



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 Table for Resident Minimums Statistics

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

III. 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 2011-2012

Residency Review Committee for Orthopaedic Surgery

Report Date: October 10, 2012

[PART 1]		Programs in the Nation: 149					Residents in the Nation: 675									
		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	2.4	3	0	2	29	2.1	3	0	1	29	0.2	1	0	0	7
	Excision	8.8	9	0	7	79	8.1	8	0	6	76	0.6	1	0	0	13
	Intro or Removal	1.2	2	0	1	20	1.2	2	0	1	19	0.0	0	0	0	4
	Repair/ Revisn/ Reconst	41.2	25	1	37	237	40.2	25	1	35	237	1.0	2	0	1	12
	Trauma	30.2	20	3	26	292	27.7	18	2	24	252	2.5	3	0	2	40
	--Fracture and/or Dislocation	23.7	18	1	20	288	21.8	16	1	18	248	1.8	3	0	1	40
	--Manipulation	6.5	7	0	5	68	5.8	6	0	4	64	0.7	2	0	0	24
	Arthrodesis	0.1	0	0	0	2	0.1	0	0	0	2	0.0	0	0	0	1
	Amputation	0.2	0	0	0	4	0.2	0	0	0	4	0.0	0	0	0	1
	Arthroscopy	129.7	80	14	113	708	127.2	78	11	112	651	2.5	7	0	1	148
	Other Procedures	1.0	3	0	0	75	0.9	3	0	0	75	0.1	0	0	0	3
	TOTAL-Shoulder	214.7	104	50	199	1,136	207.7	101	50	191	1,068	7.1	8	0	5	148
Humerus/Elbow	Incision	3.9	4	0	3	30	3.3	3	0	3	30	0.6	1	0	0	14
	Excision	6.7	5	0	6	48	5.7	5	0	5	44	1.0	1	0	1	13
	Intro or Removal	1.8	3	0	1	39	1.3	2	0	1	38	0.5	1	0	0	10
	Repair/ Revisn/ Reconst	15.0	9	0	13	129	13.8	9	0	12	125	1.2	2	0	1	17
	Trauma	59.2	28	7	55	324	31.6	16	0	29	164	27.7	16	1	24	160
	--Fracture and/or Dislocation	50.5	23	7	47	272	27.0	13	0	25	124	23.4	14	0	21	148
	--Manipulation	8.8	9	0	6	71	4.6	6	0	3	45	4.2	5	0	3	41
	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	8	0.4	1	0	0	8	0.0	0	0	0	3
	Arthroscopy	3.2	4	0	2	41	2.8	3	0	2	33	0.4	1	0	0	10
	Other Procedures	1.0	2	0	0	23	0.8	2	0	0	16	0.2	1	0	0	7
	TOTAL-Humerus/Elbow	91.3	37	8	86	448	59.6	27	7	56	288	31.6	17	1	28	160

ORTHOPAEDIC 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: October 10, 2012

