

Rx prescribe  
generic first



# Kern Family<sup>TM</sup> Health Care

This may be found online at  
<https://www.kernfamilyhealthcare.com/members/medication-search/>  
Member handbook may be found online at  
<https://www.kernfamilyhealthcare.com/members/member-resources/member-handbook/>




# Drug Formulary

The formulary is updated regularly and is subject to change.  
All previous versions of the formulary are no longer in effect.

April 2020

*The Kern Family Health Care Drug Formulary includes information boxes prior to some of the major therapeutic categories. Please use these tools to assist with your care of our members.*



-  This symbol indicates some or all of the dosage forms are available generically. Prescribing generic brands of medication (and biosimilar and Follow Ons) is key to keeping the escalating medication costs down to a minimum.
-  This symbol indicates a drug identified by National Committee for Quality Assurance (NCQA) as a high risk medication for the elderly and should generally be avoided for this population. Please consider a formulary alternative.
-  This symbol indicates the drug should be billed to Medicare Part B as primary and Kern Family Health Care as a secondary payer.

# **Preface**

## FORMULARY

Members wishing to obtain a formulary or having general questions please call 1-800-391-2000 or visit kernfamilyhealthcare.com.

**The member identification number will be the CIN number. This is a number assigned by the state and is not the social security number.**

### **Kern Family Health Care (KHS Medi-Cal)**

BIN 600428

PCN 04970000

Pt. Number is CIN Number

Formulary OTC's Covered

Formulary Prenatal Vitamins Covered (OTC included)

Formulary Contraceptives Covered

No copayments

TAR's allowed for OTC and legend

## DEFINITIONS

"Brand name drug" is a drug that is marketed under a proprietary, trademark protected name. The brand name drug shall be listed in all CAPITAL letters.

"Enrollee" is a person enrolled in a health plan who is entitled to receive services from the plan. All references to enrollees in this this formulary template shall also include subscriber as defined in this section below.

"Exception request" is a request for coverage of a prescription drug. If an enrollee, his or her designee or prescribing health care provider submits an exception request for coverage of a prescription drug, the health plan must cover the prescription drug when the drug is determined to be medically necessary to treat the enrollee's condition.

"Exigent circumstances" are when an enrollee is suffering from a health condition that may seriously jeopardize the enrollee's life, health, or ability to regain maximum function or when an enrollee is undergoing a current course of treatment using a nonformulary drug.

"Formulary" is the complete list of drugs preferred for use and eligible for coverage under a health plan product, and includes all drugs covered under the outpatient prescription drug benefit of the health plan product.

"Generic drug" is the same drug as its brand name equivalent in dosage, safety, strength, how it is taken, quality, performance, and intended use. A generic drug is listed in bold and italicized lowercase letters.

“Nonformulary drug” is a prescription drug that is not listed on the health plan’s formulary.

“Prescribing provider” is a health care provider authorized to write a prescription to treat a medical condition for a health plan enrollee.

“Prescription” is an oral, written, or electronic order by a prescribing provider for a specific enrollee that contains the name of the prescription drug, the quantity of the prescribed drug, the date of issue, the name and contact information of the prescribing provider, the signature of the prescribing provider if the prescription is in writing, and if requested by the enrollee, the medical condition or purpose for which the drug is being prescribed.

“Prescription drug” is a drug that is prescribed by the enrollee’s prescribing provider and requires a prescription under applicable law.

“Prior Authorization” is a health plan’s requirement that the enrollee or the enrollee’s prescribing provider obtain the health plan’s authorization for a prescription drug before the health plan will cover the drug. The health plan shall grant a prior authorization when it is medically necessary for the enrollee to obtain the drug.

“Step therapy” is a process specifying the sequence in which different prescription drugs for a given medical condition and medically appropriate for a particular patient are prescribed. The health plan may require the enrollee to try one or more drugs to treat the enrollee’s medical condition before the health plan will cover a particular drug for the condition pursuant to a step therapy request. If the enrollee’s prescribing provider submits a request for step therapy exception, the health plans shall make exceptions to step therapy when the criteria is met.

#### PHARMACY AND THERAPEUTICS COMMITTEE

The Pharmacy and Therapeutics Committee is composed of Physician and Pharmacist community providers, as well as staff from Kern Health Systems. We have primary care providers, specialty physicians, and community based pharmacists (both chain and independent). Meetings are usually held quarterly. Issues you feel could improve our formularies or systems can be forwarded to the Director of Pharmacy at the plan offices, 2900 Buck Owens Blvd, Bakersfield, CA, 93308, phone 661-664-5101, fax 661-664-5191. Input from providers is welcomed. If you would like to serve on the Pharmacy & Therapeutics Committee please advise our Director of Pharmacy or Medical Director.

#### NON-FORMULARY REQUESTS

Requests for non-formulary medications or supplies or those needing a prior authorization must be submitted online by the provider or its designee. Please include the CIN number, medication failures, and non-formulary item requested as well as information on the patient. One drug per form please. You may telephone Kern Health Systems about non-formulary requests but State Law does require information to be submitted in writing.

#### SAMPLE MEDICATIONS

Providers are discouraged from providing samples; however, if samples are given to the member, the entire course of therapy must be covered by the samples in accordance to Policy 2.24, Pharmaceutical Guidelines. Medications provided as samples do not establish continuity precedent; and, therefore do not obligate coverage by KHS.

## TRIAL PERIOD

Barring any medically adverse responses from the member, the trial period of a medication shall be determined per the recommended dosing titration guidelines presented to the FDA.

## EMERGENCY DISPENSING

During weekends, holidays, and non-business hours a pharmacy may choose to dispense enough medication (72 hours supply maximum) as an emergency supply as defined by Title 22 Section 51056 to the member until the next working day, at the dispensing pharmacist's discretion according to pharmacy policy and procedures. If the medication is not on the Plan Formulary, a request must be submitted to payment processing stating the emergency and medication dispensed. TAR approval is not needed for reimbursement before dispensing of 72 hour emergency supply of non-formulary drugs.

