



Accreditation Council for Graduate Medical Education

Neurological 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.
- 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 national standard deviation indicates how tightly the procedure counts are clustered around the national mean.
 - iii. "Natl Res MED" - The median value among procedure counts in the nation.
 - iv. "Natl Res MIN" - The minimum value among procedure counts in the nation.
 - v. "Natl Res MAX" - The maximum value seen among procedure counts in the nation.

II. National Benchmark Table 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.

The information on the following pages has been created using specialty specific categories. These data should not be used for comparison across specialties as the definition of the categories will vary among the specialties. In addition, care should be exercised when comparing data from year to year as the definition of certain categories may be revised from time to time.

NEUROLOGICAL SURGERY : NATIONAL RESIDENT REPORT (Main Table)
Reporting Period: Total Experience of Residents Completing Programs in 2017-2018
Residency Review Committee for Neurological Surgery
Report Date: August 21, 2018

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Number of Programs in the Nation: 97 Number of Residents in the Nation: 186

		Senior Resident Surgeon					Lead Resident Surgeon					Assistant Resident Surgeon					Senior + Lead Surgeon				
		Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX
RRC Area	RRC Procedure																				
Adult Craniotomy - Brain Tumor	Biopsy	2.9	3	2	0	26	10.8	8	10	0	58	0.3	1	0	0	4	13.6	9	12	0	61
	Intra-axial	21.7	21	16	0	111	59.5	33	53	4	171	2.6	4	1	0	33	81.3	36	75	14	217
	Extra-axial	8.9	9	6	0	64	24.5	16	22	0	94	1.0	2	0	0	15	33.5	17	31	0	111
	Skull base and other	11.0	12	8	0	73	30.0	20	26	2	124	1.5	3	0	0	14	41.0	23	37	9	156
	TOTAL - Ad Craniotomy - Brain Tum	44.5	39	33	0	228	124.8	63	114	6	367	5.4	9	2	0	63	169.4	66	159	61	426
Adult Craniotomy - Trauma	Cranioplasty	5.6	5	5	0	22	14.8	9	13	1	45	0.5	1	0	0	9	20.4	11	18	2	58
	Depressed skull fract or extra-ax	16.9	15	14	0	99	41.6	28	37	1	159	2.0	4	0	0	31	58.5	35	51	8	191
	Craniect for abscess, contusn, or	7.3	6	6	0	28	20.5	14	17	0	81	1.0	2	0	0	11	27.7	16	24	1	92
	Other (adult craniotomy - trauma)	6.4	8	4	0	54	14.9	11	13	0	73	0.6	2	0	0	15	21.3	16	18	0	127
	TOTAL - Ad Craniotomy - Trauma	36.2	27	28	0	152	91.7	49	80	11	306	4.1	7	1	0	37	127.9	60	110	43	389
Adult Craniotomy-Intracran Vasc	AVM (adult craniotomy)	3.6	4	2	0	23	8.8	6	8	0	38	0.5	1	0	0	10	12.4	7	11	0	40
	Aneurysm (adult craniotomy)	11.1	11	9	0	85	21.5	15	19	0	72	1.7	4	0	0	36	32.5	20	29	3	157
	Other (adult craniotomy)	1.3	2	1	0	11	3.4	5	2	0	32	0.2	1	0	0	5	4.8	6	3	0	33
	TOTAL - Adult Craniotomy for IVL	15.9	14	12	0	95	33.7	21	31	0	126	2.4	5	0	0	48	49.7	26	44	3	180
Endovasc Therp Tumor or Vasc	AVM (endovasc therapy)	2.8	5	1	0	36	6.4	15	2	0	136	0.4	2	0	0	21	9.3	18	4	0	163
	Aneurysm (endovasc therapy)	6.8	12	3	0	86	14.5	29	4	0	192	0.6	2	0	0	20	21.3	35	10	0	197
	Tumor embo, thrombectomy, or stent	6.8	15	3	0	127	21.3	52	4	0	347	0.4	2	0	0	16	28.1	58	8	0	376
	TOTAL - Endovasc Therp Tum or	16.4	30	8	0	197	42.2	88	12	0	511	1.4	5	0	0	54	58.7	102	26	0	563
Adult Craniotomy - Pain	Pain (adult craniotomy)	7.7	8	5	0	40	21.3	14	18	1	102	1.3	2	0	0	14	29.0	15	26	5	106
	TOTAL - Adult Craniotomy - Pain	7.7	8	5	0	40	21.3	14	18	1	102	1.3	2	0	0	14	29.0	15	26	5	106

