



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.
 - ii. "Natl Res MED" — The median value among procedure counts in the nation.
 - ii. "Natl Res MODE" — The most commonly occurring value among procedure counts in the nation.
 - ii. "Natl Res MIN" — The minimum value among procedure counts in the nation.
 - iii. "Natl Res MAX" — The maximum value seen among procedure counts in the nation.
 - iv. "Natl Res SUM" — This statistics represents the sum of all 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.

ORTHOPAEDIC SURGERY: NATIONAL RESIDENT REPORT (Main Table)
Reporting Period: Total Experience of Residents Completing Programs in 2008-2009
Residency Review Committee for Orthopaedic Surgery

[PART 1]		Programs in the Nation: 148								Residents in the Nation: 635												
		All Patients							Adult Only							Pediatric Only						
		Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res MIN	Natl Res MAX	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res MIN	Natl Res MAX	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res MIN	Natl Res MAX	Natl Res SUM
RRC Area	RRC Procedure																					
Shoulder	Incision	2.1	2	1	0	0	14	1,326	1.9	2	1	0	0	13	1,185	0.2	1	0	0	0	5	141
	Excision	8.8	8	6	4	0	60	5,603	8.2	8	6	5	0	57	5,207	0.6	1	0	0	0	7	396
	Intro or Removal	1.0	2	0	0	0	15	644	1.0	2	0	0	0	15	621	0.0	0	0	0	0	3	23
	Repair/ Revise/ Reconst	35.3	21	31	17	0	159	22,418	34.4	21	31	21	0	159	21,819	0.9	1	0	0	0	13	599
	Trauma	23.6	14	21	12	0	98	15,008	21.7	13	19	13	0	81	13,763	2.0	3	1	0	0	21	1,245
	-- Fracture/ Dislocation	18.3	11	16	13	0	73	11,629	16.9	11	14	12	0	70	10,732	1.4	2	1	0	0	21	897
	-- Manipulation	5.3	5	4	2	0	30	3,379	4.8	5	4	2	0	29	3,031	0.5	1	0	0	0	11	348
	Arthrodesis	0.1	0	0	0	0	2	65	0.1	0	0	0	0	2	62	0.0	0	0	0	0	1	3
	Amputation	0.2	0	0	0	0	3	125	0.2	0	0	0	0	3	115	0.0	0	0	0	0	2	10
	Arthroscopy	106.7	67	93	47	1	505	67,734	104.8	66	91	60	1	504	66,564	1.8	3	1	0	0	37	1,170
	Other	1.0	2	0	0	0	32	606	0.9	2	0	0	0	28	558	0.1	0	0	0	0	4	48
	TOTAL- Shoulder	178.8	86	169	175	1	610	113,529	173.1	84	164	197	1	608	109,894	5.7	6	4	2	0	46	3,635
Humerus/Elbow	Incision	4.2	4	3	2	0	25	2,645	3.6	4	3	2	0	24	2,258	0.6	1	0	0	0	6	387
	Excision	6.4	5	6	4	0	26	4,076	5.4	4	4	4	0	25	3,414	1.0	1	1	0	0	10	662
	Intro or Removal	1.6	2	1	0	0	13	1,040	1.2	1	1	0	0	12	747	0.5	1	0	0	0	8	293
	Repair/ Revise/ Reconst	13.6	8	12	10	0	46	8,610	12.2	8	11	7	0	45	7,740	1.4	2	1	0	0	13	870
	Trauma	54.4	29	48	43	2	260	34,541	29.7	16	27	19	1	190	18,889	24.6	18	21	20	0	145	15,652
	-- Fracture/ Dislocation	47.4	25	42	40	2	227	30,082	26.1	14	23	15	1	157	16,574	21.3	16	18	18	0	144	13,508
	-- Manipulation	7.0	8	5	0	0	55	4,459	3.6	5	2	0	0	37	2,315	3.4	5	2	0	0	47	2,144
	Arthrodesis	0.0	0	0	0	0	3	31	0.0	0	0	0	0	3	29	0.0	0	0	0	0	1	2
	Amputation	0.4	1	0	0	0	3	263	0.4	1	0	0	0	3	231	0.1	0	0	0	0	2	32
	Arthroscopy	2.9	4	2	0	0	40	1,860	2.5	3	2	0	0	36	1,584	0.4	1	0	0	0	10	276
	Other	0.9	2	0	0	0	36	596	0.8	2	0	0	0	30	483	0.2	1	0	0	0	6	113
	TOTAL- Humerus/Elbow	84.5	37	78	48	2	326	53,662	55.7	25	52	38	1	252	35,375	28.8	19	26	29	0	148	18,287

ORTHOPAEDIC SURGERY: NATIONAL RESIDENT REPORT (Main Table)
Reporting Period: Total Experience of Residents Completing Programs in 2008-2009
Residency Review Committee for Orthopaedic Surgery

[PART 2]

