

Fiscal Year 2010 Annual Review of Ophthalmic Antibiotics

Oklahoma HealthCare Authority

April 2011

Prior Authorization Criteria

Ophthalmic Antibiotics: Liquids		
Tier 1	Tier 2	Tier 3
Gentak (Gentamicin)	Ciloxan Solution (Ciprofloxacin)	Vigamox (Moxifloxacin)
AK-Tob (Tobramycin)	Ocuflox (Ofloxacin)	Azasisite (Azithromycin)
Bleph-10, Na Sulamyd (Na Sulfacetamide)		Besivance (besifloxacin HCL)
Polytrim (PolymyxinB/Trimethoprim)		Iquix (Levofloxacin)
AK-Spore (Neo/PolyB/Gramacidin)		Quixin (Levofloxacin)
		Zymar (Gatifloxacin)
		Zymaxid (Gatifloxacin)

Ophthalmic Antibiotics: Ointments	
Tier 1	Tier 2
AK-Tracin (Bacitracin)	Ciloxan Ointment (Ciprofloxacin)
AK-Poly-Bac (Bacitracin/PolymyxinB)	
Tobrex (Tobramycin)	
Neosporin (Neomycin/Polymyxin B/Bacitracin)	
A/T/S, Ilotycin, Roymicin (Erythromycin)	
Gentak (Gentamicin)	
Bleph-10, Sodium Sulamyd (Sodium Sulfacetamide)	

Criteria for a Tier 2 medication:

1. Approved indication/suspected infection by organism not known to be covered by Tier 1 products, or failure of a Tier 1 product.
2. Known contraindication to all indicated Tier 1 medication.
3. Prescription written by optometrists/ophthalmologists, or
4. When used for pre/post-operative prophylaxis.

Criteria for a Tier 3 medication:

1. Approved indication/suspected infection by organism not known to be covered by Tier 2 products, or failure of a Tier 2 product.
2. Known contraindication to all indicated Tier 2 medication.
3. Prescription written by optometrists/ophthalmologists, or
4. When used for pre/post-operative prophylaxis.

Ophthalmic Antibiotic–Steroid Combination Products	
Tier 1	Tier 2
	Tobradex (Tobramycin/Dexamethasone) Susp & Oint
	Zylet (Tobramycin/Loteprednol) Suspension
	Blephamide (Sulf/Prednisolone) Susp & Oint
	Pred-G (Gentamicin/Prednisolone) Susp & Oint
	Poly-Pred (Neo/Poly/Prednisolone) Susp
	Cortisporin (Neo/Poly/Hydrocortisone) Susp
	Maxitrol (Neo/Poly/Dexamethasone) Susp & Oint
	Bac/Poly/Neo/Hydrocortisone Ointment
	Neo/Poly/Bac/Hydrocortisone Ointment

Approval Criteria for Antibiotic/Steroid Combination Products:

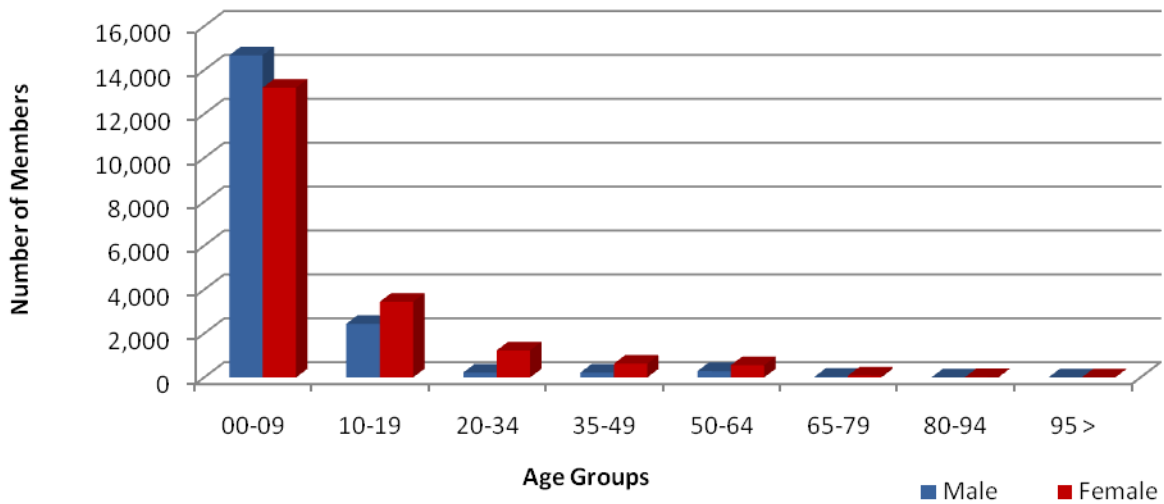
1. Prescription written by optometrists/ophthalmologists, or
2. When used for pre/post-operative prophylaxis

