



# 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 2010-2011**  
**Residency Review Committee for Ophthalmology**  
**Report Date: September 27, 2011**

[PART 1 ]      Number of Programs in the Nation: 117      Number of Residents in the Nation: 470

		Surgeon						Assistant						TOTAL						
		Natl Res AVE	Natl Res STD	Natl Res MIN	Natl Res MED	Natl Res MAX	Min Req	Natl Res AVE	Natl Res STD	Natl Res MIN	Natl Res MED	Natl Res MAX	Min Req	Natl Res AVE	Natl Res STD	Natl Res MIN	Natl Res MED	Natl Res MAX	Min Req	
RRC Area	RRC Procedure																			
Cataract	Phacoemulsification	148.2	50	0	139	380	.	73.0	65	0	57	559	.	221.2	84	0	206	742	.	
	Non-phacoemulsification ECCE	3.6	4	0	3	50	.	2.7	4	0	2	40	.	6.3	7	0	5	90	.	
	<b>TOTAL - Cataract</b>	<b>151.8</b>	<b>50</b>	<b>0</b>	<b>143</b>	<b>382</b>	<b>86</b>	<b>75.7</b>	<b>66</b>	<b>0</b>	<b>61</b>	<b>560</b>	<b>.</b>	<b>227.5</b>	<b>84</b>	<b>0</b>	<b>212</b>	<b>743</b>	<b>.</b>	
Other Cataract	YAG capsulotomy	15.0	10	0	14	67	.	0.6	1	0	0	9	.	15.6	10	0	14	67	.	
	Other cataract / IOL Surgery	2.8	3	0	2	17	.	3.6	7	0	2	105	.	6.4	8	0	5	113	.	
	Anterior vitrectomy	2.7	3	0	2	17	.	1.1	2	0	0	10	.	3.8	4	0	2	20	.	
	<b>TOTAL - Other Cataract</b>	<b>20.5</b>	<b>11</b>	<b>0</b>	<b>19</b>	<b>69</b>	<b>.</b>	<b>5.3</b>	<b>7</b>	<b>0</b>	<b>3</b>	<b>106</b>	<b>.</b>	<b>25.8</b>	<b>14</b>	<b>0</b>	<b>24</b>	<b>144</b>	<b>.</b>	
Corneal Surgery	Penetrating keratoplasty	2.4	3	0	1	24	.	6.8	8	0	5	57	.	9.2	8	0	7	57	.	
	Pterygium excision	5.8	7	0	3	64	.	1.5	2	0	1	21	.	7.3	8	0	5	71	.	
	Other cornea	4.1	4	0	3	40	.	3.7	4	0	2	24	.	7.9	7	0	6	43	.	
	<b>TOTAL - Corneal Surgery</b>	<b>12.3</b>	<b>10</b>	<b>0</b>	<b>10</b>	<b>76</b>	<b>3</b>	<b>12.0</b>	<b>11</b>	<b>0</b>	<b>9</b>	<b>72</b>	<b>.</b>	<b>24.4</b>	<b>15</b>	<b>0</b>	<b>22</b>	<b>87</b>	<b>.</b>	
Keratorefractive Surgery	Keratorefractive Surgery	6.5	18	0	1	162	.	6.1	10	0	3	116	.	12.6	20	0	7	162	.	
	<b>TOTAL - Keratorefractive Surgery</b>	<b>6.5</b>	<b>18</b>	<b>0</b>	<b>1</b>	<b>162</b>	<b>.</b>	<b>6.1</b>	<b>10</b>	<b>0</b>	<b>3</b>	<b>116</b>	<b>.</b>	<b>12.6</b>	<b>20</b>	<b>0</b>	<b>7</b>	<b>162</b>	<b>6</b>	
Strabismus	Any muscle surgery	25.5	17	0	21	102	.	16.5	19	0	10	93	.	42.0	26	0	36	154	.	
	Other strabismus	0.4	2	0	0	27	.	0.3	1	0	0	13	.	0.6	2	0	0	28	.	
	<b>TOTAL - Strabismus</b>	<b>25.9</b>	<b>17</b>	<b>0</b>	<b>21</b>	<b>102</b>	<b>10</b>	<b>16.8</b>	<b>19</b>	<b>0</b>	<b>10</b>	<b>93</b>	<b>.</b>	<b>42.7</b>	<b>26</b>	<b>0</b>	<b>37</b>	<b>154</b>	<b>.</b>	
Glaucoma	Filtering procedures	4.9	5	0	4	33	.	5.5	7	0	4	49	.	10.5	9	0	8	59	.	
	Shunting procedures	5.1	4	0	4	26	.	5.4	6	0	3	48	.	10.6	8	0	8	59	.	
	Other glaucoma	2.0	3	0	1	19	.	1.8	3	0	1	19	.	3.8	4	0	3	26	.	
	<b>TOTAL - Glaucoma</b>	<b>12.1</b>	<b>7</b>	<b>0</b>	<b>10</b>	<b>48</b>	<b>5</b>	<b>12.8</b>	<b>12</b>	<b>0</b>	<b>9</b>	<b>81</b>	<b>.</b>	<b>24.9</b>	<b>15</b>	<b>0</b>	<b>22</b>	<b>97</b>	<b>.</b>	

