



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 2007-2008
Residency Review Committee for Orthopaedic Surgery

[PART 1]		Programs in the Nation: 148 Residents in the Nation: 621																	
		All Patients						Adult Only						Pediatric Only					
		Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res SUM
RRC Area	RRC Procedure																		
Shoulder	Incision	2.1	2	1	0	14	1,323	1.9	2	1	0	14	1,190	0.2	1	0	0	7	133
	Excision	9.4	9	7	0	67	5,814	8.7	9	6	0	67	5,427	0.6	1	0	0	11	387
	Intro or Removal	0.9	2	0	0	22	536	0.8	2	0	0	22	507	0.0	0	0	0	4	29
	Repair/ Revise/ Reconst	34.3	21	30	0	122	21,284	33.4	21	29	0	122	20,716	0.9	1	0	0	10	568
	Trauma	21.7	17	19	0	225	13,446	20.0	16	17	0	225	12,439	1.6	2	1	0	17	1,007
	-- Fracture/ Dislocation	16.0	11	14	0	93	9,959	14.9	10	13	0	81	9,236	1.2	2	1	0	15	723
	-- Manipulation	5.6	10	4	0	206	3,487	5.2	10	3	0	206	3,203	0.5	1	0	0	5	284
	Arthrodesis	0.1	0	0	0	4	68	0.1	0	0	0	4	66	0.0	0	0	0	1	2
	Amputation	0.1	0	0	0	3	89	0.1	0	0	0	3	84	0.0	0	0	0	1	5
	Arthroscopy	99.2	63	86	4	447	61,628	97.9	62	85	4	444	60,779	1.4	2	0	0	18	849
	Other	0.8	1	0	0	9	503	0.7	1	0	0	8	456	0.1	0	0	0	3	47
	TOTAL- Shoulder	168.6	83	155	12	579	104,691	163.7	81	151	8	568	101,664	4.9	4	4	0	24	3,027
Humerus/Elbow	Incision	4.0	4	3	0	29	2,469	3.4	3	3	0	29	2,125	0.6	1	0	0	12	344
	Excision	6.3	4	6	0	24	3,933	5.3	4	5	0	22	3,290	1.0	1	1	0	8	643
	Intro or Removal	1.6	2	1	0	12	991	1.1	1	1	0	11	711	0.5	1	0	0	7	280
	Repair/ Revise/ Reconst	12.8	8	12	0	54	7,952	11.6	7	10	0	53	7,191	1.2	2	1	0	18	761
	Trauma	52.1	24	48	1	150	32,331	29.6	15	27	0	108	18,352	22.5	16	19	0	107	13,979
	-- Fracture/ Dislocation	45.1	21	41	1	144	28,035	26.1	13	24	0	89	16,218	19.0	13	16	0	98	11,817
	-- Manipulation	6.9	9	4	0	92	4,296	3.4	5	2	0	36	2,134	3.5	6	2	0	56	2,162
	Arthrodesis	0.0	0	0	0	2	20	0.0	0	0	0	2	20	0.0	0	0	0	0	0
	Amputation	0.5	1	0	0	9	294	0.4	1	0	0	8	271	0.0	0	0	0	1	23
	Arthroscopy	2.6	3	2	0	27	1,638	2.3	3	1	0	21	1,410	0.4	1	0	0	13	228
	Other	0.9	2	0	0	18	566	0.7	1	0	0	17	458	0.2	0	0	0	4	108
	TOTAL- Humerus/Elbow	80.8	31	76	11	220	50,194	54.5	23	52	3	150	33,828	26.4	17	23	0	110	16,366

ORTHOPAEDIC SURGERY: NATIONAL RESIDENT REPORT (Main Table)
Reporting Period: Total Experience of Residents Completing Programs in 2007-2008
Residency Review Committee for Orthopaedic Surgery