[PART 2]		Programs in the Nation: 149					Residents in the Nation: 675										
		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	6	0	6	60	6.6	6	0	5	60	0.5	1	0	0	8	
	Excision	13.7	8	0	12	68	12.4	8	0	11	56	1.4	2	0	1	12	
	Intro or Removal	1.2	2	0	1	12	1.1	2	0	1	10	0.2	1	0	0	5	
	Repair/ Revisn/ Reconst	20.9	15	0	18	112	18.2	13	0	16	80	2.7	4	0	1	36	
	Trauma	96.6	51	11	89	624	64.6	33	6	60	352	32.0	28	1	27	408	
	--Fracture and/or Dislocation	58.0	30	3	53	368	47.4	24	1	45	288	10.6	12	0	8	164	
	--Manipulation	38.7	31	0	32	324	17.3	17	0	12	117	21.4	21	0	17	244	
	Arthrodesis	2.2	2	0	2	14	2.1	2	0	1	13	0.1	0	0	0	3	
	Amputation	0.4	1	0	0	6	0.4	1	0	0	6	0.0	0	0	0	2	
	Arthroscopy	6.2	6	0	4	68	6.0	6	0	4	56	0.3	1	0	0	12	
	Other Procedures	1.2	3	0	0	28	0.9	2	0	0	22	0.2	1	0	0	6	
	TOTAL-Forearm/Wrist		149.7	66	20	144	856	112.3	49	11	106	572	37.4	30	1	32	416
Hand/Fingers	Incision	30.8	19	0	28	172	28.2	18	0	24	152	2.7	3	0	2	20	
	Excision	15.8	11	0	14	108	14.7	10	0	13	104	1.1	1	0	1	9	
	Intro or Removal	1.3	2	0	1	24	1.2	2	0	0	22	0.1	0	0	0	5	
	Repair/ Revisn/ Reconst	31.0	20	0	27	184	26.0	18	0	22	172	5.0	5	0	3	37	
	Trauma	37.7	27	0	33	268	31.6	24	0	27	248	6.1	7	0	4	68	
	--Fracture and/or Dislocation	28.6	19	0	25	244	24.8	17	0	22	228	3.9	4	0	3	35	
	--Manipulation	9.0	14	0	4	98	6.8	12	0	2	98	2.2	4	0	1	48	
	Arthrodesis	4.0	4	0	3	32	3.8	4	0	3	32	0.2	1	0	0	4	
	Amputation	7.0	6	0	5	76	6.1	6	0	5	76	0.9	1	0	0	8	
	Other Procedures	1.9	4	0	0	38	1.6	4	0	0	33	0.4	1	0	0	8	
	TOTAL-Hand/Fingers		129.6	64	0	119	832	113.1	58	0	104	784	16.5	11	0	14	104

ORTHOPAEDIC 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: October 10, 2012

[PART 3]		Programs in the Nation: 149					Residents in the Nation: 675									
		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	12.2	8	0	11	72	6.1	5	0	5	36	6.1	6	0	5	42
	Excision	5.8	5	0	5	46	4.9	5	0	4	45	0.9	2	0	0	32
	Intro or Removal	6.0	5	0	5	28	3.3	3	0	2	24	2.7	3	0	2	24
	Repair/ Revisn/ Reconst	110.7	50	20	104	380	100.0	48	15	93	364	10.7	8	0	9	104
	Trauma	83.4	42	14	76	604	78.4	41	12	71	588	5.0	4	0	4	23
	--Fracture and/or Dislocation	74.0	38	11	66	524	70.4	37	10	62	512	3.6	3	0	3	16
	--Manipulation	9.3	9	0	7	80	7.9	8	0	6	76	1.4	2	0	1	16
	Arthrodesis	0.4	2	0	0	37	0.3	2	0	0	37	0.0	0	0	0	2
	Amputation	0.6	1	0	0	15	0.5	1	0	0	4	0.1	1	0	0	15
	Arthroscopy	0.9	4	0	0	48	0.9	4	0	0	48	0.0	0	0	0	6
	Other Procedures	4.1	7	0	2	58	3.4	6	0	1	52	0.8	2	0	0	16
	TOTAL-Pelvis/Hip		224.1	81	52	214	1,104	197.8	77	33	189	1,032	26.3	16	0	23
Femur/Knee	Incision	12.6	9	0	10	65	10.0	8	0	8	52	2.6	4	0	2	52
	Excision	14.9	11	0	12	140	12.1	10	0	10	136	2.8	3	0	2	23
	Intro or Removal	2.2	3	0	1	24	1.5	2	0	1	24	0.7	1	0	0	12
	Repair/ Revisn/ Reconst	161.6	70	43	151	948	146.0	68	27	135	920	15.6	11	0	13	108
	Trauma	75.9	35	16	69	408	63.5	30	13	57	332	12.4	9	0	11	76
	--Fracture and/or Dislocation	63.7	30	12	58	356	54.4	27	8	49	324	9.2	6	0	8	40
	--Manipulation	12.2	10	0	10	78	9.0	8	0	7	70	3.1	4	0	2	44
	Arthrodesis	0.5	1	0	0	8	0.5	1	0	0	8	0.0	0	0	0	1
	Amputation	3.5	4	0	2	36	3.3	3	0	2	36	0.2	1	0	0	4
	Arthroscopy	193.5	101	35	176	1,144	177.8	95	27	161	1,016	15.6	16	0	12	172
	Other Procedures	2.5	5	0	1	55	1.9	4	0	1	48	0.7	2	0	0	16
	TOTAL-Femur/Knee		467.1	164	152	447	2,376	416.5	152	130	400	2,220	50.5	28	7	46

