



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 MED" - The median value among procedure counts in the nation.
 - iv. "Natl Res MODE" - The most commonly occurring value among procedure counts in the nation.
 - v. "Natl Res MIN" - The minimum value among procedure counts in the nation.
 - vi. "Natl Res MAX" - The maximum value seen among procedure counts in the nation.
 - vii. "Natl Res SUM" - This statistics represents the sum of all 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 2009-2010
Residency Review Committee for Ophthalmology
Report Date: December 14, 2010

[PART 1]		Number of Programs in the Nation: 115																Number of Residents in the Nation: 447									
		Surgeon							Assistant							TOTAL											
		Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res SUM	Min Req	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res SUM	Min Req	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res SUM	Min Req					
RRC Area	RRC Procedure																										
Cataract	Phacoemulsification	143.8	50	135	0	415	64,287	.	70.0	60	57	0	402	31,306	.	213.9	79	195	59	582	95,593	.					
	Non-phacoemulsification ECCE	3.8	4	3	0	40	1,696	.	2.9	3	2	0	22	1,275	.	6.6	6	5	0	44	2,971	.					
	TOTAL - Cataract	147.6	51	139	0	415	65,983	86	72.9	61	61	0	404	32,581	.	220.5	79	203	60	585	98,564	.					
Other Cataract	YAG capsulotomy	14.0	10	12	0	63	6,269	.	0.6	2	0	0	19	253	.	14.6	10	12	0	64	6,522	.					
	Other cataract / IOL Surgery	2.8	3	2	0	19	1,271	.	4.0	11	2	0	174	1,796	.	6.9	11	5	0	177	3,067	.					
	Anterior vitrectomy	3.0	3	2	0	17	1,325	.	1.0	2	0	0	13	459	.	4.0	4	3	0	20	1,784	.					
	TOTAL - Other Cataract	19.8	12	17	0	69	8,865	0	5.6	12	3	0	174	2,508	.	25.4	17	21	1	195	11,373	.					
Corneal Surgery	Penetrating keratoplasty	2.3	3	1	0	19	1,018	.	5.8	6	4	0	48	2,575	.	8.0	7	6	0	48	3,593	.					
	Pterygium excision	5.7	7	3	0	39	2,538	.	1.4	2	1	0	16	638	.	7.1	7	4	0	40	3,176	.					
	Incisional keratorefractive surgery	0.8	2	0	0	14	345	.	0.7	2	0	0	27	301	.	1.4	3	0	0	30	646	.					
	Laser keratorefractive surgery	3.8	15	0	0	144	1,688	.	2.1	7	0	0	126	919	.	5.8	17	0	0	156	2,607	.					
	Other cornea	4.0	4	3	0	34	1,771	.	4.3	6	2	0	40	1,935	.	8.3	8	6	0	44	3,706	.					
	TOTAL - Corneal Surgery	16.5	19	12	0	153	7,360	3	14.2	14	10	0	131	6,368	.	30.7	24	25	0	191	13,728	.					
Strabismus	Any muscle surgery	24.8	17	20	0	119	11,067	.	15.6	19	10	0	119	6,952	.	40.3	27	33	0	171	18,019	.					
	Other strabismus	0.3	2	0	0	47	156	.	0.3	1	0	0	13	155	.	0.7	3	0	0	47	311	.					
	TOTAL - Strabismus	25.1	17	20	0	119	11,223	10	15.9	19	10	0	119	7,107	.	41.0	27	33	0	173	18,330	.					
Glaucoma	Filtering procedures	6.0	5	5	0	37	2,695	.	5.8	7	4	0	47	2,594	.	11.8	9	9	0	55	5,289	.					
	Shunting procedures	4.5	4	3	0	28	1,993	.	4.5	5	3	0	31	2,031	.	9.0	7	8	0	38	4,024	.					
	Other glaucoma	1.9	3	1	0	22	863	.	1.7	3	1	0	24	774	.	3.7	5	2	0	31	1,637	.					
	TOTAL - Glaucoma	12.4	7	11	0	41	5,551	5	12.1	11	9	0	54	5,399	.	24.5	14	22	2	77	10,950	.					

