other	97.2	122	0	50	741	55.7	83	0	23	617	41.5	49	0	22	313
	TOTAL- Other Musc	211.7	160	0	172	993	149.5	117	0	120	828	62.1	57	0	44	389
Spine	Excision- Spine	4.9	11	0	1	91	2.0	5	0	0	56	2.9	8	0	0	88
	Osteomy	0.4	1	0	0	14	0.2	1	0	0	6	0.2	1	0	0	14
	Fracture/Dislocate	6.0	12	0	2	98	5.6	11	0	2	98	0.4	1	0	0	11
	Decompression	46.5	41	0	37	370	45.4	40	0	36	370	1.1	2	0	0	22
	Arthrodesis Anterior	15.7	14	0	13	101	15.3	14	0	12	97	0.4	1	0	0	9
	Arthrodesis Posterior	40.2	39	0	31	469	35.6	35	0	27	426	4.6	12	0	1	176
	Arthrodesis Deformity	9.6	11	0	7	110	2.3	5	0	1	60	7.2	8	0	5	99
	Exploration	1.7	2	0	1	20	1.3	2	0	1	13	0.4	1	0	0	11
	Instrumentation	37.9	30	0	31	220	27.6	25	0	21	203	10.2	10	0	7	73
	Other- Spine	2.5	5	0	1	51	1.3	3	0	0	51	1.2	2	0	0	24
TOTAL- Spine	165.4	112	8	142	930	136.7	102	0	113	853	28.6	26	0	22	203	

# ORTHOPAEDIC SURGERY: NATIONAL RESIDENT REPORT (Main Table)

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

Residency Review Committee for Orthopaedic Surgery

Report Date: October 13, 2011

[PART 6 ]		Programs in the Nation: 148					Residents in the Nation: 650									
		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	87.2	74	0	71	482	77.7	68	0	63	457	9.5	9	0	7	66
	Repair (Closure)	14.1	21	0	7	269	12.3	20	0	6	254	1.7	3	0	1	27
	Skin Grafts	5.9	7	0	4	58	5.4	6	0	3	53	0.5	1	0	0	13
	Flaps	2.1	3	0	1	41	1.9	3	0	1	37	0.2	1	0	0	4
	Other- Integum	1.2	3	0	0	35	1.0	3	0	0	32	0.2	1	0	0	13
	TOTAL- Integumentary		110.5	92	0	90	629	98.3	84	0	79	598	12.2	11	0	9
Nervous System	Neuroplasty	14.6	10	0	13	68	13.9	10	0	12	68	0.7	1	0	0	10
	Transection or Avulsion	0.2	1	0	0	7	0.1	1	0	0	7	0.0	0	0	0	4
	Incision/Excision-Nerve	1.7	2	0	1	13	1.5	2	0	1	13	0.1	0	0	0	3
	Neurorrhaphy	5.8	5	0	5	38	5.3	5	0	4	36	0.5	1	0	0	10
	Other- Nerve	0.2	1	0	0	10	0.2	1	0	0	5	0.0	0	0	0	10
	Carpal Tunnel	34.0	24	0	29	204	33.7	24	0	29	203	0.3	1	0	0	6
	TOTAL- Nerve		56.5	32	0	50	317	54.8	32	0	49	311	1.7	2	0	1
Oncology Procs	TOTAL- Oncology	36.2	34	0	27	184	30.6	30	0	22	167	5.5	7	0	3	43
Microsurgery Procs	TOTAL- Microsurgery	31.4	59	0	12	521	29.0	56	0	10	481	2.3	6	0	0	62
Miscellaneous	TOTAL- Misc	62.9	70	0	45	588	54.0	61	0	38	536	8.9	15	0	5	173
Trauma	TOTAL- Trauma	512.5	197	116	473	1,306	416.0	168	91	379	1,114	96.5	54	7	87	344
TOTAL OF ALL PROCS	TOTAL- All Procs	2,128.8	529	802	2,081	4,196	1,791.0	455	737	1,753	3,725	337.8	150	43	316	971

**ORTHOPAEDIC SURGERY: NATIONAL REPORT (Minimums Table)**  
**Reporting Period: Total Experience of Residents Completing Programs in 2010-2011**  
**Residency Review Committee for Orthopaedic Surgery**  
**Report Date: October 13, 2011**

