



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 2013-2014
Residency Review Committee for Ophthalmology
Report Date: October 20, 2014

[PART 1]		Number of Programs in the Nation: 116 Number of Residents in the Nation: 463														
		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	161.4	49	82	152	356	72.7	65	0	58	528	234.1	83	88	218	681
	Non-phacoemulsification ECCE	2.3	3	0	1	28	2.2	3	0	1	26	4.4	5	0	3	36
	TOTAL - Cataracts	163.7	50	87	152	358	74.8	66	0	60	533	238.5	84	89	223	688
Other Cataract	Other cataract/IOL surgery	2.3	3	0	1	20	3.8	6	0	2	43	6.0	7	0	4	58
	Anterior vitrectomy	2.0	3	0	1	18	0.9	2	0	0	13	2.9	4	0	2	31
	TOTAL - Other Cataract	4.3	5	0	3	30	4.7	6	0	3	46	8.9	9	0	7	61
Laser Surgery	YAG capsulotomy	18.0	11	0	15	78	0.6	2	0	0	19	18.6	11	0	16	79
	Laser trabeculoplasty	13.1	11	0	9	89	0.6	2	0	0	22	13.7	11	0	10	89
	Laser iridotomy	15.8	11	0	13	62	0.7	2	0	0	27	16.5	11	0	14	62
	Panretinal laser photocoagulation	50.0	62	0	31	668	1.9	4	0	1	47	51.9	62	0	33	670
	Focal laser photocoagulation	10.3	11	0	7	79	0.7	2	0	0	14	11.0	11	0	8	79
	Cyclodestructive procedures	2.1	3	0	1	14	0.5	1	0	0	10	2.6	3	0	2	24
	Other glaucoma lasers (incl iridoplasty)	0.6	1	0	0	9	0.1	0	0	0	4	0.7	1	0	0	9
	TOTAL - Laser Surgery	109.9	75	0	87	723	5.1	9	0	2	69	114.9	76	0	94	726
Corneal Surgery	Keratoplasty	2.5	3	0	1	19	7.9	6	0	6	39	10.4	7	0	8	43
	Conjunctival procs/Pterygium excision	5.6	6	0	4	49	1.3	2	0	1	13	6.9	7	0	5	50
	Other Cornea	4.2	4	0	3	24	3.7	4	0	2	25	7.8	7	0	6	40
	TOTAL - Cornea Surgery	12.2	8	0	10	55	12.9	10	0	10	52	25.1	13	4	22	75

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OPHTHALMOLOGY: NATIONAL RESIDENT REPORT (Main Table)
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[PART 2]

Number of Programs in the Nation: 116 Number of Residents in the Nation: 463

		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	1.6	5	0	0	74	0.9	3	0	0	35	2.5	6	0	0	74
	Laser procedures	4.4	15	0	0	184	8.1	9	0	6	67	12.6	18	0	7	184
	Other (keratorefractive)	0.0	0	0	0	7	0.1	0	0	0	6	0.1	1	0	0	8
	TOTAL - Keratorefractive Surgery	6.0	16	0	1	184	9.1	9	0	7	68	15.2	18	0	9	184
Strabismus	Any muscle surgery	24.4	13	3	20	73	14.8	17	0	10	141	39.2	23	9	34	151
	Other strabismus	0.3	2	0	0	24	0.3	1	0	0	13	0.6	2	0	0	25
	TOTAL - Strabismus	24.7	14	3	20	74	15.1	17	0	10	142	39.8	24	9	35	152
Glaucoma	Filtering procedures	4.2	4	0	3	20	4.8	6	0	3	42	8.9	8	0	7	53
	Shunting procedures	6.8	5	0	6	32	5.7	6	0	4	43	12.5	9	0	10	59
	Other glaucoma	2.3	3	0	1	41	1.8	3	0	1	30	4.1	5	0	3	44
	TOTAL - Glaucoma	13.3	7	1	11	46	12.2	12	0	10	78	25.6	15	1	23	100
Retinal Vitreous	RRD repair	1.0	2	0	0	21	4.6	5	0	3	35	5.7	6	0	4	35
	Posterior vitrectomy (Pars Plana)	4.8	7	0	3	85	19.7	14	0	16	97	24.5	17	2	20	182
	TOTAL - Retinal Vitreous	5.8	8	0	3	88	24.3	17	0	20	121	30.1	21	4	25	209
Other Retinal	Cryotherapy	0.4	1	0	0	22	0.3	1	0	0	6	0.8	2	0	0	24
	Vitreous tap/inject	85.0	82	0	54	532	3.2	8	0	1	90	88.2	83	0	58	532
	Other retina	0.2	1	0	0	4	0.3	1	0	0	6	0.4	1	0	0	7
	TOTAL - Other Retinal	85.6	82	0	55	534	3.8	8	0	2	94	89.4	83	0	59	534