[PART 2]		Programs in the Nation: 148 Residents in the Nation: 621																	
		All Patients						Adult Only						Pediatric Only					
		Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res SUM
RRC Area	RRC Procedure																		
Forearm/Wrist	Incision	7.0	5	6	0	50	4,348	6.4	5	5	0	48	3,981	0.6	1	0	0	10	367
	Excision	12.4	8	11	0	74	7,705	11.2	8	10	0	74	6,981	1.2	1	1	0	10	724
	Intro or Removal	1.1	2	1	0	11	700	0.9	1	0	0	11	568	0.2	1	0	0	5	132
	Repair/ Revise/ Reconst	20.8	16	17	0	102	12,940	18.3	15	15	0	101	11,389	2.5	4	1	0	31	1,551
	Trauma	82.9	46	74	5	324	51,469	58.5	31	54	2	187	36,334	24.4	27	18	0	269	15,135
	-- Fracture/ Dislocation	54.1	25	52	5	174	33,607	46.1	22	43	2	158	28,606	8.1	8	6	0	108	5,001
	-- Manipulation	28.8	36	18	0	299	17,862	12.4	17	5	0	119	7,728	16.3	25	8	0	264	10,134
	Arthrodesis	2.2	2	2	0	14	1,353	2.0	2	2	0	14	1,257	0.2	1	0	0	4	96
	Amputation	0.4	1	0	0	7	240	0.4	1	0	0	7	220	0.0	0	0	0	1	20
	Arthroscopy	5.9	7	4	0	85	3,647	5.7	6	4	0	83	3,544	0.2	1	0	0	4	103
	Other	1.1	2	0	0	24	653	0.9	2	0	0	23	540	0.2	1	0	0	5	113
	TOTAL- Forearm/Wrist	133.7	59	123	10	374	83,055	104.4	45	100	4	311	64,814	29.4	28	22	0	270	18,241
Hand/Fingers	Incision	26.2	16	24	0	148	16,291	23.9	15	22	0	140	14,853	2.3	3	2	0	51	1,438
	Excision	15.3	10	14	0	98	9,496	14.1	10	12	0	97	8,782	1.1	2	1	0	12	714
	Intro or Removal	1.3	2	1	0	18	827	1.2	2	1	0	18	772	0.1	0	0	0	5	55
	Repair/ Revise/ Reconst	30.7	19	28	0	188	19,095	26.1	17	23	0	169	16,190	4.7	5	3	0	50	2,905
	Trauma	31.1	21	26	1	172	19,299	26.4	18	22	0	125	16,421	4.6	5	3	0	48	2,878
	-- Fracture/ Dislocation	24.6	15	21	1	106	15,297	21.6	13	19	0	97	13,420	3.0	4	2	0	43	1,877
	-- Manipulation	6.4	11	2	0	95	4,002	4.8	9	1	0	69	3,001	1.6	3	0	0	32	1,001
	Arthrodesis	3.7	3	3	0	22	2,270	3.5	3	3	0	22	2,160	0.2	1	0	0	9	110
	Amputation	6.7	6	5	0	35	4,181	6.0	5	5	0	32	3,695	0.8	1	0	0	9	486
	Other	1.8	4	1	0	76	1,120	1.5	4	0	0	76	944	0.3	1	0	0	6	176
	TOTAL- Hand/Fingers	116.9	56	109	15	473	72,579	102.8	50	98	7	426	63,817	14.1	11	12	0	76	8,762

ORTHOPAEDIC SURGERY: NATIONAL RESIDENT REPORT (Main Table)
Reporting Period: Total Experience of Residents Completing Programs in 2007-2008
Residency Review Committee for Orthopaedic Surgery

