

# Fiscal Year 2010 Annual Review of Glaucoma Medications

Oklahoma HealthCare Authority

April 2011

## Current Prior Authorization Criteria

1. FDA approved diagnosis.
2. Member must attempt at least one Tier-1 trial of a minimum of 4 weeks duration within the last 90 days. Tier 1 trial may be from any pharmacologic class.
3. Approval may be granted if there is a documented adverse effect, drug interaction, or contraindication to Tier 1 products.
4. Approval may be granted if there is a unique FDA approved indication not covered by Tier 1 products.
5. Member must have had a comprehensive dilated eye exam within the last 365 day period as recommended by the National Institute of Health.
6. Approval duration will be for 1 year.

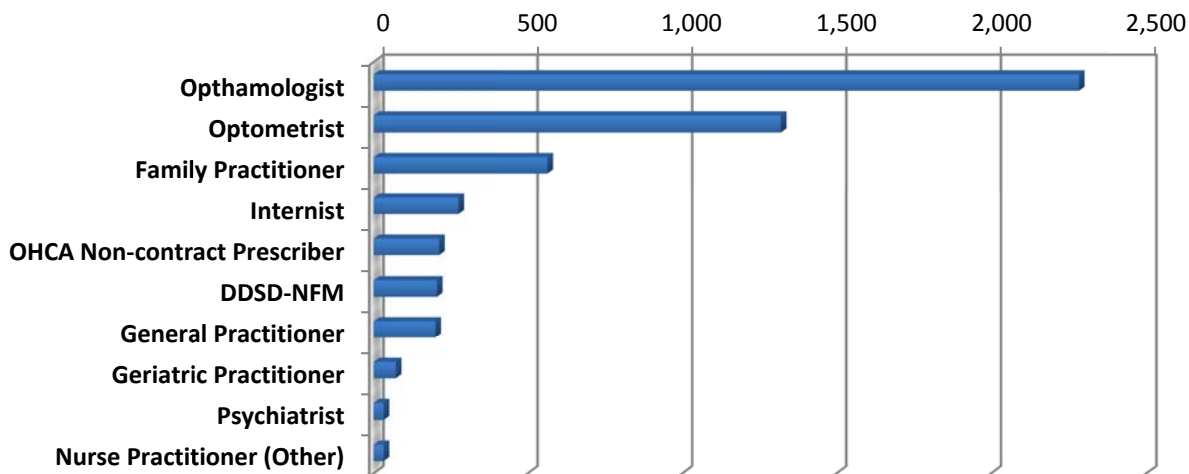
Tier-1	Tier-2
<b>Beta-Blockers</b>	
betaxolol (Betoptic® 0.5%)	betaxolol (Betoptic-S®)
carteolol (Ocupress®)	brimonidine/timolol (Combigan®)
dorzolamide/timolol (Cosopt®)	timolol maleate (Timoptic® 0.5% dropperette)
levobunolol (Betagan®)	
metipranolol (OptiPranolol®)	
timolol maleate (Betimol®, Istalol®, Timoptic®, Timoptic Ocadose®, Timoptic-XE®)	
<b>Prostaglandin Analogs</b>	
travoprost (Travatan®, Travatan-Z®)	bimatoprost (Lumigan®)
	latanoprost (Xalatan®)
<b>Adrenergic Agonists</b>	
dipivefrin (Propine®)	
<b>Alpha-2 Adrenergic Agonists</b>	
brimonidine 0.2%	brimonidine (Alphagan-P® 0.1%, 0.15%)
	apraclonidine (Iopidine® 1%)
<b>Carbonic Anhydrase Inhibitors</b>	
dorzolamide/timolol (Cosopt®)	brinzolamide (Azopt®)
acetazolamide (Diamox®)*	dorzolamide (Trusopt®)
dichlorphenamide (Daranide®)*	
methazolamide (Neptazane®)*	
* (Indicates Available Oral Products)	
<b>Cholinergic Agonists/Cholinesterase Inhibitors</b>	
pilocarpine (Isopto Carpine®, Pilopine HS®, 0.5%, 1%, 2%, 4%, 6%)	carbachol (Isopto®, Miostat® 1.5%, 3%)
	*echothiophate iodide (Phospholine Iodide®)

