



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 2015-2016
Residency Review Committee for Ophthalmology
Report Date: September 15, 2016

[PART 1]		Number of Programs in the Nation: 116					Number of Residents in the Nation: 473									
		Surgeon					Assistant					Surgeon + Assistant				
		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 Type															
Cataract	Phacoemulsification	181.0	64	1	173	635	73.8	69	0	55	388	254.7	99	3	238	771
	Non-phacoemulsification ECCE	2.7	7	0	1	122	2.1	5	0	1	85	4.8	11	0	3	207
	TOTAL - Cataracts	183.6	63	87	174	636	75.9	70	0	57	393	259.5	99	88	242	773
Other Cataract	Other cataract/IOL surgery	1.9	3	0	1	20	2.8	4	0	1	26	4.7	5	0	3	26
	Anterior vitrectomy	1.6	2	0	1	12	0.9	2	0	0	12	2.5	3	0	1	18
	TOTAL - Other Cataract	3.5	4	0	2	23	3.6	5	0	2	37	7.1	7	0	5	40
Laser Surgery	YAG capsulotomy	20.6	13	5	18	102	0.6	1	0	0	11	21.2	13	5	18	111
	Laser trabeculoplasty	15.5	17	2	10	164	0.5	2	0	0	17	16.0	17	2	11	164
	Laser iridotomy	15.8	11	2	13	80	0.6	2	0	0	25	16.4	12	2	14	80
	Panretinal laser photocoagulation	47.4	65	4	30	655	1.5	3	0	0	39	48.8	66	4	31	659
	Focal laser photocoagulation	5.4	8	0	3	74	0.4	2	0	0	28	5.9	8	0	3	74
	Cyclodestructive procedures	2.4	4	0	1	25	0.7	2	0	0	14	3.2	5	0	1	32
	Other glaucoma lasers (incl iridoplasty)	0.5	1	0	0	10	0.0	0	0	0	2	0.5	1	0	0	10
	TOTAL - Laser Surgery	107.6	80	24	86	740	4.4	7	0	2	71	112.0	82	24	91	744
Corneal Surgery	Keratoplasty	2.6	3	0	1	21	8.3	7	0	6	38	11.0	7	0	8	45
	Conjunctival procs/Pterygium excision	6.0	6	0	4	36	1.5	2	0	1	17	7.4	6	0	6	53
	Other Cornea	4.0	4	0	3	23	3.2	4	0	2	21	7.2	5	0	6	32
	TOTAL - Cornea Surgery	12.6	8	1	10	52	13.0	9	0	11	48	25.6	13	3	23	73

Statistics are based upon the number of procedures logged by residents in the indicated role.

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[PART 2] Number of Programs in the Nation: 116 Number of Residents in the Nation: 473

		Surgeon					Assistant					Surgeon + Assistant				
		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 Type															
Keratorefractive Surgery	Incisional procedures	1.5	4	0	0	47	1.1	4	0	0	51	2.6	6	0	0	51
	Laser procedures	4.8	17	0	0	176	8.8	13	0	6	134	13.6	25	0	8	292
	Other (keratorefractive)	0.0	0	0	0	3	0.1	0	0	0	4	0.1	0	0	0	4
	TOTAL - Keratorefractive Surgery	6.3	17	0	1	177	9.9	13	0	7	137	16.2	25	0	9	293
Strabismus	Any muscle surgery	24.4	16	4	20	127	11.5	14	0	7	82	35.9	23	4	30	148
	Other strabismus	0.2	1	0	0	9	0.2	1	0	0	7	0.4	1	0	0	11
	TOTAL - Strabismus	24.6	16	4	20	127	11.7	14	0	7	83	36.3	23	4	31	149
Glaucoma	Filtering procedures	4.8	4	0	4	26	5.2	7	0	3	43	10.0	8	0	8	50
	Shunting procedures	6.3	5	0	5	44	5.3	7	0	3	55	11.6	9	0	9	62
	Other glaucoma	2.2	3	0	1	23	1.5	2	0	1	19	3.8	4	0	3	31
	TOTAL - Glaucoma	13.4	8	0	11	69	12.0	13	0	8	102	25.4	16	3	21	115
Retinal Vitreous	RRD repair	0.9	2	0	0	17	4.5	5	0	3	30	5.4	6	0	4	42
	Posterior vitrectomy (Pars Plana)	4.8	8	0	2	95	19.1	14	0	15	87	23.9	17	0	19	123
	TOTAL - Retinal Vitreous	5.7	9	0	2	95	23.6	17	0	18	101	29.3	21	3	22	147
Other Retinal	Cryotherapy	0.3	1	0	0	26	0.3	1	0	0	6	0.6	2	0	0	28
	Vitreous tap/inject	116.7	118	0	74	879	3.0	9	0	1	138	119.7	120	2	78	879
	Other retina	0.1	0	0	0	4	0.2	1	0	0	12	0.3	1	0	0	12
	TOTAL - Other Retinal	117.1	118	0	74	880	3.5	10	0	1	140	120.6	120	2	79	880

Statistics are based upon the number of procedures logged by residents in the indicated role.