Programs in the Nation: 148 Residents in the Nation: 635

		All Patients							Adult Only							Pediatric Only						
		Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res MIN	Natl Res MAX	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res MIN	Natl Res MAX	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res MIN	Natl Res MAX	Natl Res SUM
RRC Area	RRC Procedure																					
Forearm/Wrist	Incision	7.0	6	6	6	0	56	4,452	6.4	6	5	3	0	56	4,080	0.6	1	0	0	0	9	372
	Excision	12.2	9	11	8	0	122	7,774	11.0	8	9	8	0	118	7,004	1.2	2	1	0	0	13	770
	Intro or Removal	1.3	2	1	0	0	22	801	1.0	2	1	0	0	14	665	0.2	1	0	0	0	19	136
	Repair/ Revise/ Reconst	21.2	15	18	9	0	103	13,468	18.6	14	15	8	0	92	11,821	2.6	3	2	0	0	19	1,647
	Trauma	85.7	46	75	70	3	288	54,446	59.5	31	55	45	3	191	37,760	26.3	23	20	8	0	175	16,686
	-- Fracture/ Dislocation	56.9	29	51	41	3	284	36,159	47.3	24	43	36	3	155	30,047	9.6	11	7	6	0	174	6,112
	-- Manipulation	28.8	29	19	0	0	161	18,287	12.1	15	6	0	0	79	7,713	16.7	19	11	0	0	142	10,574
	Arthrodesis	2.2	2	2	1	0	15	1,425	2.1	2	2	1	0	15	1,328	0.2	0	0	0	0	3	97
	Amputation	0.4	1	0	0	0	6	263	0.4	1	0	0	0	5	240	0.0	0	0	0	0	2	23
	Arthroscopy	5.7	5	4	3	0	37	3,640	5.5	5	4	1	0	36	3,488	0.2	1	0	0	0	6	152
	Other	1.1	2	0	0	0	27	685	0.9	2	0	0	0	23	565	0.2	1	0	0	0	6	120
	TOTAL- Forearm/Wrist	136.9	59	126	113	3	390	86,954	105.4	45	98	84	3	298	66,951	31.5	24	26	14	0	175	20,003
Hand/Fingers	Incision	27.8	16	26	11	0	107	17,651	25.3	15	23	12	0	106	16,050	2.5	3	2	0	0	39	1,601
	Excision	15.2	10	13	8	0	60	9,649	14.0	9	12	10	0	56	8,900	1.2	2	1	0	0	10	749
	Intro or Removal	1.3	2	1	0	0	19	854	1.2	2	1	0	0	18	789	0.1	0	0	0	0	3	65
	Repair/ Revise/ Reconst	30.5	18	27	19	0	119	19,352	26.1	17	22	17	0	106	16,554	4.4	5	3	0	0	37	2,798
	Trauma	32.1	23	27	21	0	198	20,364	26.9	19	23	20	0	157	17,081	5.2	7	3	1	0	59	3,283
	-- Fracture/ Dislocation	26.0	17	23	21	0	136	16,511	22.6	15	20	16	0	109	14,351	3.4	4	2	0	0	43	2,160
	-- Manipulation	6.1	10	2	0	0	88	3,853	4.3	8	1	0	0	72	2,730	1.8	4	0	0	0	51	1,123
	Arthrodesis	3.6	3	3	1	0	18	2,297	3.4	3	3	1	0	17	2,166	0.2	1	0	0	0	5	131
	Amputation	6.7	6	5	2	0	47	4,257	5.9	6	4	2	0	45	3,732	0.8	1	0	0	0	7	525
	Other	1.8	4	1	0	0	35	1,162	1.6	3	0	0	0	35	993	0.3	1	0	0	0	6	169
	TOTAL- Hand/Fingers	119.0	55	111	88	2	360	75,586	104.4	49	97	98	2	311	66,265	14.7	12	12	6	0	83	9,321

ORTHOPAEDIC SURGERY: NATIONAL RESIDENT REPORT (Main Table)
Reporting Period: Total Experience of Residents Completing Programs in 2008-2009
Residency Review Committee for Orthopaedic Surgery