ORTHOPAEDIC 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: October 10, 2012

[PART 4]		Programs in the Nation: 149					Residents in the Nation: 675									
		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	19.2	14	0	17	176	11.5	11	0	9	164	7.7	7	0	6	56
	Excision	9.6	7	0	8	57	7.4	6	0	6	53	2.3	2	0	2	12
	Intro or Removal	0.1	1	0	0	6	0.0	0	0	0	3	0.1	0	0	0	6
	Repair/ Revisn/ Reconst	44.6	25	5	40	248	29.6	20	3	25	208	15.0	12	0	13	102
	Trauma	124.8	55	29	114	632	110.4	50	24	101	532	14.5	10	0	13	100
	--Fracture and/or Dislocation	103.1	43	24	95	532	93.1	40	21	86	464	10.0	7	0	9	68
	--Manipulation	21.7	23	0	14	188	17.3	20	0	10	139	4.4	6	0	3	89
	Arthrodesis	4.2	4	0	3	52	4.1	4	0	3	52	0.1	0	0	0	4
	Amputation	6.5	6	0	5	61	5.9	6	0	4	61	0.5	1	0	0	6
	Arthroscopy	7.3	7	0	6	84	6.8	6	0	5	52	0.5	2	0	0	32
	Other Procedures	3.6	5	0	2	50	3.1	5	0	2	41	0.5	1	0	0	11
	TOTAL-Leg/Ankle	219.9	80	54	210	964	178.8	70	45	169	808	41.1	20	4	39	168
Foot/Toes	Incision	5.7	6	0	4	76	4.7	6	0	3	76	1.0	2	0	0	10
	Excision	14.0	12	0	11	208	11.2	12	0	8	200	2.8	3	0	2	20
	Intro or Removal	1.5	2	0	1	21	1.0	2	0	0	17	0.4	1	0	0	9
	Repair/ Revisn/ Reconst	43.8	36	0	36	400	30.8	29	0	24	372	13.0	16	0	10	308
	Trauma	29.5	21	1	25	152	26.7	19	1	22	144	2.7	3	0	2	26
	--Fracture and/or Dislocation	26.6	18	1	22	128	24.2	17	1	20	122	2.4	3	0	1	24
	--Manipulation	2.9	4	0	1	38	2.5	4	0	1	36	0.4	1	0	0	8
	Arthrodesis	14.6	13	0	12	172	13.2	12	0	10	160	1.5	2	0	1	14
	Amputation	6.1	7	0	4	76	5.4	7	0	4	76	0.7	1	0	0	9
	Arthroscopy	0.0	0	0	0	2	0.0	0	0	0	2	0.0	0	0	0	0
	Other Procedures	1.5	3	0	0	29	1.0	2	0	0	26	0.5	1	0	0	14
	TOTAL-Foot/Toes	116.7	72	4	106	992	94.0	64	2	84	944	22.7	19	0	19	340

ORTHOPAEDIC 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: October 10, 2012