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[PART 3]		Number of Programs in the Nation: 116 Number of Residents in the Nation: 473														
		Surgeon					Assistant					Surgeon + Assistant				
		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 Type															
Oculoplastic and Orbit	Eye removal and implant	2.6	3	0	2	17	1.6	2	0	1	14	4.3	4	0	3	28
	Lacrimal surgery	6.4	5	0	5	39	5.4	6	0	4	34	11.8	9	0	10	63
	Other orbital surgery (eg, orbitotomy)	1.6	2	0	1	18	4.8	6	0	3	45	6.4	7	0	5	45
	Eyelid laceration / canalicular repair	10.2	7	0	9	41	3.2	5	0	2	50	13.4	10	0	11	65
	Chalazia excision	8.2	5	0	7	46	1.0	2	0	0	13	9.2	6	0	8	46
	Tarsorrhaphy	2.6	3	0	2	19	1.1	2	0	0	20	3.7	4	0	2	28
	Ptosis repair	6.9	7	0	5	59	7.6	10	0	5	84	14.4	13	0	11	92
	Entropion / ectropion repair	4.7	5	0	3	31	4.4	5	0	3	37	9.1	7	0	7	47
	Blepharoplasty / reconstruction	11.5	10	0	9	73	8.1	11	0	4	94	19.6	18	0	15	167
	Temporal artery biopsy	1.6	2	0	1	19	0.6	1	0	0	7	2.2	3	0	1	22
	Other oculoplastic surgery	13.6	10	0	11	55	5.5	7	0	3	61	19.1	14	0	16	79
	TOTAL - Oculoplastic and orbit	70.0	37	15	61	248	43.3	45	0	30	326	113.3	68	18	99	476
Globe Trauma	Corneal/corneoscleral laceration, globe rup	8.1	5	0	7	31	1.3	2	0	1	11	9.4	5	0	8	38
	Intraocular foreign body	0.4	1	0	0	6	0.3	1	0	0	3	0.6	1	0	0	7
	Other globe trauma (eg, ant chamber washout)	0.9	1	0	1	7	0.3	1	0	0	5	1.2	1	0	1	8
	TOTAL - Globe Trauma	9.4	5	0	8	37	1.9	2	0	1	15	11.2	6	0	9	47
TOTAL	TOTAL - Credit Procedures	553.8	228	197	511	1,599	202.8	131	3	179	646	756.6	273	224	729	1,825
Non-Tracked	Non-Tracked Codes	8.9	13	0	4	111	3.9	8	0	1	82	12.8	18	0	6	132

Statistics are based upon the number of procedures logged by residents in the indicated role.

OPHTHALMOLOGY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)

Reporting Period: Total Experience of Residents Completing Programs in 2015-2016

Residency Review Committee for Ophthalmology

Report Date: September 15, 2016

[PART 1]		Programs in the Nation: 116					Residents in the Nation: 473									
		Surgeon					Assistant					Surgeon + Assistant				
		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	112	145	173	205	253	6	28	55	92	168	146	196	238	284	392
	Non-phacoemulsification ECCE	0	0	1	3	5	0	0	1	2	5	0	1	3	5	9
	TOTAL - Cataracts	114	147	174	208	263	7	31	57	94	172	151	201	242	289	395
Other Cataract	Other cataract/IOL surgery	0	0	1	2	5	0	0	1	3	7	0	1	3	6	11
	Anterior vitrectomy	0	0	1	2	4	0	0	0	1	3	0	0	1	3	7
	TOTAL - Other Cataract	0	1	2	4	9	0	0	2	4	10	1	3	5	9	17
Laser Surgery	YAG capsulotomy	8	12	18	24	37	0	0	0	0	2	8	13	18	25	39
	Laser trabeculoplasty	5	7	10	15	30	0	0	0	0	2	5	7	11	16	32
	Laser iridotomy	5	9	13	18	30	0	0	0	0	2	5	9	14	19	31
	Panretinal laser photocoagulation	11	19	30	46	88	0	0	0	1	4	13	21	31	47	88
	Focal laser photocoagulation	0	1	3	6	14	0	0	0	0	1	0	1	3	7	15
	Cyclodestructive procedures	0	0	1	3	6	0	0	0	0	2	0	0	1	3	8
	Other glaucoma lasers (incl iridoplasty)	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2
	TOTAL - Laser Surgery	46	68	86	116	180	0	1	2	4	11	49	70	91	121	183
	Corneal Surgery	Keratoplasty	0	0	1	3	6	2	5	6	9	17	5	6	8	13
Conjunctival procs/Pterygium excision		1	2	4	7	14	0	0	1	2	4	1	3	6	9	16
Other Cornea		0	2	3	5	9	0	1	2	4	8	1	4	6	9	15
TOTAL - Cornea Surgery		4	7	10	14	24	3	7	11	15	26	11	17	23	31	45