[PART 1 ]	Programs in the Nation: 148	Residents in the Nation: 650	Residents in this Program: 12
	Natl Res AVE	Min Req	Natl Prog AVE
Defined Categories and Procedure Groups			
Knee Arthroscopy	152	30	154
Shoulder Arthroscopy	119	20	124
ACL Reconstruction	28	10	29
THA	78	30	77
TKA	108	30	109
Hip Fractures	47	30	50
Carpal Tunnel Release	32	10	34
Spine Decompression/Fusion	47	15	49
Ankle Fracture Fixation	62	15	64
Closed Reduction Forearm/Wrist	35	20	35
Ankle/Hind/Mid Foot Arthro	11	5	12
Supracondular Humerus Perc	13	5	13
Femur/Tibia Intramedullary Fixation	43	25	45
Oncology Procedures	36	10	35
Pediatric Procedures	338	200	339



# ORTHOPAEDIC SURGERY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)

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

Residency Review Committee for Orthopaedic Surgery

Report Date: October 13, 2011

[PART 1]		Programs in the Nation: 148					Residents in the Nation: 650									
		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	1	2	3	5	0	1	1	2	5	0	0	0	0	1
	Excision	2	4	6	10	18	1	3	6	9	17	0	0	0	1	2
	Intro or Removal	0	0	0	1	3	0	0	0	1	3	0	0	0	0	0
	Repair/ Revise/ Reconst	14	24	33	48	68	13	23	33	47	68	0	0	0	1	3
	Trauma	12	19	25	31	50	11	17	22	29	45	0	1	2	3	5
	-- Fracture/ Dislocation	9	14	19	25	38	8	13	17	23	35	0	0	1	2	4
	-- Manipulation	1	3	5	7	13	1	2	4	7	12	0	0	0	1	2
	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	44	76	103	134	207	42	74	100	133	206	0	0	1	2	5
	Other	0	0	0	1	2	0	0	0	1	2	0	0	0	0	0
TOTAL- Shoulder		102	147	185	226	311	96	142	179	220	305	1	3	5	7	12
Humerus/Elbow	Incision	0	2	3	5	9	0	1	3	4	8	0	0	0	1	2
	Excision	2	4	6	8	12	1	3	5	7	10	0	0	1	1	3
	Intro or Removal	0	0	1	2	4	0	0	1	1	3	0	0	0	1	2
	Repair/ Revise/ Reconst	6	10	13	17	25	5	8	12	16	23	0	0	1	2	4
	Trauma	28	42	55	66	91	14	22	28	36	51	8	17	23	32	50
	-- Fracture/ Dislocation	24	36	47	58	74	13	19	25	31	42	7	14	19	28	42
	-- Manipulation	1	3	6	11	19	0	1	3	5	11	0	1	3	5	10
	Arthrodesis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Amputation	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0
	Arthroscopy	0	1	2	3	7	0	1	2	3	6	0	0	0	0	2
	Other	0	0	0	1	2	0	0	0	1	2	0	0	0	0	1
TOTAL- Humerus/Elbow		52	69	85	103	132	33	44	54	66	88	11	20	28	37	55

# ORTHOPAEDIC SURGERY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)

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

Residency Review Committee for Orthopaedic Surgery

Report Date: October 13, 2011

[PART 2 ]		Programs in the Nation: 148					Residents in the Nation: 650										
		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	2	4	6	8	14	1	4	5	8	13	0	0	0	1	2	
	Excision	4	8	12	15	23	4	7	10	14	21	0	0	1	2	3	
	Intro or Removal	0	0	1	2	3	0	0	1	1	3	0	0	0	0	1	
	Repair/ Revise/ Reconst	6	12	18	25	42	4	10	15	23	38	0	0	2	3	7	
	Trauma	42	64	84	109	151	26	46	56	72	104	6	14	24	36	58	
	-- Fracture/ Dislocation	28	42	53	64	89	22	34	43	54	75	2	5	8	11	20	
	-- Manipulation	2	13	27	46	75	0	4	10	21	39	1	5	14	24	44	
	Arthrodesis	0	1	2	3	5	0	1	2	3	5	0	0	0	0	1	
	Amputation	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	
	Arthroscopy	0	2	5	7	13	0	2	4	7	13	0	0	0	0	1	
	Other	0	0	0	1	3	0	0	0	1	2	0	0	0	0	1	
	TOTAL- Forearm/Wrist		81	110	136	168	220	59	82	103	128	173	10	19	31	42	64
Hand/Fingers	Incision	11	20	25	34	50	9	17	23	31	47	0	1	2	3	6	
	Excision	5	9	13	19	29	5	9	12	18	27	0	0	1	1	3	
	Intro or Removal	0	0	1	2	4	0	0	0	1	4	0	0	0	0	0	
	Repair/ Revise/ Reconst	11	20	28	37	56	8	16	23	31	48	0	2	4	7	12	
	Trauma	12	21	30	42	67	9	17	24	36	57	0	2	4	7	13	
	-- Fracture/ Dislocation	10	17	23	33	49	8	14	20	28	43	0	1	3	5	9	
	-- Manipulation	0	1	3	8	22	0	1	2	6	15	0	0	1	2	6	
	Arthrodesis	0	2	3	5	9	0	2	3	5	9	0	0	0	0	1	
	Amputation	1	3	5	8	15	1	3	5	7	13	0	0	0	1	3	
	Other	0	0	1	1	4	0	0	0	1	4	0	0	0	0	1	
	TOTAL- Hand/Fingers		61	92	118	147	202	51	77	104	128	178	4	9	14	20	30