[PART 3]		Programs in the Nation: 148 Residents in the Nation: 635																					
		All Patients							Adult Only							Pediatric Only							
		Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res MIN	Natl Res MAX	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res MIN	Natl Res MAX	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res MIN	Natl Res MAX	Natl Res SUM	
RRC Area	RRC Procedure																						
Pelvis/Hip	Incision	13.2	9	12	10	0	97	8,384	6.3	5	5	4	0	69	4,025	6.9	6	5	2	0	69	4,359	
	Excision	5.2	6	4	1	0	76	3,319	4.4	5	3	1	0	73	2,789	0.8	1	0	0	0	10	530	
	Intro or Removal	6.0	5	5	3	0	34	3,804	3.3	3	2	1	0	25	2,080	2.7	3	2	0	0	22	1,724	
	Repair/ Revise/ Reconst	98.5	42	92	78	0	309	62,549	87.6	41	81	73	0	299	55,650	10.9	8	10	8	0	102	6,899	
	Trauma	77.5	37	70	69	1	257	49,218	72.6	36	66	60	1	245	46,132	4.9	4	4	3	0	24	3,086	
	-- Fracture/ Dislocation	69.8	34	64	50	0	246	44,337	66.4	34	60	45	0	244	42,135	3.5	3	3	2	0	18	2,202	
	-- Manipulation	7.7	7	6	1	0	52	4,881	6.3	6	5	1	0	50	3,997	1.4	2	1	0	0	19	884	
	Arthrodesis	0.3	1	0	0	0	7	181	0.2	1	0	0	0	7	146	0.1	0	0	0	0	2	35	
	Amputation	0.4	1	0	0	0	4	267	0.4	1	0	0	0	4	250	0.0	0	0	0	0	2	17	
	Other	3.1	5	2	0	0	47	1,942	2.5	4	1	0	0	35	1,592	0.6	1	0	0	0	13	350	
	TOTAL- Pelvis/Hip	204.2	66	202	189	1	454	129,664	177.4	63	173	177	1	423	112,664	26.8	15	24	25	0	134	17,000	
Femur/Knee	Incision	13.5	10	11	7	0	64	8,549	10.9	8	9	5	0	53	6,914	2.6	4	2	0	0	58	1,635	
	Excision	13.6	10	12	5	0	90	8,624	11.0	9	9	4	0	87	6,960	2.6	2	2	1	0	15	1,664	
	Intro or Removal	2.4	4	1	0	0	57	1,518	1.7	3	1	0	0	54	1,100	0.7	2	0	0	0	18	418	
	Repair/ Revise/ Reconst	145.1	55	138	110	0	435	92,158	130.5	54	123	106	0	425	82,871	14.6	10	12	6	0	64	9,287	
	Trauma	74.2	35	67	74	1	291	47,118	61.9	30	57	57	1	245	39,316	12.3	9	11	6	0	94	7,802	
	-- Fracture/ Dislocation	64.1	32	58	35	1	257	40,675	54.7	28	50	32	1	217	34,740	9.3	7	8	8	0	71	5,935	
	-- Manipulation	10.1	8	8	5	0	50	6,443	7.2	6	6	4	0	38	4,576	2.9	4	2	0	0	25	1,867	
	Arthrodesis	0.6	1	0	0	0	7	352	0.5	1	0	0	0	7	321	0.0	0	0	0	0	3	31	
	Amputation	3.0	3	2	2	0	23	1,926	2.8	3	2	0	0	21	1,759	0.3	1	0	0	0	4	167	
	Arthroscopy	177.6	89	165	147	0	1,104	112,800	164.5	85	151	106	0	1,057	104,460	13.1	12	9	7	0	84	8,340	
	Other	2.6	7	1	0	0	101	1,677	1.9	5	1	0	0	66	1,195	0.8	2	0	0	0	35	482	
	TOTAL- Femur/Knee	432.6	127	430	415	7	1,347	274,722	385.7	119	381	336	6	1,290	244,896	47.0	24	44	36	0	191	29,826	

ORTHOPAEDIC SURGERY: NATIONAL RESIDENT REPORT (Main Table)
Reporting Period: Total Experience of Residents Completing Programs in 2008-2009
Residency Review Committee for Orthopaedic Surgery

[PART 4]		Programs in the Nation: 148 Residents in the Nation: 635																					
		All Patients							Adult Only							Pediatric Only							
		Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res MIN	Natl Res MAX	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res MIN	Natl Res MAX	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res MIN	Natl Res MAX	Natl Res SUM	
RRC Area	RRC Procedure																						
Leg/Ankle	Incision	19.3	13	17	19	0	93	12,236	11.6	10	9	7	0	78	7,378	7.7	7	6	4	0	57	4,858	
	Excision	8.6	6	8	3	0	53	5,477	6.3	5	5	3	0	48	3,998	2.3	2	2	0	0	14	1,479	
	Intro or Removal	0.1	0	0	0	0	5	63	0.0	0	0	0	0	3	24	0.1	0	0	0	0	5	39	
	Repair/ Revise/ Reconst	40.2	32	36	27	0	625	25,557	25.1	28	20	18	0	567	15,941	15.1	11	13	10	0	73	9,616	
	Trauma	111.6	48	104	75	2	349	70,877	98.4	44	92	55	2	301	62,461	13.3	9	11	9	0	70	8,416	
	-- Fracture/ Dislocation	97.5	42	91	76	2	305	61,885	87.9	39	81	67	2	285	55,833	9.5	7	8	6	0	70	6,052	
	-- Manipulation	14.2	16	9	0	0	100	8,992	10.4	13	6	0	0	82	6,628	3.7	5	2	0	0	37	2,364	
	Arthrodesis	3.6	3	3	3	0	35	2,315	3.6	3	3	3	0	35	2,268	0.1	0	0	0	0	3	47	
	Amputation	5.9	5	5	3	0	32	3,738	5.4	5	4	3	0	31	3,447	0.5	1	0	0	0	6	291	
	Arthroscopy	6.0	5	5	1	0	32	3,790	5.6	5	4	2	0	31	3,531	0.4	1	0	0	0	6	259	
	Other	3.3	6	2	1	0	78	2,066	2.6	5	1	0	0	69	1,677	0.6	1	0	0	0	12	389	
	TOTAL- Leg/Ankle	198.6	72	191	147	2	867	126,119	158.6	63	153	178	2	695	100,725	40.0	20	38	23	0	172	25,394	
Foot/Toes	Incision	5.8	6	4	2	0	56	3,712	4.7	6	3	0	0	56	3,001	1.1	2	0	0	0	23	711	
	Excision	12.0	9	11	6	0	81	7,645	9.4	8	8	2	0	77	5,999	2.6	3	2	1	0	17	1,646	
	Intro or Removal	1.4	2	1	0	0	12	901	1.0	1	0	0	0	10	607	0.5	1	0	0	0	7	294	
	Repair/ Revise/ Reconst	38.1	28	32	14	0	214	24,179	25.6	24	19	7	0	196	16,280	12.4	11	10	6	0	62	7,899	
	Trauma	25.2	18	21	20	0	206	16,004	23.1	17	19	17	0	200	14,641	2.1	3	1	0	0	22	1,363	
	-- Fracture/ Dislocation	23.3	16	20	15	0	189	14,771	21.4	15	18	14	0	183	13,576	1.9	2	1	0	0	22	1,195	
	-- Manipulation	1.9	3	1	0	0	24	1,233	1.7	3	1	0	0	19	1,065	0.3	1	0	0	0	11	168	
	Arthrodesis	11.3	9	9	6	0	111	7,168	9.6	9	8	4	0	107	6,125	1.6	2	1	0	0	16	1,043	
	Amputation	5.9	6	4	1	0	39	3,725	5.1	6	3	0	0	38	3,242	0.8	1	0	0	0	10	483	
	Other	1.5	4	0	0	0	65	950	1.0	3	0	0	0	53	640	0.5	1	0	0	0	17	310	
	TOTAL- Foot/Toes	101.2	56	91	80	1	544	64,284	79.6	50	71	77	0	513	50,535	21.7	15	18	13	0	87	13,749	