OPHTHALMOLOGY: NATIONAL RESIDENT REPORT (Main Table)
Reporting Period: Total Experience of Residents Completing Programs in 2009-2010
Residency Review Committee for Ophthalmology
Report Date: December 14, 2010

[PART 2]		Number of Programs in the Nation: 115 Number of Residents in the Nation: 447																					
		Surgeon							Assistant							TOTAL							
		Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res SUM	Min Req	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res SUM	Min Req	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res SUM	Min Req	
RRC Area	RRC Procedure																						
Glaucoma Lasers	Laser trabeculoplasty	10.0	10	7	0	78	4,482	.	0.6	2	0	0	18	280	.	10.7	10	8	0	78	4,762	.	
	Laser iridotomy	13.4	12	10	0	78	5,976	.	0.8	3	0	0	39	337	.	14.1	12	11	0	79	6,313	.	
	Cyclodestructive procedures (incl cryo)	1.9	3	1	0	22	844	.	0.4	1	0	0	10	187	.	2.3	3	1	0	23	1,031	.	
	Other glaucoma lasers (incl iridoplasty)	0.8	2	0	0	17	379	.	0.1	1	0	0	6	52	.	1.0	2	0	0	17	431	.	
	TOTAL - Glaucoma Lasers	26.1	18	21	0	155	11,681	9	1.9	5	0	0	64	856	.	28.0	19	23	1	155	12,537	.	
Retinal Vitreous	Rhegmatogenous retinal detachment repair	1.2	2	0	0	14	518	.	2.6	3	2	0	27	1,184	.	3.8	4	3	0	31	1,702	.	
	Posterior vitrectomy (Pars Plana)	5.1	7	3	0	64	2,265	.	18.9	18	14	0	144	8,458	.	24.0	21	19	0	154	10,723	.	
	TOTAL - Retinal Vitreous	6.2	8	4	0	67	2,783	1	21.6	20	16	0	149	9,642	.	27.8	23	22	0	160	12,425	.	
Other Retinal	Photocoagulation (laser)	59.6	53	43	0	303	26,641	.	4.2	17	1	0	243	1,880	.	63.8	58	46	0	424	28,521	.	
	Cryotherapy	0.9	3	0	0	38	380	.	0.5	1	0	0	13	203	.	1.3	4	0	0	42	583	.	
	Vitreous tap/inject	31.3	31	21	0	203	13,987	.	2.8	7	1	0	70	1,256	.	34.1	33	24	0	216	15,243	.	
	TOTAL - Other Retinal	91.7	67	76	0	388	41,008	25	7.5	21	2	0	269	3,339	.	99.2	73	82	3	502	44,347	.	

OPHTHALMOLOGY: NATIONAL RESIDENT REPORT (Main Table)
Reporting Period: Total Experience of Residents Completing Programs in 2009-2010
Residency Review Committee for Ophthalmology
Report Date: December 14, 2010

[PART 3]		Number of Programs in the Nation: 115 Number of Residents in the Nation: 447																				
		Surgeon							Assistant							TOTAL						
		Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res SUM	Min Req	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res SUM	Min Req	Natl Res AVE	Natl Res STD	Natl Res MED	Natl Res MIN	Natl Res MAX	Natl Res SUM	Min Req
RRC Area	RRC Procedure																					
Oculoplastic and	Eye removal and implant	3.2	3	3	0	27	1,452	.	1.7	2	1	0	10	772	.	5.0	4	4	0	34	2,224	.
	Lacrimal surgery	7.6	7	6	0	38	3,400	.	6.5	6	5	0	38	2,925	.	14.1	10	12	0	52	6,325	.
	Other orbital surgery (eg, orbitotomy)	2.2	3	1	0	25	984	.	5.5	6	3	0	35	2,464	.	7.7	8	6	0	48	3,448	.
	Eyelid laceration / canalicular repair	8.9	8	7	0	51	3,957	.	3.3	5	2	0	39	1,481	.	12.2	10	10	0	64	5,438	.
	Chalazia excision	7.1	6	6	0	33	3,194	.	1.2	2	0	0	22	515	.	8.3	7	7	0	37	3,709	.
	Tarsorrhaphy	2.1	3	1	0	38	953	.	0.7	1	0	0	11	296	.	2.8	3	2	0	40	1,249	.
	Ptosis repair	6.1	6	4	0	66	2,733	.	8.1	9	5	0	60	3,638	.	14.3	12	11	0	80	6,371	.
	Entropion / ectropion repair	5.1	5	4	0	36	2,293	.	4.6	5	3	0	29	2,077	.	9.8	7	8	0	42	4,370	.
	Blepharoplasty / reconstruction	9.1	10	7	0	89	4,088	.	8.6	10	6	0	63	3,852	.	17.8	15	14	0	103	7,940	.
	Temporal artery biopsy	1.8	2	1	0	14	824	.	0.7	1	0	0	12	305	.	2.5	3	2	0	16	1,129	.
	Other oculoplastic surgery	12.4	10	10	0	63	5,524	.	5.9	8	4	0	66	2,658	.	18.3	14	16	0	97	8,182	.
	TOTAL - Oculoplastic and orbit	65.8	36	60	0	316	29,402	28	46.9	42	35	0	275	20,983	.	112.7	64	100	19	412	50,385	.
Globe Trauma	Corneal/corneoscleral laceration, globe	7.2	5	6	0	33	3,217	.	1.6	2	1	0	15	734	.	8.8	6	7	0	37	3,951	.
	Intraocular foreign body	0.4	1	0	0	4	171	.	0.3	1	0	0	4	140	.	0.7	1	0	0	6	311	.
	Other globe trauma (eg, ant chamber)	2.6	4	1	0	39	1,160	.	2.1	5	0	0	55	923	.	4.7	8	2	0	68	2,083	.
	TOTAL - Globe Trauma	10.2	7	8	0	59	4,548	4	4.0	6	2	0	60	1,797	.	14.2	11	11	0	99	6,345	.
TOTAL OF ALL	TOTAL - All Procedures	421.5	142	412	0	1,012	188,404	.	202.6	130	183	0	835	90,580	.	624.1	199	605	162	1,409	278,984	364