Utilization of Ophthalmic Antibiotics

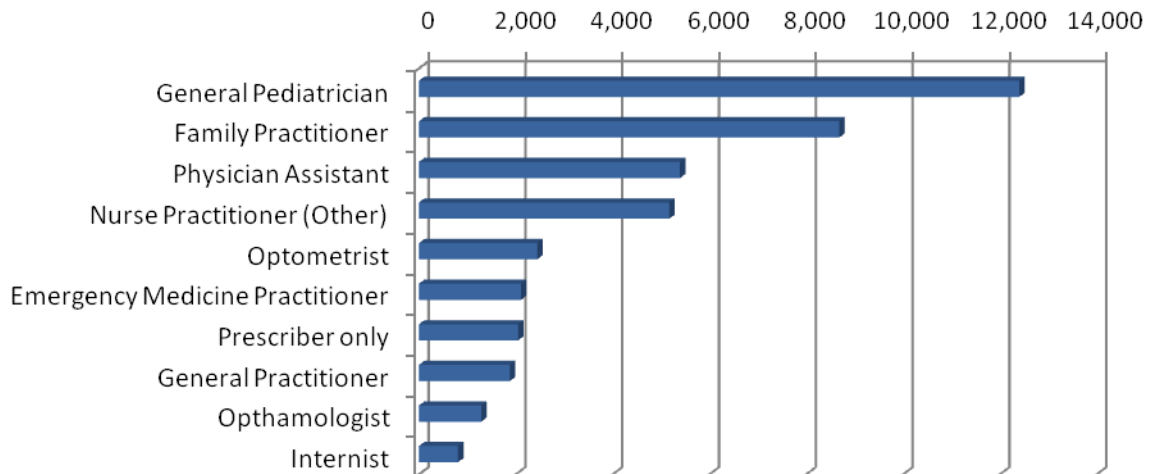
Comparison of Fiscal Years

Fiscal Year	Members	Claims	Cost	Cost/Claim	Perdiem	Units	Days
2009	34,468	41,240	\$1,126,435.53	\$27.31	\$2.66	241,920	423,994
2010	38,263	45,524	\$1,180,546.22	\$25.93	\$2.47	284,905	478,427
%Change	11.9%	11.2%	6.8%	-4.0%	-6.0%	19.1%	13.8%
Change	4,020	4,498	\$74,373.38	-\$1.10	-\$0.16	45,112	56,859

Demographics of Members Utilizing Ophthalmic Antibiotics: FY 2010



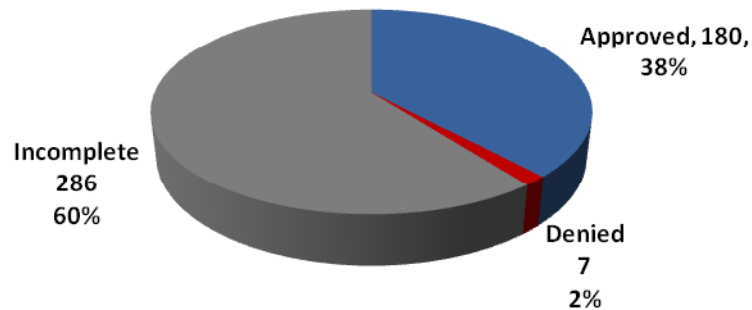
Prescribers of Ophthalmic Antibiotics by Number of Claims: FY 2010