ORTHOPAEDIC SURGERY: NATIONAL RESIDENT REPORT (Main Table)
Reporting Period: Total Experience of Residents Completing Programs in 2008-2009
Residency Review Committee for Orthopaedic Surgery

[PART 5]		Programs in the Nation: 148 Residents in the Nation: 635																							
		All Patients							Adult Only							Pediatric Only									
		Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res MIN	Natl Res MAX	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res MIN	Natl Res MAX	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res MIN	Natl Res MAX	Natl Res SUM			
RRC Area	RRC Procedure																								
Other Musculoskeletal	Incision	0.7	2	0	0	0	22	448	0.6	2	0	0	0	20	382	0.1	0	0	0	0	0	2	66		
	Excision	5.0	6	3	1	0	66	3,147	3.8	5	2	0	0	59	2,402	1.2	2	1	0	0	0	12	745		
	Intro or Removal	90.2	62	81	0	0	367	57,255	72.4	55	60	0	0	312	45,956	17.8	13	16	0	0	0	94	11,299		
	Repair/ Revise/ Reconst	0.0	0	0	0	0	2	11	0.0	0	0	0	0	2	8	0.0	0	0	0	0	0	1	3		
	Trauma	0.1	0	0	0	0	5	39	0.1	0	0	0	0	5	36	0.0	0	0	0	0	0	1	3		
	Fracture / Dislocation	0.1	0	0	0	0	5	39	0.1	0	0	0	0	5	36	0.0	0	0	0	0	0	1	3		
	Arthroscopy	1.0	2	0	0	0	19	634	0.9	2	0	0	0	19	573	0.1	0	0	0	0	0	4	61		
	Other	73.1	116	34	1	0	1,091	46,421	41.5	78	14	0	0	737	26,328	31.6	45	15	0	0	0	354	20,093		
	TOTAL- Other Musc	170.0	153	133	64	0	1,464	107,955	119.2	110	91	54	0	1,051	75,685	50.8	53	36	18	0	0	413	32,270		
Spine	Excision- Spine	3.5	8	1	0	0	125	2,208	1.5	3	0	0	0	34	930	2.0	7	0	0	0	0	118	1,278		
	Osteomy	0.3	1	0	0	0	17	206	0.2	1	0	0	0	6	131	0.1	1	0	0	0	0	12	75		
	Fracture/Dislocate	4.5	8	2	0	0	105	2,857	4.1	8	1	0	0	95	2,610	0.4	1	0	0	0	0	10	247		
	Decompression	39.8	36	31	11	0	254	25,296	38.9	36	30	21	0	254	24,694	0.9	2	0	0	0	0	38	602		
	Arthrodesis Anterior	13.1	13	10	4	0	101	8,325	12.3	12	9	0	0	95	7,823	0.8	2	0	0	0	0	17	502		
	Arthrodesis Posterior	35.0	36	25	18	0	261	22,212	30.2	30	21	8	0	242	19,173	4.8	15	1	0	0	0	229	3,039		
	Arthrodesis Deformity	9.0	8	7	2	0	59	5,687	1.9	3	1	0	0	24	1,231	7.0	7	5	0	0	0	41	4,456		
	Exploration	1.4	2	1	0	0	15	890	1.0	2	0	0	0	14	648	0.4	1	0	0	0	0	9	242		
	Instrumentation	32.5	28	25	13	0	260	20,626	23.5	23	17	0	0	196	14,944	8.9	9	6	0	0	0	64	5,682		
	Other- Spine	2.0	4	1	0	0	36	1,282	1.2	3	0	0	0	31	793	0.8	2	0	0	0	0	26	489		
	TOTAL- Spine	141.1	103	118	87	0	865	89,589	114.9	91	88	57	0	726	72,977	26.2	26	18	14	0	0	277	16,612		