Statistics are based upon the numbers of primary credit procedures logged by residents in the indicated role.

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Number of Programs in the Nation: 97 Number of Residents in the Nation: 186

		Senior Resident Surgeon					Lead Resident Surgeon					Assistant Resident Surgeon					Senior + Lead Surgeon				
		Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX
RRC Area	RRC Procedure																				
Adult	Transphen-sel/parasel tumors	10.1	15	6	0	171	26.5	20	21	2	141	1.1	2	0	0	14	36.6	24	30	15	202
	TOTAL - Transphen-Sell/Parasellar	10.1	15	6	0	171	26.5	20	21	2	141	1.1	2	0	0	14	36.6	24	30	15	202
Adult - Cranial-Extracran Vasc	Bypass, CEA, Ligation	3.8	4	3	0	22	8.2	8	7	0	62	0.3	1	0	0	7	12.1	9	9	5	69
	TOTAL - Extracran Vascular Procs	3.8	4	3	0	22	8.2	8	7	0	62	0.3	1	0	0	7	12.1	9	9	5	69
Adult - Radiosurgery	Radiosurgery	6.9	14	2	0	103	15.4	20	10	0	143	0.4	2	0	0	21	22.3	24	13	10	143
	TOTAL - Radiosurgery	6.9	14	2	0	103	15.4	20	10	0	143	0.4	2	0	0	21	22.3	24	13	10	143
Adult Functional Procedures	Vagal nerve stimulation	2.3	3	1	0	20	6.6	6	5	0	39	0.3	1	0	0	8	8.8	7	7	0	39
	Stimulation for pain	5.8	9	3	0	55	16.1	21	10	0	198	0.5	2	0	0	15	21.8	25	14	0	214
	DBS or lesioning	9.8	11	5	0	69	26.7	30	19	0	258	0.8	3	0	0	27	36.5	33	29	0	275
	Cordotomy/rhizotomy	0.5	2	0	0	20	1.4	5	0	0	49	0.0	0	0	0	2	1.9	6	1	0	53
	Sympathectomy	0.0	0	0	0	3	0.2	1	0	0	11	0.0	0	0	0	1	0.2	1	0	0	12
	Intrathecal & implantable pumps	4.9	8	2	0	89	11.0	9	9	0	46	0.5	3	0	0	36	15.8	13	13	0	104
	Other (adult functional proc)	5.4	7	2	0	41	14.5	21	9	0	206	0.4	1	0	0	6	19.9	24	13	0	231
	TOTAL - Functional Procedures	28.7	29	20	0	211	76.3	63	62	1	495	2.5	6	0	0	48	105.0	71	92	12	539
Adult VP Shunt (CSF Diversn)	VPS	18.6	15	15	0	95	43.5	21	40	4	102	1.8	4	0	0	35	62.1	26	59	5	143
	ETV	1.1	2	0	0	10	2.6	3	2	0	14	0.1	0	0	0	3	3.7	3	3	0	15
	Other CSF diversion	3.0	3	2	0	18	8.2	9	5	0	70	0.3	1	0	0	5	11.2	10	9	0	80
	TOTAL - VP Shunt	22.7	18	19	0	113	54.3	25	48	10	156	2.2	4	0	0	35	77.0	30	75	15	200
TOTAL - Adult Cranial	TOTAL - Adult Cranial	193.0	131	165	1	663	494.6	203	471	50	1,178	21.1	29	10	0	174	687.6	210	660	297	1,463