Prior Authorization of Ocular Antibiotics

There were a total of 473 petitions submitted for this PBPA category during fiscal year 2010. Please note that for this PBPA category the system will automatically search Tier 1 medications in member's claims history within specified timeframe and if detected, the member can automatically get the Tier 2 medication without submitting a prior authorization form. The following chart shows the status of the submitted petitions.

Status of Petitions for Ocular Antibiotics: FY 2010



Market News and Updates

Anticipated Patent Expirations:

- **Azasite®**- March 2019
- **Zymar®**- February 2020
- **Zymaxid®**- February 2020
- **Vigamox®**- March 2020
- **Besivance®**- June 2021

Levofloxacin 0.5% ophthalmic solution- first-time generic approved February 2011, entered the market March 2011. Cost is approximately \$65/5 mL bottle, which is comparable at this time to brand-name Iquix® and Quixin®.

Conclusion and Recommendations

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

Utilization Details of Ophthalmic Antibiotics: Fiscal Year 2010

BRAND NAME	CLAIMS	UNITS	DAYS	MEMBERS	COST	UNITS/ DAY	CLAIMS/ MEMBER	PER DIEM	PERCENT COST
AZASITE SOL 1%	757	2,013	8,641	660	\$59,223.55	0.23	1.15	\$6.85	5.05%
BACITRACIN OIN OP	280	1,028	2,408	256	\$10,470.53	0.43	1.09	\$4.35	0.89%
BESIVANCE SUS 0.6%	3	15	35	3	\$218.79	0.43	1	\$6.25	0.02%
CIPROFLOXACN SOL 0.3% OP	2,111	10,743	21,023	1,986	\$30,799.09	0.51	1.06	\$1.47	2.62%
CILOXAN OIN 0.3% OP	161	809	1,440	134	\$17,380.32	0.56	1.2	\$12.07	1.48%
ERYTHROMYCIN OIN OP	5,962	21,510	46,924	5,476	\$89,979.09	0.46	1.09	\$1.92	7.67%
ZYMAR DRO 0.3%	384	1,935	5,490	336	\$28,143.63	0.35	1.14	\$5.13	2.40%
GENTAMICIN SOL 0.3% OP	5,990	32,958	59,050	5,518	\$39,068.16	0.56	1.09	\$0.66	3.33%
GENTAK SOL 0.3% OP	107	545	1,601	98	\$737.94	0.34	1.09	\$0.46	0.06%
GENTAK OIN 0.3% OP	1,016	3,576	8,077	983	\$16,246.87	0.44	1.03	\$2.01	1.38%
GENTAMICIN OIN 0.3% OP	15	53	107	15	\$227.20	0.49	1	\$2.12	0.02%
QUIXIN SOL 0.5%	49	243	452	48	\$3,437.21	0.54	1.02	\$7.60	0.29%
IQUIX SOL 1.5%	3	15	29	3	\$210.87	0.52	1	\$7.27	0.02%
VIGAMOX DRO 0.5%	8,177	24,657	86,570	7,432	\$587,623.33	0.28	1.1	\$6.79	50.06%
OFLOXACIN DRO 0.3% OP	1,021	6,560	10,228	964	\$10,633.07	0.64	1.06	\$1.04	0.91%