ORTHOPAEDIC SURGERY: NATIONAL RESIDENT REPORT (Main Table)
Reporting Period: Total Experience of Residents Completing Programs in 2008-2009
Residency Review Committee for Orthopaedic Surgery

[PART 6]		Programs in the Nation: 148							Residents in the Nation: 635													
		All Patients							Adult Only							Pediatric Only						
		Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res MIN	Natl Res MAX	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res MIN	Natl Res MAX	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MODE	Natl Res MIN	Natl Res MAX	Natl Res SUM
RRC Area	RRC Procedure																					
Integumentary System	Incision/Excision	80.3	70	66	0	0	398	50,964	72.1	64	56	0	0	357	45,758	8.2	9	5	0	0	53	5,206
	Repair (Closure)	13.3	30	6	0	0	642	8,450	11.7	28	5	0	0	608	7,460	1.6	3	1	0	0	34	990
	Skin Grafts	6.0	7	4	0	0	49	3,820	5.5	6	4	0	0	48	3,484	0.5	1	0	0	0	8	336
	Flaps	2.0	3	1	0	0	16	1,271	1.8	2	1	0	0	16	1,172	0.2	0	0	0	0	4	99
	Other- Integum	1.4	7	0	0	0	139	894	1.2	6	0	0	0	135	760	0.2	1	0	0	0	6	134
	TOTAL- Integumentary	103.0	93	79	16	0	791	65,399	92.3	85	70	18	0	746	58,634	10.7	11	8	0	0	63	6,765
Nervous System	Neuroplasty	13.4	10	11	8	0	100	8,524	12.7	9	11	7	0	100	8,056	0.7	1	0	0	0	21	468
	Transection or Avulsion	0.1	1	0	0	0	18	52	0.0	0	0	0	0	5	22	0.0	1	0	0	0	18	30
	Incision/Excision-Nerve	1.6	2	1	0	0	29	1,014	1.5	2	1	0	0	27	963	0.1	0	0	0	0	3	51
	Neurorrhaphy	6.2	6	4	0	0	39	3,907	5.6	6	4	0	0	38	3,549	0.6	1	0	0	0	12	358
	Other- Nerve	0.2	1	0	0	0	23	145	0.2	1	0	0	0	23	130	0.0	0	0	0	0	2	15
	Carpal Tunnel	31.7	23	28	20	0	148	20,156	31.4	22	28	20	0	148	19,935	0.3	1	0	0	0	11	221
	TOTAL- Nerve	53.2	30	51	53	0	187	33,798	51.4	29	48	55	0	180	32,655	1.8	3	1	0	0	25	1,143
Oncology Procs	TOTAL- Oncology	31.6	32	24	0	0	171	20,091	26.7	28	19	0	0	155	16,971	4.9	7	3	0	0	44	3,120
Microsurgery Procs	TOTAL- Microsurgery	25.8	46	11	0	0	343	16,385	23.8	43	10	0	0	311	15,083	2.1	6	0	0	0	62	1,302
Miscellaneous	TOTAL- Misc	44.2	86	25	0	0	1,187	28,084	37.0	73	20	0	0	953	23,516	7.2	18	2	0	0	239	4,568
Trauma	TOTAL- Trauma	484.4	202	446	246	9	1,456	307,615	393.8	167	359	325	8	1,225	250,079	90.6	57	79	49	1	362	57,536
TOTAL OF ALL PROCS	TOTAL- All Procs	1,967.5	575	1,921	1,815	29	4,742	1,249,345	1,654.8	485	1,633	1,434	16	3,756	1,050,772	312.7	152	291	168	3	1,106	198,573

ORTHOPAEDIC SURGERY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)
Reporting Period: Total Experience of Residents Completing Programs in 2008-2009
Residency Review Committee for Orthopaedic Surgery

