



Accreditation Council for Graduate Medical Education

Ophthalmology 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 resident role.
 - 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 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.

OPHTHALMOLOGY: NATIONAL RESIDENT REPORT (Main Table)
Reporting Period: Total Experience of Residents Completing Programs in 2012-2013
Residency Review Committee for Ophthalmology
Report Date: September 24, 2013

[PART 1]		Number of Programs in the Nation: 117					Number of Residents in the Nation: 475									
		Surgeon					Assistant					TOTAL				
		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															
Cataract	Phacoemulsification	155.2	49	76	146	311	75.6	67	0	56	440	230.8	84	83	219	662
	Non-phacoemulsification ECCE	2.5	3	0	2	22	2.4	3	0	2	24	4.9	4	0	4	33
	TOTAL - Cataract	157.7	49	79	149	313	78.1	68	0	60	444	235.7	84	86	224	666
Other Cataract	Other cataract / IOL Surgery	2.5	3	0	2	17	3.8	6	0	2	68	6.3	7	0	5	70
	Anterior vitrectomy	2.0	3	0	1	17	1.1	2	0	0	16	3.1	4	0	2	21
	TOTAL - Other Cataract	4.5	4	0	3	30	4.9	6	0	3	68	9.4	8	0	7	71
Laser Surgery	YAG capsulotomy	16.5	9	0	14	72	0.8	2	0	0	24	17.2	10	0	15	83
	Laser trabeculoplasty	11.8	10	0	8	66	0.7	2	0	0	10	12.4	10	0	9	66
	Laser iridotomy	15.2	11	1	12	89	0.8	2	0	0	23	16.0	11	1	13	90
	Panretinal laser photocoagulation	52.1	66	2	32	652	2.5	8	0	1	132	54.5	68	3	35	652
	Focal laser photocoagulation	13.0	12	0	9	62	0.8	2	0	0	26	13.8	12	0	9	62
	Cyclodestructive procedures	2.0	3	0	1	23	0.6	2	0	0	33	2.6	3	0	1	33
	Other glaucoma lasers (incl iridoplasty)	0.9	2	0	0	9	0.1	0	0	0	5	1.0	2	0	0	11
	TOTAL - Laser Surgery	111.4	79	25	89	696	6.2	12	0	3	179	117.6	81	26	94	697
Corneal Surgery	Keratoplasty	2.1	3	0	1	17	7.0	7	0	5	39	9.2	7	0	8	43
	Conjunctival procs/Pterygium excision	5.5	6	0	3	36	1.4	2	0	1	12	6.9	7	0	5	36
	Other Cornea	4.4	4	0	3	37	3.9	5	0	2	29	8.3	7	0	6	52
	TOTAL - Cornea Surgery	12.0	9	0	10	63	12.3	11	0	9	52	24.3	14	2	22	79

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[PART 2]		Number of Programs in the Nation: 117					Number of Residents in the Nation: 475									
		Surgeon					Assistant					TOTAL				
		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															
Keratorefractive Surgery	Incisional procedures	1.3	4	0	0	58	0.8	3	0	0	27	2.1	5	0	0	58
	Laser procedures	3.8	13	0	0	187	9.4	15	0	6	214	13.1	20	0	8	217
	Other (keratorefractive)	0.0	0	0	0	3	0.1	1	0	0	6	0.1	1	0	0	6
	TOTAL - Keratorefractive Surgery	5.1	14	0	1	187	10.3	15	0	7	217	15.4	20	0	9	220
Strabismus	Any muscle surgery	26.6	18	2	21	148	16.0	18	0	10	122	42.6	28	7	36	213
	Other strabismus	0.4	2	0	0	35	0.2	1	0	0	6	0.6	2	0	0	35
	TOTAL - Strabismus	26.9	18	2	21	157	16.2	19	0	10	123	43.2	29	7	36	222
Glaucoma	Filtering procedures	4.2	4	0	3	21	5.1	6	0	3	40	9.3	8	0	7	46
	Shunting procedures	6.0	4	0	5	26	5.8	6	0	4	42	11.8	8	0	10	53
	Other glaucoma	2.2	3	0	1	28	2.0	3	0	1	30	4.2	5	0	3	35
	TOTAL - Glaucoma	12.5	7	3	10	42	12.8	12	0	10	74	25.3	14	4	23	93
Retinal Vitreous	RRD repair	0.9	2	0	0	12	5.0	5	0	4	47	6.0	6	0	5	51
	Posterior vitrectomy (Pars Plana)	5.2	8	0	2	75	19.8	15	0	16	139	25.0	19	0	21	192
	TOTAL - Retinal Vitreous	6.1	8	0	3	79	24.9	18	0	21	160	31.0	22	2	27	214
Other Retinal	Cryotherapy	0.8	2	0	0	19	0.5	1	0	0	11	1.3	3	0	0	22
	Vitreous tap/inject	72.6	66	0	52	346	3.9	13	0	1	161	76.5	68	0	56	347
	Other retina	0.2	1	0	0	4	0.3	1	0	0	6	0.5	1	0	0	7
	TOTAL - Other Retinal	73.6	67	0	53	347	4.7	13	0	2	161	78.3	68	0	58	348