TOBRAMYCIN SOL 0.3% OP	4,376	22,808	43,905	4,044	\$27,401.69	0.52	1.08	\$0.62	2.33%
AK-TOB SOL 0.3% OP	11	60	106	11	\$76.60	0.57	1	\$0.72	0.01%
TOBREX OIN 0.3% OP	361	1,269	2,820	342	\$24,929.78	0.45	1.06	\$8.84	2.12%
SOD SULFACET SOL 10% OP	3,264	48,746	51,385	3,155	\$18,470.07	0.95	1.03	\$0.36	1.57%
SULFACET SOD SOL 10% OP	1,560	23,382	15,633	1,521	\$10,175.25	1.5	1.03	\$0.65	0.87%
BLEPH-10 SOL 10% OP	230	1,185	1,739	226	\$1,124.80	0.68	1.02	\$0.65	0.10%
SULFACET SOD OIN 10% OP	8	28	47	8	\$44.54	0.6	1	\$0.95	0.00%
TRIFLURIDINE SOL 1% OP	81	608	1,307	68	\$7,949.93	0.46	1.19	\$6.08	0.68%
VIROPTIC SOL 1% OP	1	8	7	1	\$125.11	1.07	1	\$17.87	0.01%
NATACYN SUS 5% OP	2	30	22	2	\$371.20	1.36	1	\$16.87	0.03%
BACIT/POLYMY OIN OP	476	1,671	3,993	438	\$5,939.63	0.42	1.09	\$1.49	0.51%
AK-POLY-BAC OIN OP	86	300	720	80	\$1,040.98	0.42	1.08	\$1.45	0.09%
POLYMYXIN B/ SOL TRIMETHP	3,537	35,442	46,110	3,376	\$36,450.92	0.77	1.05	\$0.79	3.11%
TRIMETHOPRIM SOL POLYMYXN	2,115	21,457	22,286	2,017	\$27,241.65	0.96	1.05	\$1.22	2.32%
NEO/BAC/POLY OIN OP	166	581	1,439	154	\$4,093.34	0.4	1.08	\$2.84	0.35%
BAC/NEO/POLY OIN OP	38	134	322	38	\$265.16	0.41	1	\$0.82	0.02%
NEO/POLY/GRA SOL OP	1,100	10,919	12,160	1,055	\$24,012.30	0.9	1.04	\$1.97	2.05%
NEOSPORIN SOL OP	2	20	17	2	\$47.08	1.18	1	\$2.77	0.00%
NON-STEROID PRODUCT SUBTOTALS:	43,450	275,308	45,6093	40450	\$1,084,159.68	0.6	1.07	\$2.38	
PRED-G SUS OP	9	45	57	9	\$270.82	0.79	1	\$4.75	0.02%
ZYLET SUS 0.5-0.3%	112	545	1,288	106	\$10,497.60	0.42	1.06	\$8.15	0.89%
BLEPHAMIDE SUS OP	19	100	303	17	\$1,155.78	0.33	1.12	\$3.81	0.10%
SULF/PRED NA SOL OP	4	25	41	4	\$65.45	0.61	1	\$1.60	0.01%
BLEPHAMIDE OIN S.O.P.	6	21	52	6	\$346.03	0.4	1	\$6.65	0.03%

BRAND NAME	CLAIMS	UNITS	DAYS	MEMBERS	COST	UNITS/ DAY	CLAIMS/ MEMBER	PER DIEM	PERCENT COST
TOBRAMYCIN/ SUS DEXAMETH	764	3,859	8,588	726	\$56,785.10	0.45	1.05	\$6.61	4.84%
TOBRADEX SUS OP	50	245	482	50	\$3,907.16	0.51	1	\$8.11	0.33%
TOBRADEX OIN OP	164	578	1,508	136	\$16,694.57	0.38	1.21	\$11.07	1.42%
STEROID PRODUCT SUBTOTALS:	1,128	5,418	12,319	1,054	\$89,722.51	0.44	1.07	\$7.28	
TOTALS:	44,578	280,726	468,412	37,683*	\$1,173,882.19	0.6	1.18	\$2.51	100.00%

**Total unduplicated number of members*