[PART 3]		Programs in the Nation: 148 Residents in the Nation: 621																	
		All Patients						Adult Only						Pediatric Only					
		Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res SUM
RRC Area	RRC Procedure																		
Pelvis/Hip	Incision	12.1	8	11	0	53	7,520	5.7	4	5	0	25	3,510	6.5	6	5	0	47	4,010
	Excision	5.0	6	4	0	77	3,113	4.2	5	3	0	77	2,611	0.8	1	0	0	13	502
	Intro or Removal	5.6	4	5	0	26	3,463	3.0	3	2	0	20	1,856	2.6	3	2	0	24	1,607
	Repair/ Revise/ Reconst	96.5	42	90	16	349	59,896	85.5	42	79	16	343	53,114	10.9	7	10	0	38	6,782
	Trauma	77.5	38	71	8	238	48,097	72.8	37	67	8	234	45,235	4.6	4	4	0	26	2,862
	-- Fracture/ Dislocation	70.2	36	65	7	234	43,565	66.9	35	61	7	230	41,527	3.3	3	3	0	16	2,038
	-- Manipulation	7.3	7	6	0	38	4,532	6.0	6	4	0	34	3,708	1.3	2	1	0	23	824
	Arthrodesis	0.2	1	0	0	8	146	0.2	1	0	0	8	113	0.1	0	0	0	2	33
	Amputation	0.4	1	0	0	6	278	0.4	1	0	0	6	254	0.0	0	0	0	3	24
	Other	2.8	4	2	0	23	1,753	2.2	3	1	0	23	1,396	0.6	1	0	0	14	357
	TOTAL- Pelvis/Hip	200.1	69	189	54	485	124,266	174.1	67	163	47	452	108,089	26.0	14	24	0	88	16,177
Femur/Knee	Incision	12.9	9	11	0	59	7,993	10.1	7	9	0	40	6,271	2.8	4	2	0	40	1,722
	Excision	13.3	11	11	0	128	8,244	10.8	10	8	0	127	6,702	2.5	2	2	0	13	1,542
	Intro or Removal	2.5	5	1	0	56	1,543	1.8	3	1	0	49	1,096	0.7	2	0	0	28	447
	Repair/ Revise/ Reconst	141.5	56	133	24	390	87,875	127.1	55	118	17	377	78,945	14.4	9	13	0	78	8,930
	Trauma	75.0	36	68	9	312	46,602	63.0	31	56	4	287	39,150	12.0	8	10	0	64	7,452
	-- Fracture/ Dislocation	65.2	31	59	8	205	40,506	56.1	28	50	4	190	34,811	9.2	6	8	0	38	5,695
	-- Manipulation	9.8	10	8	0	145	6,096	7.0	8	6	0	138	4,339	2.8	4	2	0	28	1,757
	Arthrodesis	0.5	1	0	0	9	319	0.5	1	0	0	9	296	0.0	0	0	0	2	23
	Amputation	3.1	3	2	0	29	1,937	2.9	3	2	0	29	1,804	0.2	1	0	0	3	133
	Arthroscopy	172.1	90	154	21	679	106,878	159.8	86	142	18	643	99,246	12.3	12	9	0	83	7,632
	Other	2.5	5	1	0	49	1,570	1.8	4	1	0	43	1,096	0.8	2	0	0	32	474
	TOTAL- Femur/Knee	423.4	129	412	92	947	262,961	377.8	122	365	89	837	234,606	45.7	23	42	0	153	28,355

ORTHOPAEDIC SURGERY: NATIONAL RESIDENT REPORT (Main Table)
Reporting Period: Total Experience of Residents Completing Programs in 2007-2008
Residency Review Committee for Orthopaedic Surgery