# ORTHOPAEDIC SURGERY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)

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

Residency Review Committee for Orthopaedic Surgery

Report Date: October 13, 2011

[PART 3]		Programs in the Nation: 148					Residents in the Nation: 650									
		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	4	8	12	16	24	1	3	5	8	13	1	3	5	8	14
	Excision	1	2	4	6	11	0	2	3	5	9	0	0	0	1	2
	Intro or Removal	1	3	5	8	12	0	1	2	4	8	0	1	2	3	6
	Repair/ Revise/ Reconst	53	76	95	117	155	44	65	86	104	142	3	6	9	13	20
	Trauma	39	57	71	91	131	36	54	67	85	124	1	3	4	6	10
	-- Fracture/ Dislocation	34	51	64	80	118	31	48	60	76	114	0	2	3	5	8
	-- Manipulation	2	4	7	10	18	1	3	5	9	16	0	0	1	2	4
	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	2	0	0	0	0	0
	Other	0	1	2	3	8	0	0	1	3	7	0	0	0	0	2
	TOTAL- Pelvis/Hip	133	171	200	233	300	110	148	174	206	273	11	18	24	31	46
Femur/Knee	Incision	3	7	11	16	26	2	5	9	13	21	0	1	2	3	6
	Excision	4	8	11	16	26	3	6	9	13	22	0	1	2	3	5
	Intro or Removal	0	0	1	3	6	0	0	1	2	4	0	0	0	0	2
	Repair/ Revise/ Reconst	85	116	142	172	220	73	100	124	155	208	4	9	13	17	27
	Trauma	38	54	66	84	117	31	45	55	70	101	4	7	10	14	22
	-- Fracture/ Dislocation	31	44	56	71	100	26	38	48	61	87	3	5	8	11	16
	-- Manipulation	2	6	9	14	22	2	4	6	10	17	0	1	2	4	8
	Arthrodesis	0	0	0	1	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	84	131	164	207	295	76	119	149	191	273	2	6	10	16	30
Other	0	0	1	2	6	0	0	0	1	4	0	0	0	1	2	
	TOTAL- Femur/Knee	291	369	426	488	597	250	326	379	439	547	20	34	43	55	77

# ORTHOPAEDIC SURGERY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)

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

Residency Review Committee for Orthopaedic Surgery

Report Date: October 13, 2011

[PART 4 ]		Programs in the Nation: 148 Residents in the Nation: 650														
		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	7	12	17	23	37	3	6	10	13	23	1	4	6	9	16
	Excision	2	5	8	11	16	1	4	6	8	14	0	1	2	3	5
	Intro or Removal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Repair/ Revise/ Reconst	20	31	39	51	73	12	19	24	32	47	4	9	13	18	32
	Trauma	67	90	112	138	182	57	80	98	121	166	4	8	12	17	25
	-- Fracture/ Dislocation	58	78	96	111	148	51	70	86	101	134	3	6	9	12	17
	-- Manipulation	1	7	14	24	48	1	4	10	19	40	0	1	3	5	10
	Arthrodesis	0	2	3	5	8	0	2	3	5	8	0	0	0	0	0
	Amputation	1	2	4	7	13	1	2	4	7	12	0	0	0	1	2
	Arthroscopy	1	3	5	8	15	1	3	5	8	14	0	0	0	0	2
	Other	0	1	2	4	7	0	1	2	3	6	0	0	0	0	2
	TOTAL- Leg/Ankle	133	174	208	240	298	101	136	166	195	243	18	30	37	48	68
Foot/Toes	Incision	1	2	4	7	13	0	1	3	5	10	0	0	1	1	3
	Excision	4	7	11	16	25	2	5	8	12	21	0	1	2	3	6
	Intro or Removal	0	0	1	2	4	0	0	0	1	3	0	0	0	0	1
	Repair/ Revise/ Reconst	14	23	33	46	75	6	13	20	33	56	2	6	10	15	25
	Trauma	9	17	23	32	53	8	15	21	29	48	0	1	2	3	6
	-- Fracture/ Dislocation	8	15	21	29	47	7	14	19	27	44	0	0	1	3	5
	-- Manipulation	0	0	1	3	7	0	0	1	3	6	0	0	0	0	1
	Arthrodesis	3	7	10	14	26	2	5	9	13	24	0	0	1	2	4
	Amputation	0	2	4	7	14	0	1	3	6	12	0	0	0	1	2
	Other	0	0	0	1	4	0	0	0	1	2	0	0	0	0	2
	TOTAL- Foot/Toes	48	76	99	124	176	33	57	79	100	147	6	13	18	26	40