## BRAND NAME MEDICATIONS WHEN EQUIVALENT GENERIC BRAND IS AVAILABLE

If a medication is available as an AB rated generic, then the brand name version will become non-Formulary. If a generic brand becomes available during a patient's treatment, the patient will be expected to switch to the generic brand and must fail the generic brand prior to KHS granting authorization for the brand name. Providers with patients having untoward effects from a generic brand will be required to submit a completed FDA MedWatch form to KHS as part of the authorization for a request to allow a brand name version instead of a generic brand. In a few instances, a brand may be the preferred drug even though a generic version exists. These are extremely rare and will be clearly identified to the effect.

Biosimilars and drugs considered as Follow Ons will be treated in the same fashion as if they were a traditional generic of the innovator drug. Per FDA rules, they are not automatically substitutable, but from clinical perspectives they are viewed as a generic version.

## PHARMACEUTICAL INDUSTRY SOLICITATION

If a representative would like something to be considered by the P&T committee they need to submit the request and supporting documents to KHS. KHS permits contact from the pharmaceutical industry only in written form. All correspondence is to be directed to the KHS Pharmacy Department. Material may be submitted by fax, US mail, or via e-mail. Unless specifically requested by KHS, face to face presentations, phone solicitations or any other means of communication are not allowed. KHS values the P&T committee members' time and effort dedicated to the plan and its members. They should not be contacted for committee considerations and requests.

## TIER STATUS

As a Medicaid plan, there are no tiers. All medications listed in the KHS Formulary are covered if there is no restriction or the restriction(s) is/are met. Any medication authorized through the Prior Authorization process for coverage purposes will be handled like a Formulary drug. Please note that claims may reject at the pharmacy point of service for reasons not listed in the KHS Formulary, such as refill too soon, drug interactions and therapeutic duplications.

## IV SOLUTIONS

Please see Formulary section for IV solution categories covered. KHS covers the stated infused agents in the categories listed. These are typically covered under the medical benefit as part of a per diem case rate.

## FORMULATIONS AND STRENGTHS

Medications listed in the KHS formulary are identified by the stated formulations and strengths. A drug may have only certain strengths or formulations covered. Non stated formulations would require a TAR.

## LOCATING A DRUG

A drug may be located in the formulary in a couple of ways. One may search the therapeutic category in the table of contents. Another is to look in the alphabetical index. Both brand and generic names are listed in the index. When locating the drug in the body of the Formulary, identifiers will indicate if a generic is available, the strengths and forms covered, and any restrictions that apply. Further clarity may be communicated in dialogue boxes associated to the categories they apply.

## UTILIZATION MANAGEMENT

The health plan uses a variety of methods to provide medically necessary drugs while being cost effective. These methods are called utilization management. Some of these methods include edits that will limit a coverage of a drug due to: prior authorizations, step therapy, quantity limits, refill too soon, therapeutic duplication, drug interaction, age limits, provider limits.

## MEDICAL VS PRESCRIPTION BENEFIT

Medications are covered by either the pharmacy benefit or medical benefit or in some cases both, such as vaccines. Most drugs listed here are considered to be a pharmacy benefit unless otherwise indicated.

## FORMULARY CHANGES

The Formulary may be changed throughout the year. The latest version will display the month and year it applies. Earlier versions should be discarded.

## FORMULARY LISTING VS IT BEING PRESCRIBED

Even if a drug is on the Formulary, that does not guarantee the provider will prescribe it. There are some limitations that may apply to the listed drugs, such as the reason your doctor prescribed it, your age, or other medical conditions you may have.

## PHARMACIES

Prescriptions may only be filled at pharmacies contracted with Kern Family Health Care. The Provider Directory will help you find a pharmacy. These are mainly in Kern County. If traveling within the state of California, a prescription may be filled at CVS, Rite Aid, Savon-Alberton's-Vons, or Walgreens. Outside the state, or if one of the mentioned pharmacies are not available, the pharmacy will need to contact Kern Family Health Care for prior authorization.



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Based on American Hospital Formulary Services (AHFS) Pharmacologic-Therapeutic Classification

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### **Abbreviations**

cr	continuous release	oint	ointment
conc	concentrate	ophth	ophthalmic
ec	enteric coated	sl	sublingual
inh	inhalation	soln	solution
liq	liquid	supp	suppository
mdi	metered dose inhaler	susp	suspension
NMT	not more than		

### **APPENDIX**

#### **DIABETIC TREATMENT CHARTS**

#### **ASTHMA TREATMENT CHARTS**

#### **CARVE OUT LIST**

#### **INDEX—GENERIC and BRAND**

**GENERIC**

**BRAND**

**FORMS**

**Amyotrophic Lateral Sclerosis Agents**

 **riluzole**

**RILUTEK®**

50mg tablet

*Restriction: Allowed for amyotrophic lateral sclerosis.*

**Analgesics - Narcotics - Drugs for pain**

*Medications in this category may be restricted in one or more ways. The restrictions are noted under the individual medications. Those patients who require additional quantities, fills or restricted medications will need to have their physician provide monitoring tools such as prescription drug monitoring programs (CURES), urine drug screens, and others as appropriate, along with physician's progress notes and treatment plan accompanying the request. This will help KHS staff determine how to properly encode the prior authorization. A good resource for guidelines may be found at C.A.R.E.S Alliance, caresalliance.org. The CDC has issued guidance as well. The recommendations entail evaluating the need of an opioid versus other pharmacologic and non-pharmacologic alternatives. Members should be started on as low a dose and as short a duration as clinically appropriate. KHS members who are opioid naive are allowed up to **seven** days therapy. Regimens longer than that require prior authorization. Recently, focus on total daily dose based on morphine equivalents has been instituted by Medicare and Medicaid. The health plan limits to 120 mg MED for non-malignant pain. New opioid therapy regimens are limited to a **seven** day supply. **Concurrent use with benzodiazepines, sedatives, and/or muscle relaxants is not recommended.***