[PART 1]		Programs in the Nation: 148 Residents in the Nation: 635																	
		All Patients						Adult Only						Pediatric Only					
		Resident Percentiles						Resident Percentiles						Resident Percentiles					
		10	20	30	50	70	90	10	20	30	50	70	90	10	20	30	50	70	90
RRC Area	RRC Procedure																		
Shoulder	Incision	0	0	1	1	3	5	0	0	0	1	2	5	0	0	0	0	0	1
	Excision	1	3	4	6	10	18	1	2	4	6	10	17	0	0	0	0	1	2
	Intro or Removal	0	0	0	0	1	3	0	0	0	0	1	3	0	0	0	0	0	0
	Repair/ Revise/ Reconst	12	17	22	31	44	63	11	17	21	31	42	62	0	0	0	0	1	3
	Trauma	9	13	15	21	27	42	9	12	14	19	25	40	0	0	0	1	2	5
	-- Fracture/ Dislocation	7	9	12	16	21	33	6	9	11	14	20	31	0	0	0	1	2	3
	-- Manipulation	0	1	2	4	7	12	0	1	2	4	6	11	0	0	0	0	1	2
	Arthrodesis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Amputation	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0
	Arthroscopy	36	53	66	93	129	196	36	52	64	91	126	192	0	0	0	1	2	5
	Other	0	0	0	0	1	2	0	0	0	0	1	2	0	0	0	0	0	0
	TOTAL- Shoulder	82	109	130	169	208	290	77	105	126	164	201	279	1	2	2	4	7	13
Humerus/Elbow	Incision	0	1	2	3	5	9	0	1	1	3	4	8	0	0	0	0	1	2
	Excision	2	3	4	6	8	12	1	2	3	4	7	10	0	0	0	1	1	3
	Intro or Removal	0	0	0	1	2	4	0	0	0	1	2	3	0	0	0	0	0	1
	Repair/ Revise/ Reconst	5	7	9	12	16	25	4	6	7	11	15	22	0	0	0	1	2	3
	Trauma	25	32	38	48	63	89	13	17	20	27	35	51	7	11	15	21	29	45
	-- Fracture/ Dislocation	23	28	32	42	55	78	12	15	18	23	31	42	6	9	12	18	25	38
	-- Manipulation	0	1	2	5	8	18	0	0	1	2	4	9	0	0	1	2	4	9
	Arthrodesis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Amputation	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0
	Arthroscopy	0	0	1	2	3	7	0	0	0	2	3	6	0	0	0	0	0	1
	Other	0	0	0	0	1	3	0	0	0	0	1	2	0	0	0	0	0	1
	TOTAL- Humerus/Elbow	47	55	63	78	96	130	30	35	40	52	64	88	10	14	18	26	34	51

ORTHOPAEDIC SURGERY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)
Reporting Period: Total Experience of Residents Completing Programs in 2008-2009
Residency Review Committee for Orthopaedic Surgery

[PART 2]		Programs in the Nation: 148 Residents in the Nation: 635																	
		All Patients						Adult Only						Pediatric Only					
		Resident Percentiles						Resident Percentiles						Resident Percentiles					
		10	20	30	50	70	90	10	20	30	50	70	90	10	20	30	50	70	90
RRC Area	RRC Procedure																		
Forearm/Wrist	Incision	1	3	4	6	8	13	1	3	3	5	8	12	0	0	0	0	1	2
	Excision	4	6	7	11	15	22	3	5	6	9	13	21	0	0	0	1	2	3
	Intro or Removal	0	0	0	1	1	3	0	0	0	1	1	3	0	0	0	0	0	1
	Repair/ Revise/ Reconst	6	9	11	18	26	41	5	7	9	15	23	36	0	0	1	2	3	7
	Trauma	37	47	56	75	102	150	25	34	40	55	69	104	4	8	10	20	33	56
	-- Fracture/ Dislocation	28	36	41	51	64	93	22	29	33	43	55	80	2	3	5	7	10	20
	-- Manipulation	1	3	7	19	39	72	0	1	2	6	15	34	0	1	3	11	22	42
	Arthrodesis	0	0	1	2	3	5	0	0	1	2	3	5	0	0	0	0	0	1
	Amputation	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0
	Arthroscopy	1	1	2	4	7	13	0	1	2	4	7	12	0	0	0	0	0	1
	Other	0	0	0	0	1	3	0	0	0	0	1	2	0	0	0	0	0	1
	TOTAL- Forearm/Wrist	73	86	100	126	160	222	53	69	78	98	123	171	7	11	16	26	39	62
Hand/Fingers	Incision	10	14	18	26	33	48	9	12	16	23	31	45	0	0	1	2	3	6
	Excision	4	7	9	13	18	28	4	6	8	12	17	27	0	0	0	1	1	3
	Intro or Removal	0	0	0	1	1	4	0	0	0	1	1	3	0	0	0	0	0	0
	Repair/ Revise/ Reconst	11	15	19	27	36	55	8	13	16	22	31	48	0	1	1	3	5	11
	Trauma	11	16	19	27	37	59	8	13	16	23	31	51	0	1	2	3	6	12
	-- Fracture/ Dislocation	9	13	17	23	30	48	7	12	14	20	26	43	0	1	1	2	4	8
	-- Manipulation	0	0	1	2	5	17	0	0	0	1	4	13	0	0	0	0	2	5
	Arthrodesis	0	1	2	3	5	8	0	1	1	3	5	7	0	0	0	0	0	1
	Amputation	1	2	3	5	8	15	1	2	2	4	7	13	0	0	0	0	1	3
	Other	0	0	0	1	2	5	0	0	0	0	1	4	0	0	0	0	0	1
	TOTAL- Hand/Fingers	55	74	88	111	139	187	47	64	76	97	123	171	3	6	8	12	17	28

ORTHOPAEDIC SURGERY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)
Reporting Period: Total Experience of Residents Completing Programs in 2008-2009
Residency Review Committee for Orthopaedic Surgery