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[PART 3] Number of Programs in the Nation: 117 Number of Residents in the Nation: 475

		Surgeon					Assistant					TOTAL				
		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															
Oculoplastic and Orbit	Eye removal and implant	2.8	3	0	2	17	1.8	2	0	1	13	4.6	3	0	4	23
	Lacrimal surgery	7.1	6	0	6	45	6.4	7	0	5	51	13.5	10	0	11	92
	Other orbital surgery (eg, orbitotomy)	1.5	2	0	1	18	5.4	6	0	3	43	6.9	7	0	5	61
	Eyelid laceration / canalicular repair	10.1	8	0	8	81	3.6	5	0	2	28	13.7	11	0	11	94
	Chalazia excision	8.1	6	0	7	58	1.3	2	0	0	21	9.3	6	1	8	58
	Tarsorrhaphy	2.5	3	0	2	21	1.1	2	0	0	15	3.5	3	0	3	27
	Ptosis repair	6.5	7	0	5	49	8.6	10	0	5	82	15.1	14	0	12	115
	Entropion / ectropion repair	4.7	5	0	3	32	4.6	5	0	3	38	9.4	8	0	8	54
	Blepharoplasty / reconstruction	10.2	10	0	7	73	9.4	12	0	5	105	19.6	18	0	14	147
	Temporal artery biopsy	1.8	3	0	1	19	0.7	1	0	0	7	2.5	3	0	2	19
	Other oculoplastic surgery	13.6	10	0	11	80	6.6	9	0	4	92	20.2	15	0	17	172
	TOTAL - Oculoplastic and orbit	68.8	35	12	60	301	49.4	49	0	35	400	118.2	69	25	100	701
Globe Trauma	Corneal/corneoscleral laceration, globe rup	7.5	5	0	6	38	1.6	2	0	1	13	9.1	6	0	8	46
	Intraocular foreign body	0.3	1	0	0	17	0.3	1	0	0	4	0.6	1	0	0	20
	Other globe trauma (eg, ant chamber washout)	1.6	2	0	1	22	1.2	3	0	0	24	2.8	4	0	1	42
	TOTAL - Globe Trauma	9.4	6	0	8	46	3.1	4	0	2	26	12.5	8	0	11	61
TOTAL OF ALL PROCS	TOTAL - All Procedures	488.1	165	214	461	1,136	222.8	139	0	202	809	710.9	222	242	689	1,558

OPHTHALMOLOGY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)

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[PART 1]		Programs in the Nation: 117					Residents in the Nation: 475									
		Surgeon					Assistant					TOTAL				
		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															
Cataract	Phacoemulsification	99	123	146	176	225	7	33	56	97	166	138	180	219	257	343
	Non-phacoemulsification ECCE	0	1	2	3	6	0	1	2	3	6	1	2	4	6	10
	TOTAL - Cataract	101	126	149	178	228	8	35	60	100	171	141	185	224	262	347
Other Cataract	Other cataract / IOL Surgery	0	1	2	3	6	0	1	2	4	9	0	3	5	8	13
	Anterior vitrectomy	0	0	1	3	5	0	0	0	1	3	0	1	2	4	8
	TOTAL - Other Cataract	0	2	3	6	11	0	1	3	6	12	1	4	7	12	20
Laser Surgery	YAG capsulotomy	7	10	14	20	29	0	0	0	1	2	7	11	15	20	30
	Laser trabeculoplasty	5	6	8	13	24	0	0	0	0	2	5	6	9	14	25
	Laser iridotomy	5	8	12	18	29	0	0	0	1	2	5	9	13	19	31
	Panretinal laser photocoagulation	20	23	32	48	102	0	0	1	2	6	20	26	35	50	103
	Focal laser photocoagulation	4	6	9	14	30	0	0	0	0	2	4	7	9	15	30
	Cyclodestructive procedures	0	0	1	3	5	0	0	0	0	2	0	0	1	3	7
	Other glaucoma lasers (incl iridoplasty)	0	0	0	1	3	0	0	0	0	0	0	0	0	1	3
	TOTAL - Laser Surgery	54	71	89	117	195	0	1	3	6	14	57	77	94	123	204
Corneal Surgery	Keratoplasty	0	0	1	3	6	0	2	5	9	17	1	4	8	11	19
	Conjunctival procs/Pterygium excision	0	2	3	6	15	0	0	1	2	4	1	2	5	8	16
	Other Cornea	1	2	3	5	9	0	1	2	4	10	2	4	6	10	18
	TOTAL - Cornea Surgery	4	6	10	14	24	1	5	9	15	28	9	15	22	30	43