*Acetaminophen (APAP, Tylenol®) hepatotoxicity can result from frequent and/or high doses of those medications with an acetaminophen component. Maximum recommended daily dose of APAP for a patient who does not drink alcohol is 4000mg. Patients may also aggravate the problem by taking other OTC drugs with APAP or receiving prescriptions of other APAP combinations.*

*It should be noted that the commonly prescribed Hydrocodone/APAP combinations are very limited on the KHS Formulary. KHS offers Oxycodone/APAP combinations such as Percocet® equivalents. Tramadol (Ultram®) although on the KHS formulary has many clinical limitations, including increasing risk of serotonin syndrome in addition to other centrally acting concerns. The FDA has recently added a new warning. Medications containing either codeine or tramadol are not to be prescribed to those under 18 years of age. Please consider morphine preparations before oxycodone or fentanyl formulations.*

 **codeine sulfate**

15 mg, 30 mg, 60 mg tablet

*Restriction: Limited to cancer patients or plan Pain Specialist Physicians. Authorization required for other diagnoses. Allowed for members > 18 years old.*










Continued on next page

## GENERIC

## BRAND

## FORMS

**Analgesics - Narcotics - Drugs for pain, continued • SEE PREVIOUS PAGE**

 hydromorphone	DILAUDID®	2mg, 4mg tablet, 3mg supp
<i>Restriction: Limited to cancer patients or plan Pain Specialist Physicians. Authorization required for other diagnoses. NMT 120 per month.</i>		
 fentanyl	DURAGESIC®	12 mcg, 25 mcg, 50 mcg, 75 mcg, 100 mcg patches
<i>Restriction: Limited to cancer patients or plan Pain Specialist Physicians. Authorization required for other diagnoses. Allow 10 patches per 30 days. Allowed for members failing morphine sulfate ER or unable to take solid dosage forms. 12 mcg patches are not recommended as starting doses.</i>		
 levorphanol	LEVO-DROMORAN®	2 mg tablet
<i>Restriction: Limited to cancer patients or plan Pain Specialist Physicians. Authorization required for other diagnoses.</i>		
 morphine	MS-CONTIN®	10mg/5ml, 20mg/5ml oral soln, 20mg/ml conc, 15mg, 30mg tablet, 15mg, 30mg, 60mg cr tablet
<i>Restriction: Limited to cancer patients or plan Pain Specialist Physicians. Authorization required for other diagnoses. NMT 90 per month.</i>		
 hydrocodone/apap	NORCO®	5mg/325mg, 10mg/325mg tablet, 7.5-325/15ml liq
<i>Restriction: 5/325 mg, NMT 60 tablets per month, NMT 3 dispensings per 90 days. 10/325mg -- Limited to cancer patients or plan Pain Specialist Physicians. NMT 120 tablets per month, NMT 3 dispensings per 90 days. Liquid is limited to members &lt; 18 years old and maximum of 3 day supply.</i>		
 oxycodone	OXY-CONTIN®	5mg, 10mg tablet, 10mg, 15mg, 20mg, 40mg cr tablet
<i>Restriction: Restricted to use by KHS plan Oncologists or Pain Specialist Physicians. Member needs to fail morphine ER. NMT 90 per month of immediate release, 60 per month of time release formulations.</i>		
 oxycodone w/acetaminophen	PERCOCET®	5mg-325mg tablet
<i>Restriction: Limited to cancer patients or plan Pain Specialist Physicians. Authorization required for other diagnoses. NMT 120 per month.</i>		
 codeine w/acetaminophen	TYLENOL W/CODEINE®	15mg-300mg, 30mg-300mg tablet, 12mg-120mg/5ml soln
<i>Restriction: NMT 60 tablets per month, NMT 3 dispensings per 90 day period. Allowed for members &gt; 18 years old.</i>		
 tramadol	ULTRAM®	50 mg tablet
<i>Restriction: Not indicated for members with abuse potential. Contraindicated with alcohol, hypnotics, centrally acting analgesics, opioids, and psychotropic agents. Seizures and serotonin syndrome may occur with antidepressants, triptans, lithium, enzyme inducing medications, and some antibiotics. Allowed for members &gt; 18 years old.</i>		

**GENERIC****BRAND****FORMS****Antiacne**

 isotretinoin		20 mg, 40 mg capsule
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*Restriction: Prior authorization required. Allowed for Dermatologists.*

**Anti-bacterial - Cephalosporin - Drugs for infection**

 cefuroxime		250mg, 500mg tablet
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*Restriction: Prior authorization required.*

 cephalixin	KEFLEX®	125mg/5ml, 250mg/5ml susp, 250mg, 500mg capsule
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 cefdinir	OMNICEF®	125 mg/5 ml susp, 250 mg/5 ml susp
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*Restriction: Restricted to members with Otitis Media < 8 years old failing 1st line antibiotics or documented penicillin allergy. Documented ICD-10 code with provider's office required for online submission otherwise submit TAR with documentation.*

**Anti-bacterial - Drugs for infection**

*Inappropriate use of antibiotics is a concern nationwide. Resistance to antibiotics is growing nationally. Additionally, antibiotics are ineffective on viral infections. Uncomplicated bronchitis and viral infections do not warrant antibiotic use. Please reference [www.AWARE.md](http://www.AWARE.md) or 916-779-6620 for more information on appropriate use of antibiotics. KHS has limits on days supply and number of fills per month on many antibiotics to help ensure appropriate use. A 10 day supply every 30 days is in place for the cephalosporins, macrolides, penicillins, and quinolone classes. Prior authorization justifying the necessity for longer or more frequent dosing will be needed for therapies exceeding those limits.*