**OPHTHALMOLOGY: NATIONAL RESIDENT REPORT (Main Table)**  
**Reporting Period: Total Experience of Residents Completing Programs in 2010-2011**  
**Residency Review Committee for Ophthalmology**  
**Report Date: September 27, 2011**

[PART 2 ]      Number of Programs in the Nation: 117      Number of Residents in the Nation: 470

		Surgeon						Assistant						TOTAL						
		Natl Res AVE	Natl Res STD	Natl Res MIN	Natl Res MED	Natl Res MAX	Min Req	Natl Res AVE	Natl Res STD	Natl Res MIN	Natl Res MED	Natl Res MAX	Min Req	Natl Res AVE	Natl Res STD	Natl Res MIN	Natl Res MED	Natl Res MAX	Min Req	
RRC Area	RRC Procedure																			
Glaucoma Lasers	Laser trabeculoplasty	10.2	11	0	7	78	.	0.7	3	0	0	47	.	10.8	11	0	8	78	.	
	Laser iridotomy	13.7	11	0	11	71	.	0.9	3	0	0	52	.	14.6	12	0	12	86	.	
	Cyclodestructive procedures (incl cryo)	2.0	3	0	1	24	.	0.4	1	0	0	8	.	2.4	3	0	1	25	.	
	Other glaucoma lasers (incl iridoplasty)	0.7	1	0	0	10	.	0.1	1	0	0	6	.	0.8	2	0	0	10	.	
	TOTAL - Glaucoma Lasers	26.5	18	2	22	127	9	2.1	7	0	0	102	.	28.7	19	2	24	147	.	
Retinal Vitreous	Rhegmatogenous retinal detachment repair	1.3	2	0	0	15	.	3.3	4	0	2	21	.	4.6	4	0	3	25	.	
	Posterior vitrectomy (Pars Plana)	5.4	8	0	3	64	.	18.5	16	0	14	118	.	23.8	19	0	19	174	.	
	TOTAL - Retinal Vitreous	6.7	9	0	4	67	.	21.7	17	0	18	125	.	28.4	20	0	23	184	10	
Retinal Lasers	Photocoagulation (laser)	64.6	62	0	42	472	.	3.6	9	0	1	116	.	68.3	64	0	47	474	.	
	Cryotherapy	0.9	3	0	0	34	.	0.4	1	0	0	10	.	1.3	3	0	0	43	.	
	TOTAL - Retinal Lasers	65.5	62	0	43	472	25	4.1	9	0	1	120	.	69.6	64	0	48	474	.	
Other Retinal	Vitreous tap/inject	45.7	47	0	30	330	.	3.6	16	0	1	292	.	49.3	52	0	33	504	.	
	Other retina	0.1	0	0	0	4	.	0.1	1	0	0	8	.	0.1	1	0	0	12	.	
	TOTAL - Other Retinal	45.8	47	0	30	330	.	3.7	16	0	1	292	.	49.5	52	0	33	504	.	