Statistics are based upon the number of procedures logged by residents in the indicated role.

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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	1	5	0	0	0	0	3	0	0	0	2	7
	Laser procedures	0	0	0	1	9	0	4	6	9	17	2	6	8	11	25
	Other (keratorefractive)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL - Keratorefractive Surgery	0	0	1	4	14	0	6	7	10	18	6	7	9	14	27
Strabismus	Any muscle surgery	10	14	20	27	45	0	3	7	15	28	13	22	30	43	63
	Other strabismus	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1
	TOTAL - Strabismus	10	14	20	27	45	0	3	7	15	29	13	22	31	43	64
Glaucoma	Filtering procedures	0	2	4	6	10	0	1	3	6	14	2	4	8	12	21
	Shunting procedures	1	3	5	8	13	0	1	3	6	14	2	6	9	14	23
	Other glaucoma	0	0	1	3	6	0	0	1	2	4	0	1	3	4	9
	TOTAL - Glaucoma	6	8	11	16	25	0	3	8	14	29	9	15	21	30	47
Retinal Vitreous	RRD repair	0	0	0	1	3	0	1	3	5	11	0	2	4	7	12
	Posterior vitrectomy (Pars Plana)	0	1	2	5	12	7	11	15	22	36	9	13	19	28	46
	TOTAL - Retinal Vitreous	0	1	2	6	16	9	13	18	28	47	11	16	22	34	57
Other Retinal	Cryotherapy	0	0	0	0	1	0	0	0	0	1	0	0	0	0	2
	Vitreous tap/inject	20	41	74	135	282	0	0	1	2	6	21	44	78	136	295
	Other retina	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
	TOTAL - Other Retinal	20	41	74	136	282	0	0	1	3	7	22	44	79	138	295

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		Surgeon					Assistant					Surgeon + Assistant				
		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	3	6	0	0	1	2	4	1	2	3	5	8
	Lacrimal surgery	1	3	5	8	13	0	2	4	7	13	2	6	10	14	23
	Other orbital surgery (eg, orbitotomy)	0	0	1	2	4	0	1	3	6	12	1	2	5	7	14
	Eyelid laceration / canalicular repair	3	6	9	12	19	0	0	2	4	7	4	7	11	16	25
	Chalazia excision	3	5	7	10	15	0	0	0	1	3	3	6	8	11	17
	Tarsorrhaphy	0	1	2	3	6	0	0	0	1	3	0	1	2	4	9
	Ptosis repair	1	3	5	8	17	0	1	5	10	18	3	7	11	18	28
	Entropion / ectropion repair	0	2	3	6	11	0	1	3	5	11	2	5	7	11	19
	Blepharoplasty / reconstruction	2	5	9	13	25	0	1	4	10	21	4	8	15	24	41
	Temporal artery biopsy	0	0	1	2	4	0	0	0	1	2	0	0	1	3	5
	Other oculoplastic surgery	3	7	11	16	28	0	1	3	6	15	5	10	16	23	38
	TOTAL - Oculoplastic and orbit		34	48	61	79	117	3	14	30	56	96	47	75	99	126
Globe Trauma	Corneal/corneoscleral laceration, globe rup	3	5	7	10	14	0	0	1	2	4	4	6	8	11	17
	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	1	2	0	0	0	0	1	0	0	1	2	3
	TOTAL - Globe Trauma		4	6	8	11	17	0	0	1	2	5	5	7	9	13
TOTAL	TOTAL - Credit Procedures	324	421	511	603	868	51	121	179	246	402	431	588	729	861	1,124
Non-Tracked	Non-Tracked Codes	0	2	4	9	21	0	0	1	3	11	1	3	6	13	32

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