**Anti-bacterial - Macrolide - Drugs for infection**

*Zithromax® 250mg tablets have a maximum of 6 (5 days therapy) as the drug continues working for a number of additional days.*

<b>Therapy</b>	<b>Days Supply</b>	<b>Cost</b>
Erythromycin 500mg QID	10	\$678
Azithromycin® 500mg x1, 250mg QD	5	\$5
Clarithromycin® 500mg ii QD	10	\$8

 clarithromycin	BIAXIN®	125 mg/5 ml, 250 mg/5 ml susp, 250 mg, 500 mg tablet
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*Restriction: Susp restricted to members < 8 years old w/Otitis Media who have recently failed first line antibiotics. 500mg tablets recommended for members who cannot tolerate or failed azithromycin.*

 clindamycin	CLEOCIN®	75mg/5ml susp, 75mg, 150mg, 300mg capsule
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## GENERIC





## BRAND

## FORMS

**Anti-bacterial - Macrolide - Drugs for infection, continued • SEE PREVIOUS PAGE**

 erythromycin base	E-MYCIN®	250mg, 333mg, 500mg ec tablet, 250mg ec particles capsule
<i>Restriction: Prior authorization required.</i>		
 erythromycin ethylsuccinate	EES®	200mg/5ml, 400 mg/5 ml, 400mg tablet
<i>Restriction: Prior authorization required.</i>		
 erythromycin base	ERY-TAB®	250mg, 333mg, 500mg ec tablet, 250mg ec particles capsule
<i>Restriction: Prior authorization required.</i>		
 erythromycin stearate	ERYTHROCIN®	250mg, 500mg tablet
<i>Restriction: Prior authorization required.</i>		
 azithromycin	ZITHROMAX®	100mg/5ml, 200mg/5ml susp, 250mg, 600mg tablet, 1 gm powder pack
<i>Restriction: 600mg Tablets – Restricted to members with MAC.</i>		

**Anti-bacterial - Miscellaneous - Drugs for infection**

 nitrofurantoin	FURADANTIN®	25mg/5ml susp
<i>Restriction: Limited to members &lt;6 years old.</i>		
 nitrofurantoin	MACROBID®	100mg monohydrate macrocrystalline capsule
<i>Restriction: Limit to 10 day supply unless prescribed by ID or urologist.</i>		
 fosfomycin tromethamine	MONUROL®	3 gm pckt
<i>Restriction: Limit to ID or urologist for ESBL urinary infections.</i>		
 neomycin		125mg/5ml soln, 500mg tablet

**Anti-bacterial - Penicillin - Drugs for infection**

*Augmentin® is restricted to children under 8 years of age. It will be approved for animal and human bites and severe sinusitis with prior authorization. Augmentin® is available in generic brands and there will be some cost savings by using the generic brands. Formulary strengths will be allowed to clear as first line up to age 8. Pneumonia, otitis media, and sinusitis are dosed at 45mg/kg/day divided twice daily and skin and UTIs are dosed at 25mg/kg/day divided twice a day. Instead of dosing three times a day, the plan recommends using a twice daily dosing schedule of 200mg and 400mg and 600mg, per AAP guidelines. Please prescribe the twice a day regimen.*



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GENERIC	BRAND	FORMS
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**Anti-bacterial - Penicillin - Drugs for infection, continued • SEE PREVIOUS PAGE**

		Costs
Amoxicillin 250mg/5ml	150ml	\$5
Amoxicillin-clavulanate 250mg/5ml	150ml	\$89
Amoxicillin-clavulanate 400mg/5ml	200ml	\$21

 amoxicillin	AMOXIL®	50 mg/ml drops, 125 mg/5 ml, 250 mg/5 ml, 200 mg/5 ml, 400 mg/5 ml susp, 125mg, 250mg, 500mg capsule
 amoxicillin/clavulanate	AUGMENTIN®	200 mg/5 ml, 400 mg/5 ml, 600 mg/5 ml susp, 500 mg, 875 mg tablet

*Restriction: Restricted to children < 8 years old with Otitis Media. First line treatment for animal bites. 10 days maximum therapy. Documented ICD-10 code with provider's office required for online submission otherwise submit TAR with documentation. Available first line for prescriptions written by ENT.*

 ampicillin	PRINCIPEN®	100mg/ml, 125mg/5ml, 250mg/5ml susp, 250mg, 500mg capsule
 penicillin vk	VEETIDS®	125mg/5ml, 250mg/5ml oral soln, 125mg, 250mg, 500mg tablet

**Anti-bacterial - Penicillinase Resistant Penicillin - Drugs for infection**

 dicloxacillin	DYNAPEN®	62.5mg/5ml susp, 125mg, 250mg, 500mg capsule
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**Anti-bacterial - Quinolone - Drugs for infection**

*The medications in this category are limited to 10 days therapy. Patients who require therapy beyond that limit require prior authorization. **Restricted in patients less than 18 years of age.** Levofloxacin (Levaquin®) probably has less resistance than ciprofloxacin (Cipro®) since Cipro® has been used in so many patients. A 28 day supply will be allowed of ciprofloxacin or levofloxacin for the management of prostatitis.*

 ciprofloxacin	CIPRO®	250mg, 500mg, 750mg tablet
 levofloxacin	LEVAQUIN®	250mg, 500mg, 750mg tablet