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

OPHTHALMOLOGY: NATIONAL RESIDENT REPORT (Main Table)
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Residency Review Committee for Ophthalmology
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[PART 3]		Number of Programs in the Nation: 116 Number of Residents in the Nation: 463															
		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	2.8	2	0	2	14	1.9	2	0	1	12	4.6	3	0	4	19	
	Lacrimal surgery	6.9	5	0	6	37	5.9	5	0	5	25	12.8	8	0	11	49	
	Other orbital surgery (eg, orbitotomy)	1.8	3	0	1	20	5.0	5	0	3	37	6.8	7	0	5	50	
	Eyelid laceration / canalicular repair	10.4	7	1	8	48	3.7	5	0	2	36	14.1	10	2	12	64	
	Chalazia excision	8.0	5	0	6	57	1.1	2	0	0	19	9.1	6	0	7	57	
	Tarsorrhaphy	2.6	3	0	2	21	1.0	2	0	0	10	3.6	4	0	3	29	
	Ptosis repair	6.5	7	0	5	51	7.9	9	0	5	55	14.3	12	0	12	76	
	Entropion / ectropion repair	4.7	4	0	4	30	4.5	5	0	3	33	9.2	7	0	7	39	
	Blepharoplasty / reconstruction	10.2	9	0	7	49	8.4	10	0	5	86	18.6	15	0	15	102	
	Temporal artery biopsy	1.4	2	0	1	13	0.7	1	0	0	6	2.1	2	0	1	14	
	Other oculoplastic surgery	13.8	9	0	12	54	5.6	7	0	4	75	19.4	12	0	17	91	
	TOTAL - Oculoplastic and orbit		68.9	32	14	62	237	45.6	39	0	35	267	114.5	56	22	102	389
	Globe Trauma	Corneal/corneoscleral laceration, globe rup	7.4	4	0	7	25	1.4	2	0	1	15	8.7	5	0	7	35
Intraocular foreign body		0.3	1	0	0	4	0.2	0	0	0	3	0.5	1	0	0	6	
Other globe trauma (eg, ant chamber washout)		1.3	2	0	1	15	0.8	2	0	0	27	2.1	3	0	1	33	
TOTAL - Globe Trauma		8.9	5	0	8	34	2.4	4	0	1	29	11.3	7	0	10	49	
TOTAL	TOTAL - Credit Procedures	503.3	179	204	472	1,183	210.1	127	0	189	906	713.4	232	241	689	1,689	
Non-Tracked	Non-Tracked Codes	12.6	28	0	5	429	4.1	7	0	2	58	16.7	32	0	8	434	

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

OPHTHALMOLOGY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)
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Residency Review Committee for Ophthalmology
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[PART 1]		Programs in the Nation: 116 Residents in the Nation: 463														
		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	107	127	152	185	228	7	31	58	88	158	140	186	218	265	340
	Non-phacoemulsification ECCE	0	0	1	3	6	0	0	1	3	5	0	2	3	5	10
	TOTAL - Cataracts	108	129	152	188	229	8	32	60	91	163	143	189	223	269	345
Other Cataract	Other cataract/IOL surgery	0	0	1	3	5	0	1	2	4	10	0	2	4	7	14
	Anterior vitrectomy	0	0	1	2	5	0	0	0	1	3	0	0	2	4	8
	TOTAL - Other Cataract	0	1	3	5	10	0	1	3	6	11	1	3	7	11	20
Laser Surgery	YAG capsulotomy	7	11	15	21	33	0	0	0	1	2	8	12	16	22	33
	Laser trabeculoplasty	5	6	9	15	25	0	0	0	0	1	5	7	10	16	25
	Laser iridotomy	5	9	13	19	30	0	0	0	0	2	5	9	14	20	31
	Panretinal laser photocoagulation	15	23	31	47	98	0	0	1	1	4	16	24	33	49	100
	Focal laser photocoagulation	1	4	7	12	24	0	0	0	0	2	1	4	8	12	25
	Cyclodestructive procedures	0	0	1	3	6	0	0	0	0	2	0	0	2	3	7
	Other glaucoma lasers (incl iridoplasty)	0	0	0	1	2	0	0	0	0	0	0	0	0	1	2
	TOTAL - Laser Surgery	49	69	87	118	189	0	1	2	5	12	53	73	94	125	199
Corneal Surgery	Keratoplasty	0	0	1	3	6	2	4	6	9	17	5	6	8	11	20
	Conjunctival procs/Pterygium excision	0	2	4	6	13	0	0	1	2	4	1	3	5	8	15
	Other Cornea	1	2	3	5	9	0	1	2	4	9	2	4	6	10	16
	TOTAL - Cornea Surgery	4	7	10	15	23	3	7	10	15	26	11	17	22	30	44