## Utilization of Glaucoma Medications

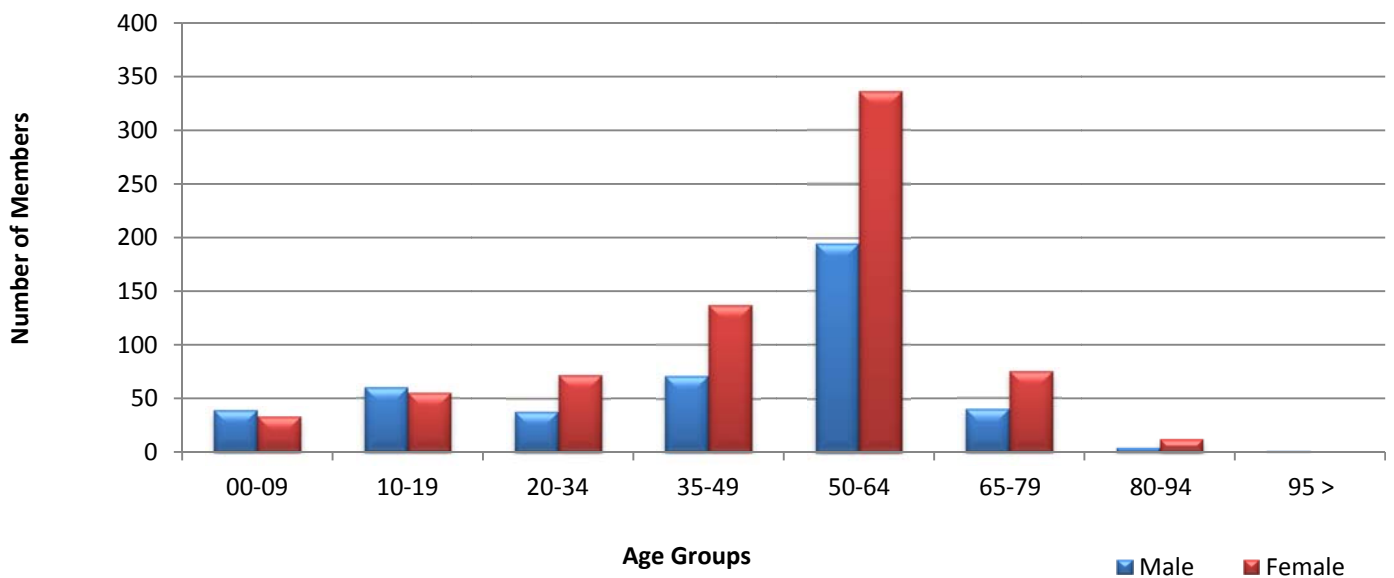
### Utilization Comparison between Fiscal Year 2009 and 2010

Fiscal Year	Total Members	Total Claims	Total Paid	Paid/Claim	Per-Diem	Total Units	Total Days
2009	1,065	5,522	\$473,979.96	\$85.83	\$2.98	69,258	159,319
2010	1,168	5,915	\$488,885.33	\$82.65	\$2.83	70,153	172,733
% Change	9.70%	7.10%	3.10%	-3.70%	-5.00%	1.30%	8.40%
Change	103	393	\$14,905.37	-\$3.18	-\$0.15	895	13,418

### Top Prescribers of Glaucoma Medications: FY 2010



### Demographics of Members Utilizing Glaucoma Medications: FY 2010



## **Prior Authorization**

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There were a total of 243 petitions submitted for this PBPA category during fiscal year 2010. Computer edits are in place to look for Tier 1 medications and generate automated prior authorizations where possible. The following chart shows the status of the submitted petitions:

### **Status of Petitions**

## **Recommendations**

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The College of Pharmacy does not recommend any changes to this category at this time.