*Restriction: Urologists allowed 28 day supply.*

*Restriction: Urologists allowed 28 day supply.*

**Anti-bacterial - Sulfonilamide - Drugs for infection**

 sulfamethoxazole & trimethoprim	BACTRIM®/SEPTRA®	400mg-80mg, 800mg-160mg tablet, 200mg-40mg/5ml susp
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GENERIC	BRAND	FORMS
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**Anti-bacterial - Tetracycline - Drugs for infection**

 minocycline	MINOCIN®	50mg, 75mg, 100mg capsule
 doxycycline hyclate	VIBRAMYCIN®	50mg, 100mg capsule, 100mg tablet

**Anti-infective - Antifungal - Drugs for infection**

*Prior authorization will not be allowed for cosmetic purposes. Maximum therapy is 6 weeks for fingernails, 12 weeks for toenails. Sanford, et al, suggest that Terbinafine (Lamisil®) 250mg QD has one of the highest effectiveness rates (70-81%) of the FDA approved treatments. Sanford recommends ascertaining the ALT & AST levels prior to initiation of therapy since these drugs should not be used in chronic or active liver disease. KOH or positive culture required. Members with vaginal candidiasis, please use the fluconazole 200 mg tablet.*

isavuconazonium sulfate	CRESEMBA®	186mg capsule
<i>Restriction: Prior authorization required.</i>		
 fluconazole	DIFLUCAN®	50mg, 100mg, 200mg tablet
<i>Restriction: If needing the 150 mg dose, please use 200 mg.</i>		
 griseofulvin		125mg/5ml susp (microsize)
<i>Restriction: Suspension is for children &lt; 12 years old.</i>		
 terbinafine	LAMISIL®	250mg tablet
<i>Restriction: 12 week therapy maximum duration.</i>		
 clotrimazole	MYCELEX®	10mg troche
 nystatin	MYCOSTATIN®	100,000 units/ml susp, 500,000 unit tablet
 posaconazole	NOXAFIL®	40mg/ml susp, 100mg tablet
<i>Restriction: Prior authorization required.</i>		
 itraconazole	SPORANOX®	100mg capsule
<i>Restriction: Trial and failure of fluconazole.</i>		
 voriconazole	VFEND®	50mg, 200mg tablet, 200mg/5 ml susp
<i>Restriction: Prior authorization required.</i>		

**Anti-infective - Anthelmintic - Drugs for infection**

albendazole	ALBENZA®	200 mg tablet
<i>Restriction: Prior authorization required.</i>		
pyrantel	PIN-X®	50mg/ml susp, 250mg chewable tablet


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GENERIC	BRAND	FORMS
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**Anti-infective - Anthelmintic - Drugs for infection, continued • SEE PREVIOUS PAGE**

 ivermectin	STROMECTOL®	3 mg tablet
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**Anti-infective - Antimalarial - Drugs for infection**

 chloroquine		250 mg tablet
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*Restriction: Prior authorization required.*

 primaquine		26.3 mg tablet
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**Anti-infective - Antiprotozoal - Drugs for infection**

 benznidazole		12.5mg, 100mg tablet
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*Restriction: Prior authorization required.*

 pyrimethamine	DARAPRIM®	25 mg tablet
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*Restriction: Prior authorization required.*

 paromomycin	HUMATIN®	250mg capsule
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 atovaquone	MEPRON®	750mg/5ml susp
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*Restriction: Prior authorization required. Sulfa allergy and diagnosis of PCP.*


**Anti-infective - Anti-tubercular - Drugs for infection**

 isoniazid	INH®	50mg/5ml syrup, 50mg, 100mg, 300mg tablet
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 ethambutal	MYAMBUTAL®	100mg, 400mg tablet
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 rifabutin	MYCOBUTIN®	150mg capsule
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*Restriction: Restricted to prevention of MAC in patients with advanced HIV.*

 pyrazinamide		500 mg tablet
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*Restriction: Prior authorization required.*

 rifampin	RIMACTANE®	150mg, 300mg capsule
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 cycloserine	SEROMYCIN®	250mg capsule
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**Anti-infective - Anti-viral - Drugs for infection**

*Anti-viral agents for HIV related cases, with the exception of Zidovudine and Didanosine, are covered by fee for service Medi-Cal. Bill EDS, not KHS, for these patients. The carved out anti-viral agents are listed in the Appendix.*

*Anti-virals for Hepatitis, both B and C are covered, but require prior authorization. Adherence*

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## GENERIC




## BRAND

## FORMS

**Anti-infective - Anti-viral - Drugs for infection, continued • SEE PREVIOUS PAGE**





to treatment is essential. These are generally restricted to specialists, and monitoring is required. Current guidelines for Hepatitis B suggest the use of tenofovir. Keep in mind that is billed to EDS. The state Medicaid program has outlined criteria that all Medicaid plans, including the managed care will follow for coverage of Hepatitis C medications. If a patient has Hepatitis C refer to Hepatitis C program as they case manage the KHS Hepatitis C patients. At minimum, the initial referral needs to include the viral load, genotype, lab results, liver function tests, CBC, Child-pugh assessment, Metavir score (or equivalent), biopsy results (if performed), and others as outlined by the DHCS criteria. A 4 week viral load is needed for determination if further treatment would be authorized. All medications require prior authorization. DHCS requires all current therapies to be considered based on current professional guidelines.

**Acyclovir is the only Formulary medication for Genital Herpes Therapy:** Sanford, et al, in Guide to Anti-microbial Therapy - suggests there is little difference between antiviral agents for genital herpes. Valacyclovir is the prodrug of acyclovir; isolates resistant to acyclovir although low, (<1% in immunocompromised patients) are also resistant to valacyclovir. KHS only allows acyclovir at this time. An example of costs for these drugs for recurrent treatment is as follows:

<b>Medication &amp; Days Therapy</b>	<b>Cost</b>
 Acyclovir 400mg TID x 5 days	\$6
 Valtrex® 500mg BID x 3 days (non-formulary)	\$36
 Famvir® 125mg BID x 5 days (non-formulary)	\$47

KHS requires failure of Acyclovir before the other agents would be allowed on prior authorization.