[PART 4]		Programs in the Nation: 148 Residents in the Nation: 621																	
		All Patients						Adult Only						Pediatric Only					
		Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res SUM
RRC Area	RRC Procedure																		
Leg/Ankle	Incision	18.5	12	17	0	82	11,501	11.2	9	9	0	72	6,962	7.3	6	6	0	39	4,539
	Excision	8.2	6	7	0	44	5,104	6.0	5	5	0	44	3,752	2.2	2	2	0	16	1,352
	Intro or Removal	0.1	0	0	0	7	56	0.0	0	0	0	6	30	0.0	0	0	0	2	26
	Repair/ Revise/ Reconst	39.6	20	36	1	143	24,567	23.8	15	20	1	110	14,757	15.8	12	13	0	77	9,810
	Trauma	110.7	45	103	6	278	68,739	98.5	41	91	5	251	61,159	12.2	9	10	0	78	7,580
	-- Fracture/ Dislocation	96.5	38	91	6	256	59,951	87.9	36	83	4	249	54,593	8.6	6	7	0	46	5,358
	-- Manipulation	14.2	19	9	0	223	8,788	10.6	15	5	0	148	6,566	3.6	6	2	0	75	2,222
	Arthrodesis	3.9	3	3	0	22	2,397	3.8	3	3	0	22	2,331	0.1	0	0	0	4	66
	Amputation	6.5	6	5	0	71	4,007	6.0	6	4	0	69	3,701	0.5	1	0	0	6	306
	Arthroscopy	6.0	5	5	0	38	3,700	5.6	5	4	0	37	3,455	0.4	1	0	0	5	245
	Other	3.6	5	2	0	44	2,211	2.9	4	2	0	43	1,782	0.7	1	0	0	10	429
	TOTAL- Leg/Ankle	196.9	63	193	13	371	122,282	157.7	55	153	10	322	97,929	39.2	20	36	0	144	24,353
Foot/Toes	Incision	5.6	8	4	0	158	3,471	4.4	8	3	0	155	2,757	1.1	2	1	0	13	714
	Excision	12.5	9	11	0	58	7,783	10.0	8	8	0	54	6,224	2.5	2	2	0	14	1,559
	Intro or Removal	1.5	2	1	0	25	925	1.1	2	0	0	25	683	0.4	1	0	0	6	242
	Repair/ Revise/ Reconst	37.9	25	32	1	163	23,566	25.4	22	20	0	160	15,744	12.6	12	10	0	103	7,822
	Trauma	25.0	16	22	1	118	15,523	22.9	15	19	0	112	14,245	2.1	3	1	0	18	1,278
	-- Fracture/ Dislocation	23.1	15	20	1	110	14,330	21.3	14	18	0	105	13,227	1.8	2	1	0	16	1,103
	-- Manipulation	1.9	3	1	0	26	1,193	1.6	3	1	0	25	1,018	0.3	1	0	0	7	175
	Arthrodesis	11.9	9	10	0	69	7,362	10.3	9	8	0	68	6,389	1.6	2	1	0	12	973
	Amputation	5.4	5	4	0	36	3,353	4.7	5	3	0	36	2,902	0.7	1	0	0	8	451
	Other	1.5	4	0	0	72	927	1.0	3	0	0	69	597	0.5	1	0	0	15	330
	TOTAL- Foot/Toes	101.3	51	93	6	322	62,910	79.8	47	71	2	304	49,541	21.5	15	18	0	125	13,369

ORTHOPAEDIC SURGERY: NATIONAL RESIDENT REPORT (Main Table)
Reporting Period: Total Experience of Residents Completing Programs in 2007-2008
Residency Review Committee for Orthopaedic Surgery

[PART 5]		Programs in the Nation: 148 Residents in the Nation: 621																	
		All Patients						Adult Only						Pediatric Only					
		Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res SUM
RRC Area	RRC Procedure																		
Other Musculoskeletal	Incision	0.9	4	0	0	92	540	0.7	4	0	0	78	440	0.2	1	0	0	14	100
	Excision	4.5	5	3	0	32	2,810	3.5	5	2	0	27	2,155	1.1	2	0	0	20	655
	Intro or Removal	83.1	60	75	0	576	51,579	66.3	53	57	0	557	41,152	16.8	13	15	0	99	10,427
	Repair/ Revise/ Reconst	0.0	0	0	0	1	8	0.0	0	0	0	1	6	0.0	0	0	0	1	2
	Fracture / Dislocation	0.1	0	0	0	9	45	0.1	0	0	0	9	40	0.0	0	0	0	2	5
	Arthroscopy	0.9	3	0	0	33	579	0.9	2	0	0	33	540	0.1	0	0	0	3	39
	Other	58.0	82	29	0	819	35,991	34.3	57	15	0	556	21,299	23.7	35	11	0	263	14,692
	TOTAL- Other Musc	147.4	121	121	0	1,090	91,552	105.7	93	86	0	1,003	65,632	41.7	43	29	0	306	25,920
Spine	Excision- Spine	3.0	7	1	0	66	1,868	1.7	5	0	0	61	1,079	1.3	4	0	0	55	789
	Osteomy	0.4	1	0	0	20	233	0.2	1	0	0	12	143	0.1	1	0	0	19	90
	Fracture/Dislocate	5.4	16	2	0	265	3,364	5.0	16	1	0	264	3,113	0.4	1	0	0	9	251
	Decompression	42.3	42	30	0	367	26,288	41.3	42	30	0	367	25,666	1.0	2	0	0	20	622
	Arthrodesis Anterior	13.4	14	10	0	101	8,320	12.6	13	9	0	100	7,794	0.8	2	0	0	14	526
	Arthrodesis Posterior	36.0	35	24	0	260	22,382	31.2	31	21	0	248	19,355	4.9	12	1	0	123	3,027
	Arthrodesis Deformity	8.8	8	7	0	49	5,490	1.9	4	1	0	32	1,170	7.0	7	5	0	35	4,320
	Exploration	1.6	3	1	0	25	1,006	1.2	2	0	0	19	764	0.4	1	0	0	8	242
	Instrumentation	33.6	29	26	0	212	20,874	24.6	25	17	0	196	15,252	9.1	9	7	0	52	5,622
	Other- Spine	2.2	3	1	0	26	1,378	1.5	3	0	0	19	922	0.7	2	0	0	22	456
	TOTAL- Spine	146.9	111	121	1	741	91,203	121.2	102	94	0	714	75,258	25.7	23	20	0	185	15,945