[PART 5]		Programs in the Nation: 149					Residents in the Nation: 675									
		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	0.7	2	0	0	21	0.6	2	0	0	18	0.1	0	0	0	5
	Excision	6.4	7	0	4	56	4.9	6	0	3	55	1.4	2	0	1	16
	Intro or Removal	115.4	86	0	106	932	95.7	77	0	85	877	19.7	16	0	17	152
	Repair/ Revisn/ Reconst	0.0	0	0	0	2	0.0	0	0	0	2	0.0	0	0	0	1
	Trauma	0.1	1	0	0	9	0.1	1	0	0	9	0.0	0	0	0	1
	--Fracture and/or Dislocation	0.1	1	0	0	9	0.1	1	0	0	9	0.0	0	0	0	1
	Arthroscopy	1.7	5	0	0	75	1.5	4	0	0	75	0.2	1	0	0	10
	Other Procedures	114.5	142	0	58	943	67.0	97	0	28	634	47.5	57	0	26	349
	TOTAL-Other Musclskel	238.8	196	1	190	1,610	169.9	146	0	134	1,326	68.9	65	0	49	400
Spine	Excision	5.9	14	0	2	152	2.1	6	0	0	124	3.7	11	0	0	148
	Fracture and/or Dislocation	6.3	15	0	2	186	5.8	14	0	2	186	0.4	1	0	0	14
	Decompression	48.8	51	0	37	784	47.6	50	0	36	779	1.2	2	0	0	23
	Osteotomy	0.4	2	0	0	21	0.2	1	0	0	11	0.2	1	0	0	16
	Arthrodesis/Anterior	16.8	16	0	13	161	16.3	16	0	12	161	0.6	2	0	0	27
	Arthrodesis/Posterior	43.1	40	0	32	324	37.6	36	0	28	324	5.5	12	0	1	102
	Arthrodesis/Deformity	9.8	9	0	8	80	2.4	4	0	1	36	7.3	7	0	6	45
	Exploration	1.6	3	0	1	28	1.2	2	0	0	28	0.4	1	0	0	7
	Instrumentation	40.3	35	0	33	404	29.9	31	0	22	356	10.4	10	0	8	92
	Other Procedures	2.5	4	0	1	42	1.2	3	0	0	38	1.3	2	0	0	19
TOTAL-Spine	175.4	133	16	148	1,417	144.4	123	1	114	1,368	31.1	28	0	25	259	

ORTHOPAEDIC 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: October 10, 2012

[PART 6]		Programs in the Nation: 149					Residents in the Nation: 675									
		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	91.9	78	0	76	728	82.4	72	0	66	676	9.4	10	0	7	64
	Repair (Closure)	13.5	17	0	8	161	11.8	15	0	7	133	1.7	3	0	1	54
	Skin Grafts	6.6	12	0	4	228	6.0	11	0	4	212	0.6	1	0	0	16
	Flaps	2.0	3	0	1	19	1.8	3	0	1	17	0.1	0	0	0	4
	Other Procedures	1.2	4	0	0	54	1.0	4	0	0	54	0.2	1	0	0	5
	TOTAL-Integumentary	115.2	95	0	95	996	103.2	86	0	85	920	12.0	12	0	9	91
Nervous System	Incision/Excision	1.8	2	0	1	20	1.7	2	0	1	20	0.1	0	0	0	3
	Neuroplasty	16.1	12	0	14	104	15.5	12	0	13	100	0.7	1	0	0	11
	Transection or Avulsion	0.2	1	0	0	11	0.1	1	0	0	8	0.0	0	0	0	3
	Neurorrhaphy	5.4	6	0	4	46	4.9	5	0	3	43	0.5	1	0	0	12
	Carpal Tunnel	36.4	24	0	31	190	36.1	24	0	30	190	0.3	1	0	0	7
	Other Procedures	0.3	1	0	0	23	0.2	1	0	0	23	0.0	0	0	0	2
	TOTAL-Nervous System	60.2	34	2	53	280	58.5	34	2	51	264	1.6	2	0	1	16
Miscellaneous	TOTAL-Miscellaneous	75.6	86	0	52	722	64.7	73	0	45	710	10.9	20	0	5	211
Oncology Cases	TOTAL-Oncology Cases	44.0	43	0	33	584	37.6	39	0	28	520	6.4	8	0	4	64
Microsurgeries	TOTAL-Microsurgeries	36.0	79	0	14	1,128	33.4	76	0	13	1,084	2.6	6	0	0	58
Trauma Cases	TOTAL-Trauma	537.3	229	115	495	3,220	434.5	189	91	401	2,564	102.8	61	12	91	656
Total of all procedures	TOTAL-Procedures	2,278.2	770	810	2,211	11,160	1,920.4	653	730	1,853	9,764	357.8	180	56	333	2,220

ORTHOPAEDIC SURGERY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)