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		Natl Res AVE	Natl Res STD	Natl Res MIN	Natl Res MED	Natl Res MAX	Min Req	Natl Res AVE	Natl Res STD	Natl Res MIN	Natl Res MED	Natl Res MAX	Min Req	Natl Res AVE	Natl Res STD	Natl Res MIN	Natl Res MED	Natl Res MAX	Min Req
RRC Area	RRC Procedure																		
Oculoplastic and orbit	Eye removal and implant	3.1	3	0	3	13	.	1.7	2	0	1	11	.	4.8	3	0	4	16	.
	Lacrimal surgery	6.8	6	0	5	37	.	6.2	6	0	5	33	.	13.0	9	0	11	61	.
	Other orbital surgery (eg, orbitotomy)	1.9	3	0	1	20	.	5.0	5	0	3	36	.	6.9	6	0	5	39	.
	Eyelid laceration / canalicular repair	8.8	9	0	7	64	.	3.1	4	0	2	23	.	11.9	10	0	9	83	.
	Chalazia excision	7.7	6	0	7	54	.	1.2	2	0	0	26	.	9.0	7	0	8	54	.
	Tarsorrhaphy	2.1	2	0	1	12	.	0.8	1	0	0	10	.	2.9	3	0	2	20	.
	Ptosis repair	6.2	7	0	4	55	.	8.1	9	0	5	82	.	14.2	13	0	10	98	.
	Entropion / ectropion repair	5.2	5	0	4	29	.	4.5	5	0	3	33	.	9.7	7	0	8	41	.
	Blepharoplasty / reconstruction	9.9	10	0	7	69	.	8.5	11	0	5	80	.	18.4	17	0	14	142	.
	Temporal artery biopsy	1.8	2	0	1	21	.	0.7	1	0	0	11	.	2.5	3	0	2	22	.
	Other oculoplastic surgery	13.5	10	0	11	68	.	5.6	6	0	4	45	.	19.1	12	0	17	78	.
	TOTAL - Oculoplastic and orbit	67.0	34	6	60	206	28	45.5	39	0	36	239	.	112.5	58	10	100	417	.
Globe Trauma	Corneal/corneoscleral laceration, globe rup	7.2	5	0	6	35	.	1.6	2	0	1	15	.	8.8	6	0	8	44	.
	Intraocular foreign body	0.3	1	0	0	4	.	0.2	1	0	0	4	.	0.6	1	0	0	5	.
	Other globe trauma (eg, ant chamber washout)	2.6	4	0	1	41	.	2.1	5	0	0	54	.	4.6	7	0	2	60	.
	TOTAL - Globe Trauma	10.1	7	0	8	48	4	3.9	6	0	2	56	.	14.0	10	0	11	72	.
TOTAL OF ALL PROCS	TOTAL - All Procedures	450.7	156	27	429	1,051	.	209.6	129	0	193	850	.	660.3	210	27	636	1,334	364

# OPHTHALMOLOGY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)

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[PART 1 ]		Programs in the Nation: 117					Residents in the Nation: 470									
		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	94	119	139	167	218	9	35	57	86	160	130	171	206	251	335
	Non-phacoemulsification ECCE	0	1	3	5	8	0	1	2	3	7	1	3	5	7	13
	TOTAL - Cataract	97	122	143	169	223	10	37	61	89	164	134	178	212	257	342
Other Cataract	YAG capsulotomy	4	9	14	19	27	0	0	0	0	2	5	9	14	19	28
	Other cataract / IOL Surgery	0	1	2	4	7	0	1	2	4	7	1	3	5	8	12
	Anterior vitrectomy	0	0	2	4	7	0	0	0	1	4	0	1	2	5	10
	TOTAL - Other Cataract	8	14	19	26	35	0	2	3	6	11	11	18	24	31	43
Corneal Surgery	Penetrating keratoplasty	0	0	1	3	6	0	2	5	8	16	1	4	7	11	19
	Pterygium excision	0	2	3	6	15	0	0	1	2	4	1	3	5	8	17
	Other cornea	0	2	3	5	10	0	1	2	5	10	1	3	6	10	18
	TOTAL - Corneal Surgery	3	6	10	14	25	1	5	9	15	28	8	15	22	30	44
Keratorefractive Surgery	Keratorefractive Surgery	0	0	1	4	13	0	0	3	7	14	0	5	7	12	26
	TOTAL - Keratorefractive Surgery	0	0	1	4	13	0	0	3	7	14	0	5	7	12	26
Strabismus	Any muscle surgery	10	15	21	29	46	1	4	10	19	42	16	24	36	51	79
	Other strabismus	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1
	TOTAL - Strabismus	11	15	21	29	46	1	4	10	20	44	16	25	37	51	79
Glaucoma	Filtering procedures	1	2	4	6	10	0	1	4	6	14	2	5	8	12	22
	Shunting procedures	1	3	4	6	10	0	1	3	6	13	3	6	8	12	22
	Other glaucoma	0	0	1	2	5	0	0	1	2	5	0	1	3	5	9
	TOTAL - Glaucoma	5	8	10	14	20	1	5	9	16	29	9	16	22	29	45