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RRC Area	RRC Procedure																				
Adt Spinal - ACD with Instrumentn	Antr cervical appr for	19.7	20	14	0	165	69.2	43	57	2	207	2.9	8	1	0	63	88.9	41	82	28	230
	TOTAL - ACD	19.7	20	14	0	165	69.2	43	57	2	207	2.9	8	1	0	63	88.9	41	82	28	230
Adt Spin - C-spin Fract Op Stabiliz	Postr cervical appr for	16.4	15	12	0	86	53.4	28	48	2	149	1.8	3	0	0	23	69.9	29	65	17	192
	TOTAL - C-spine Fract Op Stabil	16.4	15	12	0	86	53.4	28	48	2	149	1.8	3	0	0	23	69.9	29	65	17	192
Adult Spinal - Lumbar Discectomy	Lumbar discectomy	31.4	33	22	0	210	104.5	64	87	5	398	3.4	7	1	0	57	136.0	70	122	36	548
	TOTAL - Lumbar Discectomy	31.4	33	22	0	210	104.5	64	87	5	398	3.4	7	1	0	57	136.0	70	122	36	548
Adult Spinal - Thorac/Lumb	Thoracic/lumbar	36.5	37	25	0	284	120.3	69	111	6	354	4.3	8	1	0	74	156.7	71	144	39	472
	TOTAL - Thorac/Lumb	36.5	37	25	0	284	120.3	69	111	6	354	4.3	8	1	0	74	156.7	71	144	39	472
Adult Spinal - Peripheral Nerve	Neurolysis/transposition	0.2	1	0	0	11	0.7	1	0	0	13	0.0	0	0	0	1	0.9	2	0	0	14
	Nerve repair	5.3	10	2	0	108	13.0	12	9	0	72	0.5	2	0	0	11	18.3	17	13	0	126
	Peripheral nerve tumor	0.9	2	0	0	15	2.3	3	2	0	15	0.0	0	0	0	2	3.2	3	2	0	21
	Other (peripheral nerve procs)	2.0	3	1	0	23	5.1	6	4	0	39	0.1	0	0	0	3	7.1	7	6	0	41
	TOTAL - Peripheral Nerve Procs	8.4	12	5	0	112	21.1	16	16	1	91	0.7	2	0	0	12	29.5	20	24	10	135
TOTAL - Adult Spinal	TOTAL - Adult Spinal	112.5	102	84	0	763	368.5	180	345	16	844	13.2	24	4	0	205	481.0	175	454	184	1,125

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		Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX
RRC Area	RRC Procedure																				
Pediatric Craniotomy - Brain Tumor	Craniotomy - brain tumor (ped)	4.8	5	3	0	31	12.4	9	11	0	55	0.6	2	0	0	13	17.2	9	16	5	62
	TOTAL - Ped Craniotomy - Brain	4.8	5	3	0	31	12.4	9	11	0	55	0.6	2	0	0	13	17.2	9	16	5	62
Pediatric Craniotomy for Trauma	Craniotomy for trauma (ped)	4.5	4	4	0	22	11.5	6	11	0	44	0.5	2	0	0	14	16.0	6	14	5	47
	Craniotomy for craniostylosis	0.2	1	0	0	7	0.4	2	0	0	22	0.0	0	0	0	1	0.6	2	0	0	22
	TOTAL - Ped Craniotomy for	4.7	5	4	0	24	11.9	7	11	0	66	0.5	2	0	0	14	16.6	7	15	9	69
Pediatric Spinal Procedures	Spinal procedures (ped)	3.9	5	2	0	39	11.0	8	9	0	51	0.5	2	0	0	19	14.9	9	13	5	52
	TOTAL - Ped Spinal Procedures	3.9	5	2	0	39	11.0	8	9	0	51	0.5	2	0	0	19	14.9	9	13	5	52
Pediatric VP Shunt	VP shunt (ped)	10.5	13	6	0	63	31.7	23	25	0	128	1.4	4	0	0	31	42.2	24	39	10	135
	TOTAL - Ped VP Shunt	10.5	13	6	0	63	31.7	23	25	0	128	1.4	4	0	0	31	42.2	24	39	10	135
TOTAL - Pediatric	TOTAL - Pediatric	24.0	25	15	0	139	67.0	39	60	0	270	3.0	8	0	0	65	90.9	40	86	35	274
Craniotomy for Epilepsy (Adult and	Craniotomy for epilepsy	6.5	8	4	0	57	16.3	12	13	0	72	0.6	1	0	0	7	22.8	15	18	5	93
	TOTAL - Epilepsy	6.5	8	4	0	57	16.3	12	13	0	72	0.6	1	0	0	7	22.8	15	18	5	93