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

Residency Review Committee for Orthopaedic Surgery

Report Date: October 10, 2012

[PART 1]		Programs in the Nation: 149					Residents in the Nation: 675									
		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	6	0	1	1	3	5	0	0	0	0	1
	Excision	1	4	7	10	17	1	4	6	9	16	0	0	0	1	2
	Intro or Removal	0	0	1	1	3	0	0	1	1	3	0	0	0	0	0
	Repair/ Revis/ Reconst	15	26	37	50	72	15	25	35	49	70	0	0	1	1	3
	Trauma	12	19	26	35	54	11	17	24	32	50	0	1	2	3	6
	--Fracture and/or Dislocation	9	15	20	27	42	8	13	18	25	39	0	0	1	2	5
	--Manipulation	1	3	5	8	14	0	2	4	7	13	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	48	83	113	155	221	47	82	112	153	219	0	0	1	2	7
	Other Procedures	0	0	0	1	3	0	0	0	1	2	0	0	0	0	0
TOTAL-Shoulder		108	160	199	247	328	101	153	191	239	318	1	3	5	8	14
Humerus/Elbow	Incision	0	2	3	5	8	0	1	3	4	7	0	0	0	1	2
	Excision	2	4	6	8	12	1	3	5	7	11	0	0	1	1	3
	Intro or Removal	0	0	1	2	4	0	0	1	1	3	0	0	0	1	2
	Repair/ Revis/ Reconst	6	10	13	18	25	5	9	12	16	24	0	0	1	1	3
	Trauma	31	44	55	68	91	16	22	29	36	51	11	19	24	32	49
	--Fracture and/or Dislocation	26	38	47	58	77	13	20	25	31	42	9	15	21	28	41
	--Manipulation	1	3	6	11	20	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	0	1	0	0	0	0	1	0	0	0	0	0
	Arthroscopy	0	1	2	4	7	0	1	2	3	7	0	0	0	0	2
	Other Procedures	0	0	0	1	3	0	0	0	1	2	0	0	0	0	1
TOTAL-Humerus/Elbow		54	71	86	102	133	32	47	56	66	90	13	23	28	37	56

ORTHOPAEDIC SURGERY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)

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

Residency Review Committee for Orthopaedic Surgery

Report Date: October 10, 2012

[PART 2]		Programs in the Nation: 149					Residents in the Nation: 675									
		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	3	5	8	13	0	0	0	1	2
	Excision	5	9	12	16	24	4	8	11	15	23	0	0	1	2	4
	Intro or Removal	0	0	1	2	3	0	0	1	1	3	0	0	0	0	1
	Repair/ Revisn/ Reconst	6	12	18	25	39	5	9	16	22	36	0	0	1	3	7
	Trauma	46	68	89	115	155	29	46	60	75	106	8	17	27	37	62
	--Fracture and/or Dislocation	29	42	53	65	92	22	34	45	55	73	2	5	8	11	20
	--Manipulation	4	21	32	47	77	1	6	12	22	40	1	9	17	26	45
	Arthrodesis	0	1	2	3	5	0	1	1	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	4	7	14	0	2	4	7	14	0	0	0	0	1
	Other Procedures	0	0	0	1	3	0	0	0	1	3	0	0	0	0	1
TOTAL-Forearm/Wrist		83	115	144	172	217	60	86	106	129	168	11	22	32	44	69
Hand/Fingers	Incision	12	20	28	36	54	10	18	24	33	50	0	1	2	3	6
	Excision	5	10	14	19	29	4	9	13	17	27	0	0	1	1	3
	Intro or Removal	0	0	1	1	4	0	0	0	1	3	0	0	0	0	0
	Repair/ Revisn/ Reconst	11	20	27	36	53	9	16	22	31	46	0	2	3	6	12
	Trauma	13	22	33	44	68	10	18	27	37	59	1	2	4	7	14
	--Fracture and/or Dislocation	10	18	25	35	51	8	15	22	30	44	0	1	3	5	9
	--Manipulation	0	1	4	9	24	0	1	2	6	20	0	0	1	2	6
	Arthrodesis	0	2	3	5	9	0	1	3	5	9	0	0	0	0	1
	Amputation	1	3	5	9	15	1	3	5	7	13	0	0	0	1	3
	Other Procedures	0	0	0	2	5	0	0	0	1	4	0	0	0	0	1
	TOTAL-Hand/Fingers		66	98	119	144	203	55	84	104	130	183	5	9	14	20

ORTHOPAEDIC SURGERY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)