**Topical Antiviral Therapy requires prior authorization:** Topical agents for antiviral therapy (Zovirax™, Abreva®) require prior authorization because of their limited effect. Usually topical products will only slightly decrease the duration of infection (3.4 vs. 4.1 days). Severe infections may benefit more from systemic therapy.

 entecavir	BARACLUDE®	0.5 mg, 1 mg tablet
<b>Restriction: Prior authorization required.</b>		
 ganciclovir	CYTOVENE®	250 mg, 500 mg capsule
<b>Restriction: Prior authorization required.</b>		
 sofosbuvir/velpatasvir	EPCLUSA®	400mg-100mg tablet
<b>Restriction: Prior authorization required.</b>		
 zidovudine	RETROVIR®	50mg/5 ml syrup, 100mg capsule





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GENERIC	BRAND	FORMS
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**Anti-infective - Anti-viral - Drugs for infection, continued • SEE PREVIOUS PAGE**

 oseltamivir	TAMIFLU®	30 mg, 45 mg, 75 mg capsule, 6 mg/ml susp
<i>Restriction: Members that are clinically eligible are strongly encouraged to receive the flu vaccine. Exceeding 2 fills within one flu season will require confirmation of infection.</i>		
interferon alpha	VARIOUS	injection
<i>Restriction: Prior authorization required.</i>		
ribavirin	VARIOUS	tablet
<i>Restriction: Prior authorization required.</i>		
elbasvir/grazoprevir	ZEPATIER®	50-100 mg tablet
<i>Restriction: Prior authorization required.</i>		
 acyclovir	ZOVIRAX®	200mg/5ml susp, 200mg capsule, 200mg, 400mg, 800mg tablet

**Anti-infective - Drugs for infection**

 vancomycin	FIRVANQ, ® VANCOCIN®	25 mg/ml, 50 mg/ml soln, various vials
<i>Restriction: Prior authorization required.</i>		
 metronidazole	FLAGYL®	250mg, 500mg tablet
 tinidazole	TINDAMAX®	500 mg tablet
<i>Restriction: Prior authorization required.</i>		
 linezolid	ZYVOX®	600mg tablet
<i>Restriction: Prior authorization required. Reserved for members with VRE.</i>		

**Anti-infective - Leprosy - Drugs for infection**

 dapsone		25 mg, 100 mg tablet
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**Antineoplastic - Drugs for Cancer**

Kern Family Health Care covers all therapeutic categories of neoplastic agents. Many require authorization to ensure appropriate use in accordance with professional guidelines such as the National Comprehensive Cancer Network (NCCN) and FDA indications. Some sub-classes are covered through per diem or infusion arrangements and are not billed through the PBM. Many newer drugs are targeted therapies for very specific conditions. Proper documentation demonstrating the member is a candidate is required. Not every drug is listed in each category. The medications listed are representative only of the class/mechanism of action. Unless otherwise indicated, require prior authorization.

Continued on next page

## GENERIC

## BRAND

## FORMS

**Antineoplastic - Drugs for Cancer, continued • SEE PREVIOUS PAGE**

*  fluorouracil	ADRUCIL®	500 mg/ml, 2.5 G/50 ml, 5G/100 ml, various
<i>Restriction: Prior authorization required.</i>		
* everolimus	AFINITOR®	2.5 mg, 5 mg, 7.5 mg capsule
<i>Restriction: Prior authorization required.</i>		
* melphalan	ALKERAN®	2mg tablet
*  anastrozole	ARIMIDEX®	1 mg tablet
* irinotecan	CAMPTOSAR®	100 mg/ 5 ml, 40 mg/2 ml, 300 mg/15 ml IV
<i>Restriction: Prior authorization required.</i>		
*  bicalutamide	CASODEX®	50 mg tablet
* ramucirumab	CYRAMZA®	100 mg/10 ml, 500 mg/50 ml IV
<i>Restriction: Prior authorization required.</i>		
*  cyclophosphamide	CYTOXAN®	25 mg, 50 mg capsule
<i>Restriction: Prior authorization required.</i>		
*  daunorubicin		5 mg, 20 mg IV
<i>Restriction: Prior authorization required.</i>		
* estramustine	EMCYT®	140mg capsule
* vismodegib	ERIVEDGE®	150 mg capsule
<i>Restriction: Prior authorization required.</i>		
*  flutamide	EULEXIN®	125mg capsule
*  letrozole	FEMARA®	2.5mg tablet
*  imatinib mesylate	GLEEVEC®	100 mg, 400 mg tablet
<i>Restriction: Prior authorization required.</i>		
* lomustine	GLEOSTINE®	10mg, 40mg, 100mg capsule
* eribulin mesylate	HALAVEN®	1 mg/2 ml IV
<i>Restriction: Prior authorization required.</i>		

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## GENERIC

## BRAND

## FORMS

**Antineoplastic - Drugs for Cancer, continued • SEE PREVIOUS PAGE**

* altretamine	HEXALEN®	50mg capsule
*  hydroxyurea	HYREA®	500mg capsule
* ixabepilone	IXEMPRA®	15 mg, 45 mg IV
<i>Restriction: Prior authorization required.</i>		
*  trastuzumab-anns	KANJINTI®	150 mg, 440 mg IV
<i>Restriction: Prior authorization required.</i>		
*  chlorambucil	LEUKERAN®	2mg tablet
* leuprolide	LUPRON®	3.75-5 mg, 11.25-5 mg, 22.5 mg syringe
<i>Restriction: Prior authorization required.</i>		
* mitotane	LYSODREN®	500mg tablet
* procarbazine	MATULANE®	50mg capsule
*  megestrol	MEGACE®	40mg/ml susp, 20mg, 40mg tablet
*  methotrexate		2.5mg tablet, 25mg/ml vial
* gemtuzumab ozogamicin	MYLOTARG®	4.5 mg IV
<i>Restriction: Prior authorization required.</i>		
*  tamoxifen	NOLVADEX®	10mg, 20mg tablet
* nivolumab	OPDIVO®	40mg/4 ml, 100mg/10 ml IV
<i>Restriction: Prior authorization required.</i>		
*  paclitaxel		6 mg/ml vial
<i>Restriction: Prior authorization required.</i>		
* alitretinoin	PANRETIN®	0.1% gel
<i>Restriction: Prior authorization required.</i>		
* porfimer sodium	PHOTOFRIN®	75 mg IV
<i>Restriction: Prior authorization required.</i>		
*  mercaptopurine	PURINETHOL®	50mg tablet