# ORTHOPAEDIC SURGERY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)

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

Residency Review Committee for Orthopaedic Surgery

Report Date: October 13, 2011

[PART 5 ]		Programs in the Nation: 148					Residents in the Nation: 650									
		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	2	0	0	0	0	1	0	0	0	0	0
	Excision	0	1	3	6	14	0	1	2	4	11	0	0	0	1	4
	Intro or Removal	25	66	98	134	193	18	51	79	108	168	3	11	17	25	38
	Repair/ Revise/ Reconst	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 / Dislocation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Arthroscopy	0	0	0	1	4	0	0	0	1	3	0	0	0	0	0
	Other	8	25	50	89	274	2	9	23	49	168	2	10	22	46	114
	TOTAL- Other Musc	47	115	172	247	427	31	80	120	176	304	10	27	44	71	141
	Spine	Excision- Spine	0	0	1	3	14	0	0	0	1	6	0	0	0	1
Osteomy		0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
Fracture/Dislocate		0	0	2	5	16	0	0	2	4	15	0	0	0	0	1
Decompression		10	23	37	53	92	10	22	36	52	89	0	0	0	1	3
Arthrodesis Anterior		2	7	13	19	33	2	7	12	19	32	0	0	0	0	2
Arthrodesis Posterior		6	17	31	48	83	4	14	27	43	77	0	0	1	2	13
Arthrodesis Deformity		1	4	7	11	21	0	0	1	2	6	0	3	5	9	17
Exploration		0	0	1	2	5	0	0	1	1	4	0	0	0	0	1
Instrumentation		7	18	31	47	79	3	10	21	35	64	1	4	7	12	23
Other- Spine		0	0	1	2	7	0	0	0	1	3	0	0	0	1	4
TOTAL- Spine	47	99	142	196	313	29	78	113	165	273	5	13	22	34	60	

# ORTHOPAEDIC SURGERY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)

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

Residency Review Committee for Orthopaedic Surgery

Report Date: October 13, 2011

[PART 6]		Programs in the Nation: 148					Residents in the Nation: 650									
		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	8	34	71	117	195	6	30	63	103	181	1	4	7	12	22
	Repair (Closure)	0	2	7	16	34	0	2	6	13	30	0	0	1	2	5
	Skin Grafts	0	2	4	7	15	0	1	3	6	14	0	0	0	0	2
	Flaps	0	0	1	2	5	0	0	1	2	5	0	0	0	0	1
	Other- Integum	0	0	0	1	3	0	0	0	0	2	0	0	0	0	1
	TOTAL- Integumentary		14	46	90	144	243	11	39	79	126	219	1	5	9	15
Nervous System	Neuroplasty	4	9	13	18	28	4	8	12	17	27	0	0	0	1	2
	Transection or Avulsion	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Incision/Excision-Nerve	0	0	1	2	4	0	0	1	2	4	0	0	0	0	0
	Neurorrhaphy	0	2	5	7	13	0	2	4	7	12	0	0	0	0	2
	Other- Nerve	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	Carpal Tunnel	9	20	29	41	65	9	19	29	40	64	0	0	0	0	1
	TOTAL- Nerve		23	37	50	67	95	22	36	49	65	94	0	0	1	2
Oncology Procs	TOTAL- Oncology	1	12	27	48	87	1	9	22	41	71	0	1	3	7	15
Microsurgery Procs	TOTAL- Microsurgery	0	4	12	30	74	0	3	10	27	70	0	0	0	1	7
Miscellaneous	TOTAL- Misc	7	25	45	72	130	6	21	38	60	119	0	2	5	9	20
Trauma	TOTAL- Trauma	303	397	473	585	795	236	314	379	467	648	35	62	87	118	171
<b>TOTAL OF ALL PROCS</b>	<b>TOTAL- All Procs</b>	<b>1,461</b>	<b>1,853</b>	<b>2,081</b>	<b>2,375</b>	<b>2,838</b>	<b>1,231</b>	<b>1,545</b>	<b>1,753</b>	<b>1,985</b>	<b>2,386</b>	<b>162</b>	<b>246</b>	<b>316</b>	<b>405</b>	<b>538</b>