ORTHOPAEDIC SURGERY: NATIONAL RESIDENT REPORT (Main Table)
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Residency Review Committee for Orthopaedic Surgery

[PART 6]		Programs in the Nation: 148 Residents in the Nation: 621																	
		All Patients						Adult Only						Pediatric Only					
		Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res SUM	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res SUM
RRC Area	RRC Procedure																		
Integumentary System	Incision/Excision	81.1	75	64	0	447	50,361	72.9	69	56	0	427	45,298	8.2	9	6	0	77	5,063
	Repair (Closure)	12.0	17	6	0	136	7,460	10.5	15	5	0	119	6,518	1.5	2	0	0	17	942
	Skin Grafts	6.3	7	4	0	48	3,900	5.7	7	4	0	43	3,520	0.6	1	0	0	9	380
	Flaps	2.0	3	1	0	26	1,243	1.9	3	1	0	24	1,164	0.1	0	0	0	4	79
	Other- Integum	1.5	5	0	0	58	946	1.3	4	0	0	50	802	0.2	1	0	0	10	144
	TOTAL- Integumentary	102.9	94	80	0	626	63,910	92.3	87	70	0	598	57,302	10.6	12	7	0	96	6,608
Nervous System	Neuroplasty	12.4	9	10	0	62	7,718	11.9	9	10	0	61	7,403	0.5	1	0	0	6	315
	Transection or Avulsion	0.1	0	0	0	5	37	0.0	0	0	0	5	24	0.0	0	0	0	2	13
	Incision/Excision-Nerve	1.6	2	1	0	17	1,008	1.5	2	1	0	17	949	0.1	0	0	0	2	59
	Neurorrhaphy	6.5	6	5	0	55	4,042	6.0	6	4	0	55	3,713	0.5	1	0	0	9	329
	Other- Nerve	0.3	1	0	0	23	201	0.3	1	0	0	20	167	0.1	0	0	0	10	34
	Carpal Tunnel	32.5	24	27	0	173	20,170	32.2	24	27	0	172	19,996	0.3	1	0	0	8	174
	TOTAL- Nerve	53.4	32	48	0	227	33,176	51.9	31	47	0	224	32,252	1.5	2	1	0	15	924
Oncology Procs	TOTAL- Oncology	29.3	30	21	0	164	18,183	24.8	26	17	0	146	15,393	4.5	6	2	0	45	2,790
Microsurgery Procs	TOTAL- Microsurgery	26.0	50	10	0	420	16,166	24.2	48	9	0	410	15,014	1.9	5	0	0	43	1,152
Miscellaneous	TOTAL- Misc	37.7	73	21	0	939	23,441	30.7	59	16	0	776	19,069	7.0	16	2	0	163	4,372
Trauma	TOTAL- Trauma	475.9	189	432	56	1,391	295,506	391.8	162	362	31	1,296	243,335	84.0	54	72	0	369	52,171
TOTAL OF ALL PROCS	TOTAL- All Procs	1,910.2	565	1,876	437	4,686	1,186,220	1,616.4	492	1,571	397	4,391	1,003,801	293.8	141	268	0	1,205	182,419

ORTHOPAEDIC SURGERY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)
Reporting Period: Total Experience of Residents Completing Programs in 2007-2008
Residency Review Committee for Orthopaedic Surgery