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## GENERIC

## BRAND

## FORMS

**Antineoplastic - Drugs for Cancer, continued • SEE PREVIOUS PAGE**

* <i>lenalidomide</i>	REVLIMID®	2.5 mg, 5 mg, 10 mg, 15 mg, 20 mg, 25 mg capsule
<i>Restriction: Prior authorization required.</i>		
*  <i>rituximab- pvvr</i>	RUXIENCE®	10mg IV
<i>Restriction: Prior authorization required.</i>		
* <i>bexarotene</i>	TARGRETIN®	75 mg capsule
<i>Restriction: Prior authorization required.</i>		
*  <i>temozolomide</i>	TEMODAR®	5mg, 20mg, 100mg, 140mg, 180mg, 250mg capsule
<i>Restriction: Prior authorization required.</i>		
* <i>thalidomide</i>	THALOMID®	50 mg, 100 mg, 150 mg, 200 mg capsule
<i>Restriction: Prior authorization required.</i>		
*  <i>thioguanine</i>		40mg tablet
* <i>triptorelin</i>	TRELSTAR®	3.75 mg, 11.25 mg, 22.5 mg IV
<i>Restriction: Prior authorization required.</i>		
*  <i>etoposide</i>	VEPESID®	50mg capsule
*  <i>vincristine</i>		1 mg/1 ml, 2 mg/ 2 ml IV
<i>Restriction: Prior authorization required.</i>		
* <i>pazopanib</i>	VOTRIENT®	200 mg tablet
<i>Restriction: Prior authorization required.</i>		
* <i>ipilimumab</i>	YERVOY®	50mg/10 ml, 200 mg/40 ml IV
<i>Restriction: Prior authorization required.</i>		
* <i>axicabtagene ciloleucel</i>	YESCARTA®	plastic bag
<i>Restriction: Prior authorization required.</i>		
* <i>ziv-aflibercept</i>	ZALTRAP®	100 mg/ 4 ml, 200 mg/8 ml IV
<i>Restriction: Prior authorization required.</i>		
*  <i>bevacizumab-bvzr</i>	ZIRABEV®	25 mg IV
<i>Restriction: Prior authorization required.</i>		

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GENERIC	BRAND	FORMS
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**Antineoplastic - Drugs for Cancer, continued • SEE PREVIOUS PAGE**

* vorinostat	ZOLINZA®	100 mg capsule
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*Restriction: Prior authorization required.*

**Anti-Parkinsonism**

♥ entacapone	COMTAN®	200 mg tablet
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*Restriction: Required trial and failure of carbidopa/levodopa alone. Works only in combination with levodopa.*

♥ levodopa		250mg, 500mg capsule
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♥ pramipexole	MIRAPEX®	0.125mg, 0.25mg, 0.5mg, 1mg, 1.5mg tablet
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*Restriction: Restricted to Parkinsons only. Requires failure of levodopamine therapy.*

♥ ropinirole	REQUIP®	0.25mg, 0.5mg, 1mg, 2mg, 3mg, 4mg, 5mg tablet
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*Restriction: Restricted to Parkinsons only. Requires failure of levodopamine therapy.*

♥ carbidopa & levodopa	SINEMET®	10mg-100mg, 25mg-100mg, 25mg-250mg tablet, 25mg-100mg, 50mg-200mg cr tablet
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**Antirheumatoid and Disease Modifiers - Drugs for the immune system**

♥ leflunomide	ARAVA®	10mg, 20mg tablet
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*Restriction: Plan rheumatologists only.*

♥ sulfasalazine	AZULFIDINE®	250mg/5ml susp, 500mg tablet & ec tablet
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* ♥ azathioprine	IMURAN®	50mg tablet
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♥ methotrexate		2.5mg tablet, 25mg/ml vial
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apremilast	OTEZLA®	30 mg tablet
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*Restriction: Prior authorization required.*

♥ hydroxychloroquine	PLAQUENIL®	200 mg tablet
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*Restriction: Prior authorization required.*

♥ auranofin	RIDAURA®	3 mg capsule
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*Restriction: Prior authorization required.*