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

Residency Review Committee for Orthopaedic Surgery

Report Date: October 10, 2012

[PART 3]		Programs in the Nation: 149					Residents in the Nation: 675									
		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	7	11	15	23	1	3	5	7	13	1	2	5	7	13
	Excision	1	3	5	7	12	1	2	4	6	10	0	0	0	1	2
	Intro or Removal	1	3	5	7	13	0	1	2	4	7	0	0	2	3	7
	Repair/ Revisn/ Reconst	56	83	104	126	171	48	73	93	116	158	3	6	9	13	20
	Trauma	43	60	76	95	134	40	56	71	89	127	1	2	4	6	10
	--Fracture and/or Dislocation	38	53	66	84	120	35	50	62	79	115	0	2	3	5	8
	--Manipulation	2	4	7	11	19	1	3	6	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
	Arthroscopy	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	Other Procedures	0	1	2	4	12	0	0	1	3	9	0	0	0	1	2
	TOTAL-Pelvis/Hip		140	182	214	249	310	117	158	189	221	283	10	17	23	31
Femur/Knee	Incision	3	7	10	15	25	2	5	8	12	21	0	1	2	3	6
	Excision	4	8	12	18	28	3	6	10	14	23	0	1	2	3	6
	Intro or Removal	0	0	1	2	6	0	0	1	2	4	0	0	0	1	2
	Repair/ Revisn/ Reconst	91	128	151	183	237	78	112	135	166	222	5	9	13	19	29
	Trauma	42	56	69	84	119	34	46	57	70	102	4	7	11	15	22
	--Fracture and/or Dislocation	34	46	58	71	101	28	40	49	61	88	2	5	8	11	18
	--Manipulation	3	7	10	14	24	2	4	7	10	18	0	1	2	4	7
	Arthrodesis	0	0	0	1	2	0	0	0	1	2	0	0	0	0	0
	Amputation	0	1	2	4	8	0	1	2	4	7	0	0	0	0	1
	Arthroscopy	94	139	176	223	297	85	128	161	207	277	3	7	12	18	31
	Other Procedures	0	0	1	2	6	0	0	1	2	4	0	0	0	0	2
	TOTAL-Femur/Knee		313	398	447	512	620	269	345	400	460	567	23	36	46	57

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

Residency Review Committee for Orthopaedic Surgery

Report Date: October 10, 2012

[PART 4]		Programs in the Nation: 149					Residents in the Nation: 675									
		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	6	11	17	22	34	3	6	9	13	22	1	4	6	10	15
	Excision	3	5	8	12	18	1	3	6	9	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/ Revisn/ Reconst	20	30	40	53	74	11	18	25	35	53	3	7	13	18	30
	Trauma	70	93	114	141	189	60	82	101	123	170	5	8	13	17	27
	--Fracture and/or Dislocation	60	79	95	116	154	53	69	86	104	142	3	6	9	12	19
	--Manipulation	2	7	14	25	51	1	5	10	20	42	0	1	3	5	10
	Arthrodesis	0	2	3	5	9	0	2	3	5	9	0	0	0	0	0
	Amputation	1	3	5	8	14	1	2	4	8	13	0	0	0	1	2
	Arthroscopy	1	3	6	9	15	1	3	5	9	14	0	0	0	1	2
	Other Procedures	0	1	2	4	8	0	1	2	3	7	0	0	0	0	2
	TOTAL-Leg/Ankle		134	179	210	252	307	105	143	169	205	258	19	30	39	48
Foot/Toes	Incision	0	2	4	7	12	0	2	3	6	10	0	0	0	1	3
	Excision	4	8	11	17	27	2	6	8	13	22	0	1	2	3	6
	Intro or Removal	0	0	1	2	4	0	0	0	1	3	0	0	0	0	1
	Repair/ Revisn/ Reconst	14	24	36	51	81	6	14	24	37	60	2	6	10	15	25
	Trauma	10	17	25	33	53	9	15	22	31	49	0	1	2	3	7
	--Fracture and/or Dislocation	9	16	22	31	48	8	14	20	29	44	0	1	1	3	6
	--Manipulation	0	0	1	3	8	0	0	1	3	7	0	0	0	0	1
	Arthrodesis	4	8	12	17	29	3	6	10	15	26	0	0	1	2	4
	Amputation	0	2	4	7	13	0	2	4	7	13	0	0	0	1	2
	Arthroscopy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Other Procedures	0	0	0	1	4	0	0	0	1	3	0	0	0	0	2
	TOTAL-Foot/Toes		50	78	106	134	191	36	60	84	109	162	8	13	19	26