[PART 3]		Programs in the Nation: 148 Residents in the Nation: 635																	
		All Patients						Adult Only						Pediatric Only					
		Resident Percentiles						Resident Percentiles						Resident Percentiles					
		10	20	30	50	70	90	10	20	30	50	70	90	10	20	30	50	70	90
RRC Area	RRC Procedure																		
Pelvis/Hip	Incision	4	6	8	12	16	25	1	3	3	5	7	12	1	2	3	5	9	15
	Excision	1	1	2	4	6	11	0	1	2	3	5	9	0	0	0	0	1	2
	Intro or Removal	1	2	3	5	7	12	0	1	1	2	4	7	0	0	1	2	3	7
	Repair/ Revise/ Reconst	51	64	76	92	114	149	43	54	65	81	101	137	3	5	7	10	13	20
	Trauma	40	48	55	70	89	128	36	45	50	66	84	121	1	2	2	4	6	10
	-- Fracture/ Dislocation	34	42	48	64	80	114	32	40	46	60	76	109	0	1	2	3	4	8
	-- Manipulation	1	2	3	6	10	16	1	1	2	5	8	14	0	0	0	1	2	3
	Arthrodesis	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0
	Amputation	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0
	Other	0	0	1	2	3	7	0	0	0	1	3	7	0	0	0	0	1	2
	TOTAL- Pelvis/Hip	124	153	169	202	230	281	103	127	144	173	202	255	11	14	18	24	31	46
Femur/Knee	Incision	3	5	7	11	17	27	2	4	5	9	14	22	0	0	1	2	3	6
	Excision	4	5	7	12	16	26	2	4	5	9	13	21	0	1	1	2	3	6
	Intro or Removal	0	0	0	1	2	6	0	0	0	1	2	4	0	0	0	0	0	2
	Repair/ Revise/ Reconst	84	101	115	138	166	215	70	88	102	123	148	198	4	6	8	12	18	27
	Trauma	38	45	52	67	85	119	30	37	44	57	71	100	3	6	7	11	15	22
	-- Fracture/ Dislocation	31	38	45	58	74	104	26	32	38	50	62	89	2	4	5	8	12	18
	-- Manipulation	2	4	5	8	12	20	1	3	4	6	9	15	0	0	1	2	4	7
	Arthrodesis	0	0	0	0	1	2	0	0	0	0	1	2	0	0	0	0	0	0
	Amputation	0	1	1	2	4	7	0	1	1	2	3	6	0	0	0	0	0	1
	Arthroscopy	88	111	130	165	203	278	79	101	119	151	190	262	2	4	6	9	16	30
	Other	0	0	0	1	2	7	0	0	0	1	2	5	0	0	0	0	1	2
	TOTAL- Femur/Knee	288	328	357	430	491	593	258	289	321	381	436	533	20	28	35	44	55	77

ORTHOPAEDIC SURGERY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)
Reporting Period: Total Experience of Residents Completing Programs in 2008-2009
Residency Review Committee for Orthopaedic Surgery

[PART 4]		Programs in the Nation: 148 Residents in the Nation: 635																	
		All Patients						Adult Only						Pediatric Only					
		Resident Percentiles						Resident Percentiles						Resident Percentiles					
		10	20	30	50	70	90	10	20	30	50	70	90	10	20	30	50	70	90
RRC Area	RRC Procedure																		
Leg/Ankle	Incision	6	9	12	17	23	34	3	4	6	9	14	22	1	3	4	6	9	15
	Excision	2	4	5	8	11	16	1	2	3	5	8	13	0	0	1	2	3	5
	Intro or Removal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Repair/ Revise/ Reconst	18	23	27	36	45	67	9	13	16	20	28	42	4	6	8	13	19	30
	Trauma	60	72	82	104	129	173	52	62	70	92	116	153	4	6	8	11	16	25
	-- Fracture/ Dislocation	53	64	72	91	111	148	46	56	65	81	102	136	3	4	6	8	11	18
	-- Manipulation	1	2	4	9	17	35	0	1	2	6	13	28	0	0	1	2	4	10
	Arthrodesis	0	1	2	3	5	8	0	1	2	3	4	7	0	0	0	0	0	0
	Amputation	1	2	3	5	7	13	0	1	2	4	7	12	0	0	0	0	0	2
	Arthroscopy	1	2	2	5	7	14	1	1	2	4	7	13	0	0	0	0	0	2
	Other	0	0	1	2	3	7	0	0	1	1	3	6	0	0	0	0	1	2
	TOTAL- Leg/Ankle	124	142	156	191	229	280	91	108	122	153	181	230	18	23	29	38	47	65
Foot/Toes	Incision	1	1	2	4	7	13	0	1	2	3	5	11	0	0	0	0	1	3
	Excision	3	5	6	11	15	23	2	3	4	8	12	19	0	0	1	2	3	6
	Intro or Removal	0	0	0	1	2	4	0	0	0	0	1	3	0	0	0	0	1	1
	Repair/ Revise/ Reconst	10	16	21	32	45	75	3	7	11	19	32	56	2	4	6	10	15	25
	Trauma	8	12	16	21	30	44	8	11	14	19	27	41	0	0	0	1	3	5
	-- Fracture/ Dislocation	8	11	14	20	28	41	7	10	13	18	25	37	0	0	0	1	2	5
	-- Manipulation	0	0	0	1	2	5	0	0	0	1	2	5	0	0	0	0	0	1
	Arthrodesis	2	4	6	9	14	22	1	3	4	8	12	20	0	0	0	1	2	4
	Amputation	0	1	2	4	7	14	0	1	1	3	6	13	0	0	0	0	1	2
	Other	0	0	0	0	1	4	0	0	0	0	1	3	0	0	0	0	0	2
	TOTAL- Foot/Toes	42	56	69	91	120	173	26	39	50	71	95	144	6	10	13	18	26	42