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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															
Keratorefractive Surgery	Incisional procedures	0	0	0	0	4	0	0	0	0	2	0	0	0	1	6
	Laser procedures	0	0	0	1	9	0	4	6	10	20	1	6	8	12	27
	Other (keratorefractive)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL - Keratorefractive Surgery	0	0	1	4	12	0	5	7	10	22	6	7	9	14	31
Strabismus	Any muscle surgery	11	16	21	30	47	0	4	10	20	37	15	25	36	49	76
	Other strabismus	0	0	0	0	1	0	0	0	0	1	0	0	0	0	2
	TOTAL - Strabismus	11	16	21	31	47	0	4	10	20	37	16	25	36	50	77
Glaucoma	Filtering procedures	0	2	3	5	9	0	1	3	6	13	2	4	7	11	20
	Shunting procedures	2	4	5	7	11	0	2	4	7	13	4	7	10	15	21
	Other glaucoma	0	1	1	3	5	0	0	1	2	5	0	1	3	5	10
	TOTAL - Glaucoma	6	8	10	14	22	1	6	10	16	28	10	16	23	30	45
Retinal Vitreous	RRD repair	0	0	0	1	3	0	2	4	6	11	1	3	5	7	13
	Posterior vitrectomy (Pars Plana)	0	1	2	6	14	5	10	16	25	38	9	14	21	29	46
	TOTAL - Retinal Vitreous	0	1	3	7	16	8	14	21	30	49	11	18	27	36	56
Other Retinal	Cryotherapy	0	0	0	1	2	0	0	0	0	2	0	0	0	1	4
	Vitreous tap/inject	7	28	52	95	160	0	0	1	3	7	8	30	56	99	169
	Other retina	0	0	0	0	1	0	0	0	0	1	0	0	0	0	2
	TOTAL - Other Retinal	8	30	53	96	160	0	1	2	4	8	10	32	58	101	173

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Programs in the Nation: 117 Residents in the Nation: 475

		Surgeon					Assistant					TOTAL				
		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															
Oculoplastic and Orbit	Eye removal and implant	0	1	2	4	6	0	0	1	2	4	1	3	4	6	9
	Lacrimal surgery	1	3	6	9	14	0	3	5	8	14	4	8	11	16	25
	Other orbital surgery (eg, orbitotomy)	0	0	1	2	5	0	1	3	6	14	1	3	5	8	17
	Eyelid laceration / canalicular repair	3	5	8	12	20	0	1	2	4	9	4	7	11	16	27
	Chalazia excision	3	5	7	9	15	0	0	0	1	3	3	6	8	11	17
	Tarsorrhaphy	0	1	2	3	6	0	0	0	1	3	0	1	3	4	8
	Ptosis repair	1	3	5	7	14	0	2	5	10	21	3	7	12	17	30
	Entropion / ectropion repair	0	2	3	6	10	0	1	3	6	11	2	5	8	11	19
	Blepharoplasty / reconstruction	2	4	7	12	22	0	2	5	11	25	4	9	14	23	40
	Temporal artery biopsy	0	0	1	2	5	0	0	0	1	2	0	1	2	3	6
	Other oculoplastic surgery	4	8	11	16	24	0	2	4	7	16	6	12	17	24	38
	TOTAL - Oculoplastic and orbit	35	49	60	76	116	6	19	35	58	113	56	76	100	140	199
Globe Trauma	Corneal/corneoscleral laceration, globe rup	3	5	6	9	14	0	0	1	2	4	4	6	8	11	16
	Intraocular foreign body	0	0	0	0	1	0	0	0	0	1	0	0	0	1	2
	Other globe trauma (eg, ant chamber washout)	0	0	1	2	4	0	0	0	1	3	0	1	1	3	7
	TOTAL - Globe Trauma	4	6	8	11	17	0	1	2	4	8	5	8	11	15	23
TOTAL OF ALL PROCS	TOTAL - All Procedures	295	387	461	553	718	66	134	202	263	420	444	581	689	810	1,000