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		Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX
RRC Area	RRC Procedure																				
Minor Procedures/Critical Care	ICP monitor placement	9.5	12	5	0	83	11.3	11	8	0	82	0.3	1	0	0	13	20.9	17	15	5	105
	Ext ventricular drain placmnt	10.4	12	7	0	70	28.8	24	20	0	161	0.7	3	0	0	29	39.1	28	29	10	161
	VP shunt tap/programming	12.0	14	9	0	75	25.1	30	17	0	283	0.5	2	0	0	20	37.1	34	27	10	293
	Cervical spine traction	3.1	9	2	0	114	7.5	8	6	0	86	0.1	1	0	0	5	10.7	12	8	2	123
	Stereotactic frame placmnt	3.8	9	1	0	96	8.2	15	4	0	153	0.2	1	0	0	6	12.0	18	7	0	172
	CVP line placement	4.9	7	3	0	41	9.8	8	9	0	45	0.1	1	0	0	8	14.8	9	11	0	74
	Airway management	4.3	5	3	0	37	8.5	6	9	0	32	0.1	1	0	0	5	12.7	5	11	0	40
	Arterial line placement	4.6	7	2	0	53	12.9	13	10	0	128	0.1	0	0	0	4	17.4	14	13	10	128
	Arteriography	22.8	46	8	0	412	61.4	143	15	0	961	1.6	6	0	0	62	84.1	162	28	0	962
	TOTAL - Critical Care		75.4	70	63	0	556	173.5	170	126	3	1,105	3.7	10	1	0	124	248.9	191	190	54
TOTAL - Tracked Procedures	TOTAL - Credit Procedures	411.4	268	346	7	1,302	1,119.8	423	1,070	107	2,798	41.6	59	20	0	402	1,531.2	403	1,494	754	2,929
Additional Procedures	Craniofacial	2.4	3	1	0	17	4.9	5	3	0	20	0.4	1	0	0	9	7.3	6	6	0	28
	Tumor resection: primary/metast	3.3	4	2	0	17	6.3	6	5	0	32	0.6	1	0	0	6	9.7	7	9	0	32
	Spinal vascular lesion resectio	1.2	2	1	0	15	1.9	3	1	0	16	0.2	1	0	0	3	3.1	4	2	0	22
	Reconstructive secondary proc	0.1	0	0	0	4	0.2	0	0	0	2	0.0	0	0	0	1	0.3	1	0	0	4
	Miscellaneous/unclassified	8.4	8	7	0	67	14.9	15	12	0	114	0.9	2	0	0	21	23.3	19	20	0	181
TOTAL - Additional Procs		15.4	13	12	0	74	28.2	20	26	0	138	2.1	4	0	0	26	43.6	26	40	2	212
Non-Tracked Procedures	Non-Tracked Procedures	9.5	20	4	0	153	14.8	16	10	0	97	0.7	3	0	0	31	24.3	27	16	0	161