ORTHOPAEDIC SURGERY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)

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

Residency Review Committee for Orthopaedic Surgery

Report Date: October 10, 2012

[PART 5]		Programs in the Nation: 149					Residents in the Nation: 675									
		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	1	2	0	0	0	0	2	0	0	0	0	0
	Excision	0	2	4	8	15	0	1	3	6	12	0	0	1	2	4
	Intro or Removal	25	70	106	139	201	18	57	85	113	173	2	11	17	25	40
	Repair/ Revisn/ 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 and/or 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	4	0	0	0	0	0
	Other Procedures	9	26	58	124	299	2	10	28	65	190	3	12	26	50	127
	TOTAL-Other Musclskel	57	130	190	272	486	37	91	134	190	339	11	29	49	78	156
Spine	Excision	0	0	2	5	16	0	0	0	2	6	0	0	0	2	9
	Fracture and/or Dislocation	0	0	2	5	14	0	0	2	4	14	0	0	0	0	1
	Decompression	11	24	37	56	97	10	23	36	55	95	0	0	0	1	4
	Osteotomy	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	Arthrodesis/Anterior	2	7	13	20	36	2	7	12	20	34	0	0	0	0	2
	Arthrodesis/Posterior	7	20	32	51	87	6	16	28	44	79	0	0	1	4	16
	Arthrodesis/Deformity	1	4	8	12	19	0	0	1	2	7	1	3	6	9	15
	Exploration	0	0	1	2	5	0	0	0	1	4	0	0	0	0	1
	Instrumentation	7	19	33	50	81	3	11	22	37	65	1	4	8	14	23
	Other Procedures	0	0	1	3	7	0	0	0	1	3	0	0	0	1	4
TOTAL-Spine	57	97	148	204	316	37	73	114	176	272	5	15	25	38	61	

ORTHOPAEDIC SURGERY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)

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

Residency Review Committee for Orthopaedic Surgery

Report Date: October 10, 2012

[PART 6]		Programs in the Nation: 149					Residents in the Nation: 675									
		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	10	41	76	120	191	8	35	66	108	173	0	3	7	11	22
	Repair (Closure)	0	3	8	15	33	0	2	7	14	30	0	0	1	2	5
	Skin Grafts	0	2	4	8	15	0	1	4	7	14	0	0	0	1	2
	Flaps	0	0	1	2	5	0	0	1	2	5	0	0	0	0	1
	Other Procedures	0	0	0	1	2	0	0	0	0	2	0	0	0	0	1
	TOTAL-Integumentary		15	53	95	153	241	13	47	85	134	215	1	4	9	15
Nervous System	Incision/Excision	0	0	1	2	5	0	0	1	2	4	0	0	0	0	0
	Neuroplasty	5	9	14	19	30	4	9	13	18	29	0	0	0	1	2
	Transection or Avulsion	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Neurorrhaphy	0	2	4	6	13	0	2	3	6	12	0	0	0	0	2
	Carpal Tunnel	13	22	31	42	67	12	22	30	42	67	0	0	0	0	1
	Other Procedures	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	TOTAL-Nervous System		26	39	53	72	102	25	38	51	69	99	0	0	1	2
Miscellaneous	TOTAL-Miscellaneous	12	31	52	84	144	9	27	45	74	128	0	2	5	9	23
Oncology Cases	TOTAL-Oncology Cases	5	19	33	55	92	3	15	28	46	81	0	1	4	8	15
Microsurgeries	TOTAL-Microsurgeries	0	3	14	29	89	0	2	13	27	83	0	0	0	2	8
Trauma Cases	TOTAL-Trauma	310	411	495	608	786	250	326	401	494	647	42	74	91	118	175
Total of all procedures	TOTAL-Procedures	1,574	1,974	2,211	2,457	2,961	1,313	1,676	1,853	2,089	2,472	196	259	333	404	538