## Utilization Details of Glaucoma Medications for Fiscal Year 2010

GENERIC NAME	BRAND NAME	CLAIMS	DAYS	MEMBERS	COST	CLAIMS/ MEMBER	COST/ DAY	% COST
Travoprost	TRAVATAN Z DRO 0.004%	1,036	29,184	318	\$105,947.53	3.26	\$3.63	21.67%
Latanoprost	XALATAN SOL 0.005%	949	29,608	227	\$85,555.17	4.18	\$2.89	17.50%
Dorzolamide -Timolol	DORZOL/TIMOL SOL 2-0.5%OP	534	16,087	151	\$37,826.83	3.54	\$2.35	7.74%
Bimatoprost	LUMIGAN SOL 0.03%	498	15,455	115	\$59,784.02	4.33	\$3.87	12.23%
Travoprost	TRAVATAN DRO 0.004%	470	12,076	137	\$47,099.11	3.43	\$3.90	9.63%
Brimonidine	BRIMONIDINE SOL 0.2% OP	322	9,213	124	\$5,012.63	2.6	\$0.54	1.03%
Timolol Maleate	TIMOLOL MAL SOL 0.5% OP	283	9,223	118	\$1,761.47	2.4	\$0.19	0.36%
Brimonidine -Timolol	COMBIGAN SOL 0.2/0.5%	261	6,042	59	\$22,567.44	4.42	\$3.74	4.62%
Brimonidine Tartrate	ALPHAGAN P SOL 0.15%	215	6,087	65	\$27,291.22	3.31	\$4.48	5.58%
Brinzolamide	AZOPT SUS 1% OP	165	5,620	47	\$16,402.77	3.51	\$2.92	3.36%
Brimonidine Tartrate	ALPHAGAN P SOL 0.1%	143	3,882	50	\$14,163.49	2.86	\$3.65	2.90%
Dorzolamide HCl	DORZOLAMIDE SOL 2% OP	109	3,344	34	\$4,524.74	3.21	\$1.35	0.93%
Timolol Maleate	TIMOLOL GEL SOL 0.5% OP	103	3,178	24	\$3,866.25	4.29	\$1.22	0.79%
Brimonidine Tartrate	BRIMONIDINE SOL 0.15%	73	1,842	29	\$6,791.89	2.52	\$3.69	1.39%
Timolol Maleate	TIMOLOL MAL SOL 0.25% OP	61	1,812	22	\$388.12	2.77	\$0.21	0.08%
Levobunolol HCl	LEVOBUNOLOL SOL 0.5% OP	21	509	9	\$286.95	2.33	\$0.56	0.06%
Pilocarpine HCl	PILOCARPINE SOL 4% OP	11	320	3	\$158.26	3.67	\$0.49	0.03%
Dorzolamide HCl	TRUSOPT SOL 2% OP	10	300	4	\$827.24	2.5	\$2.76	0.17%
Timolol Maleate	ISTALOL SOL 0.5% OP	8	230	2	\$884.14	4	\$3.84	0.18%
Echothiophate Iodide	PHOSPHOLINE SOL 0.125%OP	7	190	6	\$513.58	1.17	\$2.70	0.11%
Dorzolamide -Timolol	COSOPT SOL 2-0.5%OP	6	210	2	\$880.18	3	\$4.19	0.18%
Betaxolol HCl	BETAXOLOL SOL 0.5% OP	5	140	2	\$294.20	2.5	\$2.10	0.06%
Timolol	BETIMOL SOL 0.5%	5	279	2	\$430.84	2.5	\$1.54	0.09%
Pilocarpine HCl	PILOCARPINE SOL 1% OP	5	100	3	\$31.86	1.67	\$0.32	0.01%
Timolol Maleate	TIMOLOL GEL SOL 0.25% OP	4	175	3	\$139.17	1.33	\$0.80	0.03%
Pilocarpine HCl	PILOCARPINE SOL 2% OP	3	55	2	\$20.01	1.5	\$0.36	0.00%
Dipivefrin HCl	DIPIVEFRIN SOL 0.1% OP	2	14	1	\$17.00	2	\$1.21	0.00%
Levobunolol HCl	LEVOBUNOLOL SOL 0.25% OP	1	10	1	\$16.90	1	\$1.69	0.00%
Pilocarpine HCl	PILOPINE HS GEL 4% OP	1	10	1	\$55.34	1	\$5.53	0.01%
Betaxolol HCl	BETOPTIC-S SUS 0.25% OP	29	781	13	\$3,285.50	2.23	\$4.21	0.12%
Acetazolamide	ACETAZOLAMID TAB 125MG	26	1,050	7	\$600.97	3.71	\$0.57	1.72%
Acetazolamide	ACETAZOLAMID TAB 250MG	326	9,489	106	\$8,401.32	3.08	\$0.89	4.79%
Acetazolamide	ACETAZOLAMID CAP 500MG	114	3,227	40	\$23,423.66	2.85	\$7.26	1.74%
Acetazolamide	DIAMOX SEQUE CAP 500MG CR	39	1,105	13	\$8,513.54	3	\$7.70	0.07%
Methazolamide	METHAZOLAMID TAB 25MG	34	794	10	\$347.90	3.4	\$0.44	0.12%
Methazolamide	METHAZOLAMID TAB 50MG	36	1,092	6	\$774.09	6	\$0.71	0.67%
<b>TOTAL</b>		<b>5,915</b>	<b>172,733</b>	<b>*1,168</b>	<b>\$488,885.33</b>	<b>5.06</b>	<b>\$2.83</b>	<b>100%</b>

\*Total number of unduplicated members