OPHTHALMOLOGY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)

Reporting Period: Total Experience of Residents Completing Programs in 2009-2010

Residency Review Committee for Ophthalmology

Report Date: December 14, 2010

[PART 1]		Programs in the Nation: 115						Residents in the Nation: 447											
		Surgeon						Assistant						TOTAL					
		Resident Percentiles						Resident Percentiles						Resident Percentiles					
		10	20	30	50	70	90	10	20	30	50	70	90	10	20	30	50	70	90
RRC Area	RRC Procedure																		
Cataract	Phacoemulsification	90	103	113	135	160	211	7	21	34	57	81	146	134	155	173	195	231	327
	Non-phacoemulsification ECCE	0	1	1	3	5	8	0	0	1	2	3	7	1	2	3	5	8	13
	TOTAL - Cataract	92	108	118	139	166	213	9	24	37	61	86	150	138	162	178	203	238	330
Other Cataract	YAG capsulotomy	3	6	8	12	17	28	0	0	0	0	0	2	3	6	8	12	18	28
	Other cataract / IOL Surgery	0	1	1	2	4	7	0	0	0	2	4	9	1	2	3	5	7	12
	Anterior vitrectomy	0	0	0	2	4	8	0	0	0	0	1	3	0	0	1	3	5	10
	TOTAL - Other Cataract	7	10	13	17	24	37	0	0	1	3	6	13	9	13	16	21	30	46
Corneal Surgery	Penetrating keratoplasty	0	0	0	1	3	5	0	1	2	4	7	14	1	2	4	6	10	17
	Pterygium excision	0	1	2	3	6	15	0	0	0	1	2	4	1	2	3	4	8	18
	Incisional keratorefractive surgery	0	0	0	0	0	2	0	0	0	0	0	2	0	0	0	0	1	4
	Laser keratorefractive surgery	0	0	0	0	0	5	0	0	0	0	0	7	0	0	0	0	3	11
	Other cornea	0	1	2	3	5	9	0	0	1	2	5	11	1	3	4	6	10	18
	TOTAL - Corneal Surgery	4	5	8	12	17	31	2	4	6	10	18	29	10	14	17	25	34	58
Strabismus	Any muscle surgery	10	11	14	20	28	48	0	2	4	10	18	39	15	20	24	33	46	74
	Other strabismus	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	2
	TOTAL - Strabismus	10	12	14	20	28	48	0	2	4	10	18	39	15	20	24	33	47	74
Glaucoma	Filtering procedures	1	2	3	5	7	12	0	1	2	4	7	13	3	5	6	9	14	24
	Shunting procedures	0	1	2	3	6	10	0	0	1	3	6	11	2	3	5	8	11	18
	Other glaucoma	0	0	0	1	2	5	0	0	0	1	2	5	0	0	1	2	4	9
	TOTAL - Glaucoma	5	6	8	11	14	22	1	3	4	9	16	27	9	13	15	22	29	43

OPHTHALMOLOGY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)