[PART 1]		Programs in the Nation: 148 Residents in the Nation: 621																	
		All Patients						Adult Only						Pediatric Only					
		Percentiles						Percentiles						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	7	10	19	1	2	3	6	10	19	0	0	0	0	1	2
	Intro or Removal	0	0	0	0	1	2	0	0	0	0	1	2	0	0	0	0	0	0
	Repair/ Revise/ Reconst	12	16	21	30	42	63	11	16	20	29	41	61	0	0	0	0	1	3
	Trauma	8	11	13	19	25	37	7	10	12	17	23	35	0	0	0	1	2	4
	-- Fracture/ Dislocation	6	8	10	14	19	28	5	7	9	13	18	27	0	0	0	1	1	3
	-- Manipulation	0	1	2	4	6	11	0	1	2	3	6	11	0	0	0	0	1	1
	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	37	48	60	86	117	185	36	46	59	85	116	183	0	0	0	0	2	4
	Other	0	0	0	0	1	2	0	0	0	0	1	2	0	0	0	0	0	0
	TOTAL- Shoulder	81	101	119	155	197	276	77	98	115	151	192	273	1	2	2	4	6	10
Humerus/Elbow	Incision	0	1	2	3	5	8	0	1	1	3	4	8	0	0	0	0	1	2
	Excision	2	3	4	6	8	12	1	2	3	5	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	2
	Repair/ Revise/ Reconst	5	6	8	12	16	22	4	6	7	10	14	20	0	0	0	1	1	3
	Trauma	26	32	37	48	60	86	13	18	21	27	34	50	7	10	13	19	27	41
	-- Fracture/ Dislocation	24	28	33	41	52	70	12	16	19	24	30	44	6	9	11	16	23	35
	-- Manipulation	0	1	2	4	9	17	0	0	0	2	4	9	0	0	0	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	6	0	0	1	1	3	5	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	46	56	62	76	91	124	28	36	41	52	63	84	9	13	17	23	31	47

ORTHOPAEDIC SURGERY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)
Reporting Period: Total Experience of Residents Completing Programs in 2007-2008
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[PART 2]		Programs in the Nation: 148 Residents in the Nation: 621																	
		All Patients						Adult Only						Pediatric Only					
		Percentiles						Percentiles						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	2	3	4	6	9	14	1	2	3	5	8	13	0	0	0	0	1	2
	Excision	4	6	8	11	14	22	3	5	7	10	13	21	0	0	0	1	1	3
	Intro or Removal	0	0	0	1	1	3	0	0	0	0	1	3	0	0	0	0	0	1
	Repair/ Revise/ Reconst	5	9	11	17	25	40	4	7	9	15	21	37	0	0	0	1	3	7
	Trauma	35	46	55	74	95	145	26	32	39	54	69	97	3	6	9	18	28	55
	-- Fracture/ Dislocation	27	34	39	52	64	85	22	28	33	43	55	75	2	3	4	6	9	17
	-- Manipulation	0	2	5	18	35	71	0	0	1	5	15	32	0	1	2	8	18	43
	Arthrodesis	0	0	1	2	3	5	0	0	1	2	3	4	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	0	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	69	86	100	123	154	213	51	66	79	100	122	167	6	9	13	22	33	62
Hand/Fingers	Incision	8	13	17	24	32	46	8	11	15	22	29	43	0	0	1	2	3	5
	Excision	4	7	9	14	19	28	4	6	8	12	17	26	0	0	0	1	1	3
	Intro or Removal	0	0	0	1	1	3	0	0	0	1	1	3	0	0	0	0	0	0
	Repair/ Revise/ Reconst	10	15	20	28	37	54	8	13	17	23	32	47	0	1	1	3	6	11
	Trauma	11	15	18	26	35	58	8	12	15	22	31	50	0	1	1	3	5	11
	-- Fracture/ Dislocation	9	13	16	21	30	45	7	11	14	19	26	39	0	0	1	2	4	7
	-- Manipulation	0	0	1	2	7	18	0	0	0	1	5	14	0	0	0	0	2	5
	Arthrodesis	0	1	2	3	5	8	0	1	1	3	4	8	0	0	0	0	0	1
	Amputation	1	2	3	5	8	15	0	1	2	5	7	14	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	54	71	87	109	138	182	47	62	74	98	121	160	2	5	7	12	17	28

ORTHOPAEDIC SURGERY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)
Reporting Period: Total Experience of Residents Completing Programs in 2007-2008
Residency Review Committee for Orthopaedic Surgery