ORTHOPAEDIC SURGERY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)
Reporting Period: Total Experience of Residents Completing Programs in 2008-2009
Residency Review Committee for Orthopaedic Surgery

[PART 5]		Programs in the Nation: 148 Residents in the Nation: 635																	
		All Patients						Adult Only						Pediatric Only					
		Resident Percentiles						Resident Percentiles						Resident Percentiles					
		10	20	30	50	70	90	10	20	30	50	70	90	10	20	30	50	70	90
RRC Area	RRC Procedure																		
Other Musculoskeletal	Incision	0	0	0	0	1	2	0	0	0	0	0	2	0	0	0	0	0	0
	Excision	0	1	1	3	5	13	0	0	1	2	4	10	0	0	0	1	1	3
	Intro or Removal	17	38	54	81	111	169	12	28	39	60	90	139	2	6	10	16	22	35
	Repair/ Revise/ Reconst	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 / Dislocation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Arthroscopy	0	0	0	0	1	3	0	0	0	0	1	3	0	0	0	0	0	0
	Other	4	9	15	34	68	183	1	3	5	14	34	111	1	3	7	15	31	86
	TOTAL- Other Musc	36	61	86	133	198	344	22	41	57	91	138	242	7	15	21	36	57	109
Spine	Excision- Spine	0	0	0	1	3	9	0	0	0	0	1	4	0	0	0	0	1	5
	Osteomy	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0
	Fracture/Dislocate	0	0	0	2	4	11	0	0	0	1	4	11	0	0	0	0	0	1
	Decompression	7	13	20	31	46	79	7	13	19	30	45	77	0	0	0	0	1	3
	Arthrodesis Anterior	2	4	6	10	16	28	1	3	5	9	15	26	0	0	0	0	0	2
	Arthrodesis Posterior	5	9	14	25	41	76	4	8	12	21	36	70	0	0	0	1	3	11
	Arthrodesis Deformity	1	2	3	7	11	19	0	0	0	1	2	5	0	1	2	5	9	16
	Exploration	0	0	0	1	2	4	0	0	0	0	1	3	0	0	0	0	0	1
	Instrumentation	5	10	14	25	42	68	2	5	8	17	29	53	0	2	3	6	11	21
	Other- Spine	0	0	0	1	2	5	0	0	0	0	1	4	0	0	0	0	1	2
	TOTAL- Spine	38	59	79	118	169	261	27	44	57	88	140	228	4	9	12	18	31	58

ORTHOPAEDIC SURGERY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)
Reporting Period: Total Experience of Residents Completing Programs in 2008-2009
Residency Review Committee for Orthopaedic Surgery

[PART 6]		Programs in the Nation: 148 Residents in the Nation: 635																	
		All Patients						Adult Only						Pediatric Only					
		Resident Percentiles						Resident Percentiles						Resident Percentiles					
		10	20	30	50	70	90	10	20	30	50	70	90	10	20	30	50	70	90
RRC Area	RRC Procedure																		
Integumentary System	Incision/Excision	6	16	29	66	107	186	4	14	26	56	92	170	0	1	3	5	10	19
	Repair (Closure)	0	1	2	6	14	32	0	1	2	5	12	28	0	0	0	1	2	5
	Skin Grafts	0	1	2	4	7	14	0	1	2	4	7	13	0	0	0	0	0	2
	Flaps	0	0	0	1	2	5	0	0	0	1	2	5	0	0	0	0	0	1
	Other- Integum	0	0	0	0	1	3	0	0	0	0	0	2	0	0	0	0	0	1
	TOTAL- Integumentary		11	25	40	79	131	232	8	21	34	70	118	211	0	2	4	8	13
Nervous System	Neuroplasty	4	6	8	11	16	26	3	5	7	11	15	24	0	0	0	0	1	2
	Transection or Avulsion	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Incision/Excision-Nerve	0	0	0	1	2	4	0	0	0	1	2	4	0	0	0	0	0	0
	Neurorrhaphy	0	1	2	4	8	14	0	1	2	4	7	13	0	0	0	0	0	2
	Other- Nerve	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0
	Carpal Tunnel	7	14	18	28	40	58	7	13	18	28	39	57	0	0	0	0	0	1
	TOTAL- Nerve		18	27	36	51	64	90	18	27	34	48	62	87	0	0	0	1	2
Oncology Procs	TOTAL- Oncology	0	2	8	24	42	78	0	2	7	19	36	65	0	0	0	3	6	13
Microsurgery Procs	TOTAL- Microsurgery	0	0	2	11	24	68	0	0	2	10	21	63	0	0	0	0	1	6
Miscellaneous	TOTAL- Misc	3	8	13	25	44	90	2	6	11	20	37	76	0	0	1	2	6	15
Trauma	TOTAL- Trauma	270	317	363	446	548	748	218	256	292	359	454	625	31	46	57	79	105	163
TOTAL OF ALL PROCS	TOTAL- All Procs	1,268	1,507	1,677	1,921	2,210	2,699	1,074	1,266	1,409	1,633	1,849	2,248	155	189	221	291	365	511