Reporting Period: Total Experience of Residents Completing Programs in 2009-2010

Residency Review Committee for Ophthalmology

Report Date: December 14, 2010

[PART 2]		Programs in the Nation: 115							Residents in the Nation: 447													
		Surgeon							Assistant							TOTAL						
		Resident Percentiles							Resident Percentiles							Resident Percentiles						
		10	20	30	50	70	90	10	20	30	50	70	90	10	20	30	50	70	90			
RRC Area	RRC Procedure																					
Glaucoma Lasers	Laser trabeculoplasty	1	2	4	7	12	23	0	0	0	0	0	2	1	3	4	8	12	23			
	Laser iridotomy	3	5	7	10	15	26	0	0	0	0	0	2	4	5	7	11	16	28			
	Cyclodestructive procedures (incl cryo)	0	0	0	1	2	5	0	0	0	0	0	1	0	0	0	1	3	6			
	Other glaucoma lasers (incl iridoplasty)	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	1	3			
	TOTAL - Glaucoma Lasers	9	13	16	21	30	49	0	0	0	0	2	5	11	15	18	23	31	51			
Retinal Vitreous	Rhegmatogenous retinal detachment repair	0	0	0	0	1	4	0	0	1	2	3	7	0	1	1	3	5	9			
	Posterior vitrectomy (Pars Plana)	0	1	1	3	5	12	1	5	7	14	24	42	5	8	11	19	28	48			
	TOTAL - Retinal Vitreous	1	1	2	4	7	14	2	6	9	16	27	48	6	10	13	22	33	53			
Other Retinal	Photocoagulation (laser)	14	21	27	43	68	129	0	0	0	1	2	9	15	23	30	46	73	133			
	Cryotherapy	0	0	0	0	0	2	0	0	0	0	0	2	0	0	0	0	1	3			
	Vitreous tap/inject	3	8	12	21	38	74	0	0	0	1	2	8	4	9	13	24	42	79			
	TOTAL - Other Retinal	28	36	46	76	108	184	0	0	1	2	6	17	31	41	52	82	113	197			

OPHTHALMOLOGY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)

Reporting Period: Total Experience of Residents Completing Programs in 2009-2010

Residency Review Committee for Ophthalmology

Report Date: December 14, 2010

[PART 3]		Programs in the Nation: 115 Residents in the Nation: 447																	
		Surgeon						Assistant						TOTAL					
		Resident Percentiles						Resident Percentiles						Resident Percentiles					
		10	20	30	50	70	90	10	20	30	50	70	90	10	20	30	50	70	90
RRC Area	RRC Procedure																		
Oculoplastic and orbit	Eye removal and implant	0	1	2	3	4	7	0	0	0	1	2	4	1	2	3	4	6	10
	Lacrimal surgery	1	2	4	6	9	16	0	1	2	5	8	16	3	6	7	12	17	28
	Other orbital surgery (eg, orbitotomy)	0	0	0	1	3	6	0	0	1	3	7	14	1	2	3	6	9	16
	Eyelid laceration / canalicular repair	1	3	4	7	11	19	0	0	0	2	4	9	2	4	6	10	15	27
	Chalazia excision	1	2	3	6	9	15	0	0	0	0	1	3	2	3	4	7	10	18
	Tarsorrhaphy	0	0	1	1	2	6	0	0	0	0	1	2	0	1	1	2	3	7
	Ptosis repair	1	1	2	4	7	14	0	1	2	5	10	19	3	5	7	11	17	29
	Entropion / ectropion repair	1	2	2	4	6	11	0	1	1	3	6	12	2	4	5	8	11	19
	Blepharoplasty / reconstruction	1	2	4	7	10	19	0	1	2	6	10	21	3	6	9	14	21	39
	Temporal artery biopsy	0	0	0	1	2	5	0	0	0	0	1	2	0	0	1	2	3	6
	Other oculoplastic surgery	2	4	6	10	16	26	0	1	1	4	7	15	4	7	9	16	22	37
	TOTAL - Oculoplastic and orbit	29	37	44	60	79	108	5	12	19	35	58	105	47	59	74	100	131	195
Globe Trauma	Corneal/corneoscleral laceration, globe rup	2	4	4	6	8	13	0	0	0	1	2	4	3	4	6	7	10	16
	Intraocular foreign body	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	1	2
	Other globe trauma (eg, ant chamber washout)	0	0	0	1	3	6	0	0	0	0	1	6	0	0	1	2	5	12
	TOTAL - Globe Trauma	4	5	6	8	11	18	0	0	1	2	4	9	5	7	8	11	16	26
TOTAL OF ALL PROCS	TOTAL - All Procedures	262	303	332	412	477	600	63	99	126	183	239	377	404	454	506	605	697	898