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NEUROLOGICAL SURGERY : NATIONAL RESIDENT REPORT (Percentiles Table)

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		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															
Adult Craniotomy - Brain Tumor	Biopsy	0	1	2	3	7	2	6	10	13	20	0	0	0	0	1
	Intra-axial	3	10	16	25	43	23	39	53	74	108	0	0	1	3	7
	Extra-axial	1	4	6	11	19	9	16	22	28	45	0	0	0	1	3
	Skull base and other	1	4	8	12	24	9	18	26	36	55	0	0	0	2	5
	TOTAL - Ad Craniotomy - Brain Tum	7	20	33	53	89	57	86	114	149	212	0	0	2	6	14
Adult Craniotomy - Trauma	Cranioplasty	1	3	5	7	12	5	9	13	19	26	0	0	0	0	2
	Depressed skull fract or extra-ax hematoma	3	9	14	19	35	13	24	37	47	80	0	0	0	2	5
	Craniect for abscess, contusn, or parnchyml	1	3	6	9	17	6	12	17	23	36	0	0	0	1	3
	Other (adult craniotomy - trauma)	0	2	4	8	15	4	7	13	18	30	0	0	0	0	2
	TOTAL - Ad Craniotomy - Trauma	9	20	28	43	72	42	67	80	105	150	0	0	1	4	15
Adult Craniotomy-Intracran Vasc Lesion	AVM (adult craniotomy)	0	1	2	4	8	2	5	8	11	17	0	0	0	0	2
	Aneurysm (adult craniotomy)	1	5	9	13	23	5	13	19	26	39	0	0	0	1	5
	Other (adult craniotomy)	0	0	1	2	4	0	1	2	4	8	0	0	0	0	1
	TOTAL - Adult Craniotomy for IVL	2	7	12	20	34	10	21	31	41	61	0	0	0	2	7
Endovasc Therp Tumor or Vasc Lesion	AVM (endovasc therapy)	0	0	1	3	7	0	1	2	4	17	0	0	0	0	0
	Aneurysm (endovasc therapy)	0	1	3	7	16	0	2	4	11	32	0	0	0	0	1
	Tumor embo, thrombectomy, or stent	0	1	3	6	12	0	2	4	8	56	0	0	0	0	1
	TOTAL - Endovasc Therp Tum or Vasc Lesn	0	4	8	16	33	0	6	12	26	104	0	0	0	0	3
Adult Craniotomy - Pain	Pain (adult craniotomy)	1	3	5	9	18	7	13	18	26	40	0	0	0	1	4
	TOTAL - Adult Craniotomy - Pain	1	3	5	9	18	7	13	18	26	40	0	0	0	1	4

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		10	30	50	70	90	10	30	50	70	90	10	30	50	70	90
RRC Area	RRC Procedure															
Adult Cran-Transphen-Sell/Parasellar Tum	Transphen-sel/parasel tumors	1	3	6	10	21	10	15	21	30	47	0	0	0	1	4
	TOTAL - Transphen-Sell/Parasellar Tum	1	3	6	10	21	10	15	21	30	47	0	0	0	1	4
Adult - Cranial-Extracran Vasc Proc	Bypass, CEA, Ligation	0	1	3	5	9	2	4	7	9	16	0	0	0	0	1
	TOTAL - Extracran Vascular Procs	0	1	3	5	9	2	4	7	9	16	0	0	0	0	1
Adult - Radiosurgery	Radiosurgery	0	0	2	7	12	1	8	10	14	26	0	0	0	0	0
	TOTAL - Radiosurgery	0	0	2	7	12	1	8	10	14	26	0	0	0	0	0
Adult Functional Procedures	Vagal nerve stimulation	0	0	1	3	6	1	2	5	8	14	0	0	0	0	1
	Stimulation for pain	0	1	3	6	17	1	5	10	17	36	0	0	0	0	1
	DBS or lesioning	0	3	5	12	27	2	10	19	28	63	0	0	0	0	2
	Cordotomy/rhizotomy	0	0	0	0	2	0	0	0	1	2	0	0	0	0	0
	Sympathectomy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Intrathecal & implantable pumps	0	1	2	5	12	2	5	9	14	22	0	0	0	0	1
	Other (adult functional proc)	0	1	2	7	14	1	5	9	15	37	0	0	0	0	1
	TOTAL - Functional Procedures	3	9	20	37	65	25	44	62	81	134	0	0	0	2	8
Adult VP Shunt (CSF Diversn)	VPS	3	9	15	22	38	20	30	40	54	71	0	0	0	1	5
	ETV	0	0	0	1	3	0	1	2	3	6	0	0	0	0	0
	Other CSF diversion	0	1	2	4	7	1	4	5	9	17	0	0	0	0	1
	TOTAL - VP Shunt	4	12	19	27	44	24	38	48	67	89	0	0	0	2	7
TOTAL - Adult Cranial	TOTAL - Adult Cranial	56	114	165	231	372	282	373	471	574	767	0	2	10	25	53