[PART 3]		Programs in the Nation: 148 Residents in the Nation: 621																	
		All Patients						Adult Only						Pediatric Only					
		Percentiles						Percentiles						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	7	11	15	23	1	2	3	5	7	12	1	2	3	5	8	13
	Excision	0	1	2	4	6	10	0	1	1	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	6
	Repair/ Revise/ Reconst	51	63	73	90	111	149	42	53	61	79	98	137	3	5	7	10	14	20
	Trauma	37	47	55	71	88	125	33	43	50	67	84	120	1	1	2	4	6	10
	-- Fracture/ Dislocation	32	42	50	65	80	114	29	39	47	61	76	111	0	1	1	3	4	7
	-- Manipulation	1	2	3	6	9	16	0	1	2	4	7	14	0	0	0	1	2	4
	Arthrodesis	0	0	0	0	0	1	0	0	0	0	0	1	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
	Other	0	0	1	2	3	7	0	0	0	1	3	6	0	0	0	0	0	2
	TOTAL- Pelvis/Hip	122	146	162	189	224	290	98	122	137	163	196	263	11	14	17	24	31	44
Femur/Knee	Incision	3	5	7	11	16	25	2	4	5	9	13	19	0	0	1	2	3	6
	Excision	3	6	7	11	16	25	2	4	6	8	13	21	0	1	1	2	3	6
	Intro or Removal	0	0	0	1	3	6	0	0	0	1	2	5	0	0	0	0	1	2
	Repair/ Revise/ Reconst	77	95	109	133	163	219	64	81	96	118	148	203	4	7	9	13	17	27
	Trauma	39	49	54	68	84	121	32	40	46	56	71	101	4	5	7	10	14	23
	-- Fracture/ Dislocation	33	40	46	59	73	105	27	34	40	50	64	91	3	4	5	8	11	18
	-- Manipulation	2	3	5	8	12	19	1	2	3	6	8	13	0	0	1	2	3	7
	Arthrodesis	0	0	0	0	1	1	0	0	0	0	1	1	0	0	0	0	0	0
	Amputation	0	0	1	2	4	7	0	0	1	2	4	7	0	0	0	0	0	1
	Arthroscopy	81	105	120	154	197	283	72	96	112	142	179	266	2	3	5	9	14	26
	Other	0	0	0	1	2	6	0	0	0	1	2	5	0	0	0	0	1	2
	TOTAL- Femur/Knee	275	316	350	412	472	600	240	277	306	365	427	534	21	28	32	42	53	75

ORTHOPAEDIC SURGERY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)
Reporting Period: Total Experience of Residents Completing Programs in 2007-2008
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[PART 4]		Programs in the Nation: 148 Residents in the Nation: 621																	
		All Patients						Adult Only						Pediatric Only					
		Percentiles						Percentiles						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	11	17	22	33	2	4	6	9	13	23	1	2	4	6	9	15
	Excision	2	4	5	7	10	15	1	2	3	5	8	12	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	48	65	8	12	15	20	28	43	4	6	8	13	19	33
	Trauma	62	75	83	103	128	172	52	65	74	91	116	154	3	5	7	10	15	23
	-- Fracture/ Dislocation	53	66	75	91	112	144	47	59	68	83	102	132	2	4	5	7	11	17
	-- Manipulation	0	2	3	9	17	34	0	1	2	5	12	28	0	0	1	2	4	9
	Arthrodesis	0	1	2	3	5	8	0	1	2	3	5	8	0	0	0	0	0	0
	Amputation	1	2	2	5	8	14	0	1	2	4	7	13	0	0	0	0	1	2
	Arthroscopy	1	2	3	5	7	13	1	1	2	4	7	13	0	0	0	0	0	1
	Other	0	1	1	2	4	9	0	0	1	2	3	7	0	0	0	0	1	2
	TOTAL- Leg/Ankle	120	143	162	193	224	284	90	111	126	153	181	237	17	23	28	36	46	67
Foot/Toes	Incision	1	1	2	4	6	11	0	1	1	3	5	9	0	0	0	1	1	3
	Excision	3	5	7	11	16	24	2	3	5	8	13	20	0	1	1	2	3	6
	Intro or Removal	0	0	0	1	2	4	0	0	0	0	1	3	0	0	0	0	0	1
	Repair/ Revise/ Reconst	11	17	22	32	47	71	3	7	11	20	31	54	2	4	6	10	16	25
	Trauma	9	12	15	22	30	46	7	11	14	19	28	43	0	0	0	1	2	5
	-- Fracture/ Dislocation	8	11	14	20	27	42	7	10	13	18	25	38	0	0	0	1	2	5
	-- Manipulation	0	0	0	1	2	6	0	0	0	1	2	5	0	0	0	0	0	1
	Arthrodesis	2	4	6	10	15	24	1	3	4	8	13	22	0	0	0	1	2	4
	Amputation	0	1	2	4	7	12	0	1	1	3	6	11	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	44	57	68	93	121	169	27	39	49	71	100	140	7	10	13	18	26	39