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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															
Keratorefractive Surgery	Incisional procedures	0	0	0	1	4	0	0	0	0	2	0	0	0	2	6
	Laser procedures	0	0	0	2	8	0	4	6	9	17	1	6	7	12	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	13	0	5	7	10	20	6	7	9	14	28
Strabismus	Any muscle surgery	11	15	20	30	44	0	4	10	17	36	15	24	34	46	68
	Other strabismus	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1
	TOTAL - Strabismus	11	16	20	31	45	0	4	10	18	36	15	24	35	47	69
Glaucoma	Filtering procedures	0	2	3	6	9	0	1	3	6	12	1	4	7	11	19
	Shunting procedures	2	4	6	8	13	0	2	4	7	13	4	7	10	15	24
	Other glaucoma	0	0	1	3	6	0	0	1	2	5	0	1	3	5	9
	TOTAL - Glaucoma	6	8	11	16	23	1	4	10	16	29	9	15	23	31	44
Retinal Vitreous	RRD repair	0	0	0	1	3	0	2	3	5	11	0	2	4	6	12
	Posterior vitrectomy (Pars Plana)	0	1	3	5	10	6	11	16	24	38	9	14	20	29	46
	TOTAL - Retinal Vitreous	0	1	3	6	14	8	13	20	30	48	11	18	25	35	57
Other Retinal	Cryotherapy	0	0	0	0	1	0	0	0	0	1	0	0	0	1	2
	Vitreous tap/inject	13	30	54	103	196	0	0	1	3	7	14	31	58	108	201
	Other retina	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1
	TOTAL - Other Retinal	13	30	55	103	197	0	0	2	4	8	16	32	59	110	204

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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																
Oculoplastic and Orbit	Eye removal and implant	0	1	2	4	6	0	0	1	3	5	1	2	4	6	9	
	Lacrimal surgery	1	3	6	9	14	0	2	5	8	13	4	8	11	16	24	
	Other orbital surgery (eg, orbitotomy)	0	0	1	2	4	0	2	3	6	12	1	3	5	8	15	
	Eyelid laceration / canalicular repair	3	6	8	12	20	0	1	2	4	9	4	8	12	16	27	
	Chalazia excision	3	5	6	9	15	0	0	0	1	3	4	6	7	11	16	
	Tarsorrhaphy	0	1	2	3	6	0	0	0	1	3	0	1	3	4	8	
	Ptosis repair	1	3	5	8	13	0	2	5	10	19	3	7	12	17	29	
	Entropion / ectropion repair	1	2	4	6	10	0	1	3	6	11	2	5	7	11	19	
	Blepharoplasty / reconstruction	2	5	7	12	23	0	2	5	10	20	4	9	15	23	38	
	Temporal artery biopsy	0	0	1	2	4	0	0	0	1	2	0	1	1	3	5	
	Other oculoplastic surgery	4	8	12	17	26	0	2	4	6	14	7	13	17	24	35	
	TOTAL - Oculoplastic and orbit	36	49	62	79	107	6	20	35	58	98	54	80	102	134	186	
Globe Trauma	Corneal/corneoscleral laceration, globe rup	3	5	7	9	13	0	0	1	2	4	4	6	7	10	15	
	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	3	0	0	0	0	2	0	0	1	2	5	
	TOTAL - Globe Trauma	4	6	8	11	16	0	0	1	3	6	5	7	10	13	21	
TOTAL	TOTAL - Credit Procedures	302	387	472	572	734	71	128	189	261	377	433	577	689	814	1,021	
Non-Tracked	Non-Tracked Codes	0	2	5	11	28	0	0	2	4	11	1	4	8	17	37	

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