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NEUROLOGICAL SURGERY : NATIONAL RESIDENT REPORT (Percentiles Table)

Reporting Period: Total Experience of Residents Completing Programs in 2017-2018

'Residency Review Committee for 'Neurological Surgery

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Programs in the Nation: 97 Residents in the Nation: 186

		Senior Resident Surgeon					Lead Resident Surgeon					Assistant Resident Surgeon				
		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															
Adt Spinal - ACD with Instrumentn	Antr cervical appr for decom/stabiliz	3	8	14	24	44	23	43	57	85	130	0	0	1	2	6
	TOTAL - ACD	3	8	14	24	44	23	43	57	85	130	0	0	1	2	6
Adt Spin - C-spin Fract Op Stabiliz Proc	Postr cervical appr for decom/stabiliz	2	7	12	21	35	19	36	48	66	91	0	0	0	2	5
	TOTAL - C-spine Fract Op Stabil	2	7	12	21	35	19	36	48	66	91	0	0	0	2	5
Adult Spinal - Lumbar Discectomy	Lumbar discectomy	5	13	22	33	74	40	64	87	127	190	0	0	1	3	10
	TOTAL - Lumbar Discectomy	5	13	22	33	74	40	64	87	127	190	0	0	1	3	10
Adult Spinl - Thorac/Lumb Instrum & Fusn	Thoracic/lumbar instrumentn & fusion	7	16	25	43	85	43	76	111	144	222	0	0	1	4	11
	TOTAL - Thorac/Lumb Instrum & Fusn	7	16	25	43	85	43	76	111	144	222	0	0	1	4	11
Adult Spinal - Peripheral Nerve Procs	Neurolysis/transposition	0	0	0	0	1	0	0	0	1	2	0	0	0	0	0
	Nerve repair	0	1	2	5	11	2	5	9	15	30	0	0	0	0	1
	Peripheral nerve tumor	0	0	0	1	2	0	1	2	3	6	0	0	0	0	0
	Other (peripheral nerve procs)	0	0	1	2	6	0	2	4	6	11	0	0	0	0	1
	TOTAL - Peripheral Nerve Procs	1	3	5	9	20	7	11	16	24	44	0	0	0	0	2
TOTAL - Adult Spinal	TOTAL - Adult Spinal	23	54	84	124	246	157	254	345	422	653	0	0	4	13	34

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Reporting Period: Total Experience of Residents Completing Programs in 2017-2018