ORTHOPAEDIC SURGERY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)
Reporting Period: Total Experience of Residents Completing Programs in 2007-2008
Residency Review Committee for Orthopaedic Surgery

[PART 5]		Programs in the Nation: 148 Residents in the Nation: 621																	
		All Patients						Adult Only						Pediatric Only					
		Percentiles						Percentiles						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	0	1	3	5	11	0	0	1	2	4	10	0	0	0	0	1	3
	Intro or Removal	16	35	47	75	103	152	9	24	35	57	81	130	2	5	9	15	22	33
	Repair/ Revise/ Reconst	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	14	29	60	152	1	3	6	15	33	86	0	3	5	11	22	62
	TOTAL- Other Musc	31	56	77	121	176	294	18	38	55	86	126	217	6	13	18	29	45	90
Spine	Excision- Spine	0	0	0	1	2	7	0	0	0	0	1	4	0	0	0	0	0	3
	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	13	0	0	0	1	4	12	0	0	0	0	0	1
	Decompression	7	14	19	30	48	86	6	13	19	30	46	85	0	0	0	0	1	3
	Arthrodesis Anterior	1	3	5	10	16	29	1	3	5	9	15	27	0	0	0	0	0	3
	Arthrodesis Posterior	4	9	14	24	44	81	3	8	12	21	37	71	0	0	0	1	3	11
	Arthrodesis Deformity	0	2	3	7	12	20	0	0	0	1	2	5	0	1	2	5	9	16
	Exploration	0	0	0	1	2	5	0	0	0	0	1	4	0	0	0	0	0	1
	Instrumentation	5	10	14	26	43	72	1	5	9	17	31	57	0	2	3	7	12	20
	Other- Spine	0	0	0	1	2	6	0	0	0	0	1	5	0	0	0	0	0	2
	TOTAL- Spine	38	58	77	121	177	285	24	44	60	94	143	242	4	8	11	20	31	56

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[PART 6]		Programs in the Nation: 148 Residents in the Nation: 621																	
		All Patients						Adult Only						Pediatric Only					
		Percentiles						Percentiles						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	3	12	26	64	108	176	3	9	24	56	97	165	0	1	2	6	10	20
	Repair (Closure)	0	1	2	6	13	32	0	1	1	5	12	28	0	0	0	0	2	5
	Skin Grafts	0	1	2	4	7	15	0	1	1	4	7	13	0	0	0	0	1	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	3	0	0	0	0	0	1
	TOTAL- Integumentary	8	17	36	80	134	231	7	15	30	70	119	209	0	1	3	7	13	25
Nervous System	Neuroplasty	4	6	7	10	14	24	3	5	7	10	14	23	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	2	3	5	8	15	0	1	2	4	8	14	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	27	38	64	7	14	18	27	38	64	0	0	0	0	0	1
	TOTAL- Nerve	19	28	35	48	64	95	18	27	33	47	62	92	0	0	0	1	2	4
Oncology Procs	TOTAL- Oncology	0	2	9	21	36	72	0	2	6	17	32	62	0	0	0	2	6	12
Microsurgery Procs	TOTAL- Microsurgery	0	0	3	10	23	61	0	0	2	9	21	57	0	0	0	0	1	6
Miscellaneous	TOTAL- Misc	2	6	10	21	34	82	1	5	8	16	28	69	0	0	1	2	5	18
Trauma	TOTAL- Trauma	270	320	362	432	546	738	220	260	296	362	452	606	29	41	52	72	100	150
TOTAL OF ALL PROCS	TOTAL- All Procs	1,241	1,440	1,575	1,876	2,153	2,594	1,044	1,212	1,335	1,571	1,840	2,214	148	177	210	268	348	487