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		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															
Glaucoma Lasers	Laser trabeculoplasty	1	4	7	11	22	0	0	0	0	1	1	5	8	12	23
	Laser iridotomy	3	7	11	16	29	0	0	0	0	2	4	7	12	17	30
	Cyclodestructive procedures (incl cryo)	0	0	1	2	5	0	0	0	0	1	0	0	1	3	6
	Other glaucoma lasers (incl iridoplasty)	0	0	0	1	2	0	0	0	0	0	0	0	0	1	3
	TOTAL - Glaucoma Lasers	10	16	22	32	46	0	0	0	1	5	11	17	24	34	51
Retinal Vitreous	Rhegmatogenous retinal detachment repair	0	0	0	1	4	0	1	2	4	8	0	2	3	6	11
	Posterior vitrectomy (Pars Plana)	0	1	3	5	12	5	10	14	22	37	8	14	19	27	45
	TOTAL - Retinal Vitreous	0	2	4	7	15	6	11	18	26	42	11	17	23	33	52
Retinal Lasers	Photocoagulation (laser)	17	28	42	71	146	0	0	1	3	8	18	32	47	77	151
	Cryotherapy	0	0	0	1	2	0	0	0	0	1	0	0	0	1	3
	TOTAL - Retinal Lasers	18	29	43	73	149	0	0	1	3	11	20	32	48	78	153
Other Retinal	Vitreous tap/inject	5	14	30	55	110	0	0	1	2	7	6	16	33	58	114
	Other retina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL - Other Retinal	5	15	30	55	110	0	0	1	2	7	6	17	33	58	114

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		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	3	4	7	0	0	1	2	4	1	3	4	6	10
	Lacrimal surgery	1	3	5	8	15	0	3	5	8	14	4	7	11	16	25
	Other orbital surgery (eg, orbitotomy)	0	0	1	2	5	0	2	3	6	12	1	3	5	8	15
	Eyelid laceration / canalicular repair	1	4	7	11	19	0	1	2	4	8	2	6	9	14	26
	Chalazia excision	2	4	7	9	14	0	0	0	1	4	3	5	8	11	17
	Tarsorrhaphy	0	1	1	3	5	0	0	0	1	2	0	1	2	4	7
	Ptosis repair	0	2	4	7	14	0	2	5	10	19	3	6	10	16	32
	Entropion / ectropion repair	0	2	4	6	12	0	1	3	5	11	2	5	8	12	19
	Blepharoplasty / reconstruction	1	4	7	12	22	0	2	5	9	24	4	8	14	22	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	26	0	2	4	7	14	6	12	17	24	34
	TOTAL - Oculoplastic and orbit	32	46	60	79	108	7	20	36	58	94	51	76	100	136	183
Globe Trauma	Corneal/corneoscleral laceration, globe rup	3	4	6	8	13	0	0	1	2	5	3	5	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	3	6	0	0	0	1	6	0	1	2	5	12
	TOTAL - Globe Trauma	4	6	8	12	18	0	1	2	4	9	5	9	11	15	26
TOTAL OF ALL PROCS	TOTAL - All Procedures	276	361	429	508	667	64	136	193	260	380	417	536	636	750	925