'Residency Review Committee for 'Neurological Surgery

Report Date: August 21, 2018

[Page 4] Programs in the Nation: 97 Residents in the Nation: 186

		Senior Resident Surgeon					Lead Resident Surgeon					Assistant Resident Surgeon				
		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															
Pediatric Craniotomy - Brain Tumor	Craniotomy - brain tumor (ped)	0	1	3	6	12	3	7	11	15	21	0	0	0	0	2
	TOTAL - Ped Craniotomy - Brain Tum	0	1	3	6	12	3	7	11	15	21	0	0	0	0	2
Pediatric Craniotomy for Trauma	Craniotomy for trauma (ped)	0	1	4	6	10	5	8	11	13	19	0	0	0	0	2
	Craniotomy for craniosynostosis (ped)	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	TOTAL - Ped Craniotomy for Trauma	0	1	4	6	10	5	9	11	13	21	0	0	0	0	2
Pediatric Spinal Procedures	Spinal procedures (ped)	0	1	2	4	9	4	6	9	13	22	0	0	0	0	1
	TOTAL - Ped Spinal Procedures	0	1	2	4	9	4	6	9	13	22	0	0	0	0	1
Pediatric VP Shunt	VP shunt (ped)	0	2	6	13	29	10	17	25	40	59	0	0	0	1	4
	TOTAL - Ped VP Shunt	0	2	6	13	29	10	17	25	40	59	0	0	0	1	4
TOTAL - Pediatric	TOTAL - Pediatric	3	7	15	30	59	26	44	60	82	114	0	0	0	2	8
Craniotomy for Epilepsy (Adult and Ped)	Craniotomy for epilepsy	0	2	4	7	15	5	9	13	18	35	0	0	0	0	2
	TOTAL - Epilepsy	0	2	4	7	15	5	9	13	18	35	0	0	0	0	2

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NEUROLOGICAL SURGERY : NATIONAL RESIDENT REPORT (Percentiles Table)

Reporting Period: Total Experience of Residents Completing Programs in 2017-2018

'Residency Review Committee for 'Neurological Surgery

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[Page 5] Programs in the Nation: 97 Residents in the Nation: 186

		Senior Resident Surgeon					Lead Resident Surgeon					Assistant Resident Surgeon				
		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															
Minor Procedures/Critical Care	ICP monitor placement	0	2	5	13	23	2	5	8	13	24	0	0	0	0	1
	Ext ventricular drain placmnt	1	4	7	12	24	7	13	20	33	61	0	0	0	0	2
	VP shunt tap/programming	0	4	9	13	28	4	11	17	26	53	0	0	0	0	1
	Cervical spine traction	0	1	2	3	6	2	4	6	7	14	0	0	0	0	0
	Stereotactic frame placmnt	0	0	1	3	9	0	1	4	8	19	0	0	0	0	1
	CVP line placement	0	1	3	6	11	1	6	9	11	18	0	0	0	0	0
	Airway management	0	0	3	6	10	1	5	9	11	14	0	0	0	0	0
	Arterial line placement	0	0	2	6	11	2	8	10	13	22	0	0	0	0	0
	Arteriography	0	2	8	21	51	0	5	15	30	167	0	0	0	0	3
	TOTAL - Critical Care		14	33	63	89	170	51	86	126	183	320	0	0	1	3
TOTAL - Tracked Procedures	TOTAL - Credit Procedures	120	249	346	499	760	626	883	1,070	1,306	1,577	0	4	20	50	98
Additional Procedures	Craniofacial	0	0	1	3	7	0	1	3	6	12	0	0	0	0	1
	Tumor resection: primary/metast	0	1	2	4	10	0	2	5	8	15	0	0	0	0	2
	Spinal vascular lesion resectio	0	0	1	1	3	0	0	1	2	5	0	0	0	0	1
	Reconstructive secondary proc	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	Miscellaneous/unclassified	1	3	7	10	19	2	7	12	18	28	0	0	0	1	3
TOTAL - Additional Procs		2	7	12	20	33	6	16	26	34	52	0	0	0	2	6
Non-Tracked Procedures	Non-Tracked Procedures	0	1	4	7	21	1	4	10	16	34	0	0	0	0	2

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