**Antiuricosuric - Drugs for gout**
















♥ probenecid	BENEMID®	500mg tablet
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♥ colchicine & probenecid	COLBENEMID®	0.5mg-500mg tablet
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GENERIC	BRAND	FORMS
<b>Antifuricosuric - Drugs for gout, continued • SEE PREVIOUS PAGE</b>		
 <i>allopurinol</i>	ZYLOPRIM®	100mg, 300mg tablet
<b>Autonomic - Anticholinergic - Drugs to reduce GI motility</b>		
  <i>dicyclomine</i>	BENTYL®	10mg/5ml syrup, 10mg, 20mg capsule, 20mg tablet
 <i>hyoscyamine</i>	LEVSIN®	0.125mg/ml drops
 <i>glycopyrrolate</i>	ROBINUL®	1 mg, 2mg tablet
<b>Autonomic - Cholinergic - Drugs to improve GI motility</b>		
 <i>pyridostigmine</i>	MESTINON®	60 mg tablet
 <i>neostigmine</i>	PROSTIGMIN®	15 mg tablet
 <i>bethanechol</i>	URECHOLINE®	5mg, 10mg, 25mg, 50mg tablet
<b>Benign Prostate Hypertrophy - Drugs for the prostate</b>		
 <i>tamsulosin</i>	FLOMAX®	0.4mg capsule
<i>Restriction: Trial and failure of formulary alpha blockers.</i>		
 <i>finasteride</i>	PROSCAR®	5 mg tablet
<i>Restriction: Plan urologists only.</i>		
<b>Biologics &amp; Biosimilars</b>		
<i>secukinumab</i>	COSENTYX®	150 mg, 300 mg injection
<i>Restriction: Prior authorization required.</i>		
 <i>etanercept</i>	ENBREL®	25 mg, 50 mg
<i>Restriction: Prior authorization required.</i>		
 <i>interferon beta -1b</i>	EXTAVIA®	0.3 mg injection
<i>Restriction: Prior authorization required. Trial and failure of Glatopa.</i>		
 <i>glatiramer acetate</i>	GLATOPA®	20 mg/ml, 40 mg/ml syringe
<i>Restriction: Prior authorization required. Allowed for Neurologist and failure of steroid therapy.</i>		
 <i>adalimumab</i>	HUMIRA®	40mg/0.8ml
<i>Restriction: Prior authorization required.</i>		
 <i>infliximab-abda</i>	RENFLEXIS®	100 mg vial
<i>Restriction: Prior authorization required.</i>		

GENERIC	BRAND	FORMS
<b>Cardiovascular - Alphablocker - Drugs for the heart</b>		
 <i>methyldopa</i>	ALDOMET®	125mg, 250mg, 500mg tablet
 <i>doxazosin</i>	CARDURA®	1mg, 2mg, 4mg, 8mg tablet
 <i>clonidine</i>	CATAPRES®	0.1mg, 0.2mg, 0.3mg tablet
 <i>terazosin</i>	HYTRIN®	1mg, 2mg, 5mg, 10mg tablet or capsule
 <i>prazosin</i>	MINIPRESS®	1mg, 2mg, 5mg capsules
 <i>guanfacine</i>	TENEX®	1mg, 2mg tablet
<b>Cardiovascular - Angiotensin Converting Enzyme Inhibitors - Drugs for the heart</b>		
 <i>quinapril</i>	ACCUPRIL®	10mg, 20mg, 40mg tablet
 <i>ramipril</i>	ALTACE®	1.25mg, 2.5mg, 5mg, 10mg capsule
 <i>benazepril</i>	LOTENSIN®	5mg, 10mg, 20mg, 40mg tablet
 <i>enalapril</i>	VASOTEC®	5mg, 10mg, 20mg tablet
 <i>lisinopril</i>	ZESTRIL®	10mg, 20mg, 30 mg, 40mg tablet
<b>Cardiovascular - Angiotensin Converting Enzyme Inhibitors Combination - Drugs for the heart</b>		
 <i>benazepril - hctz</i>		5mg-6.25mg, 10mg-12.5mg, 20mg-12.5mg, 20mg-25mg tablet
 <i>lisinopril - hctz</i>		10mg-12.5mg, 20mg-12.5mg, 20mg-25mg tablet
<b>Cardiovascular - Angiotensin II Receptor Blocker - Drugs for the heart</b>		
 <i>irbesartan</i>	AVAPRO®	150mg, 300 mg tablet
 <i>losartan</i>	COZAAR®	50 mg, 100 mg tablet
 <i>valsartan</i>	DIOVAN®	80mg, 160mg, 320mg tablet
<b>Cardiovascular - Angiotensin II Receptor Blocker Thiazide Combination - Drugs for the heart</b>		
 <i>irbesartan-hctz</i>	AVALIDE®	150-12.5mg, 300-25mg tablet
 <i>valsartan-hctz</i>	DIOVANHCT®	160-12.5mg, 160-25mg, 320-12.5mg, 320-25mg tablet
 <i>losartan-hctz</i>	HYZAAR®	50-12.5mg, 100-12.5mg, 100-50mg tablet

GENERIC	BRAND	FORMS
<b>Cardiovascular - Antiarrhythmic - Drugs for the heart</b>		
 amiodarone		200mg tablet
 sotalol	BETAPACE®	80mg, 120mg, 160mg, 240mg tablet
 digoxin	LANOXIN®	0.05mg/ml elixir, 0.125mg, 0.25mg tablet
 mexiletine	MEXITIL®	150mg, 200mg, 250mg capsule
 disopyramide	NORPACE®	100mg, 150mg capsule, 100mg, 150 cr capsule
<i>Restriction: Restricted to plan cardiologists only, others require prior authorization.</i>		
 propafenone	RHYTHMOL®	150mg, 225mg, 300mg tablet
<i>Restriction: plan cardiologists only, others require prior authorization.</i>		
 flecainide	TAMBOCOR®	50mg, 100mg, 150 mg tablet
<i>Restriction: Restricted to plan cardiologists only, others require prior authorization.</i>		
<b>Cardiovascular - Antilipid (HMG - CoA Reductase Inhibitors) - Drugs for the heart</b>		
<i>KHS currently has the "Statin" drugs listed below on the Formulary. Half tablet dosing is required on statins.</i>		
 rosuvastatin	CRESTOR®	10mg, 20mg, 40mg tablet
 atorvastatin	LIPITOR®	20mg, 40mg, 80mg tablet
 pravastatin	PRAVACHOL®	20mg, 40mg tablet
 simvastatin	ZOCOR®	10mg, 20mg, 40mg, 80mg tablet
<b>Cardiovascular - Antilipid - Fibrates - Drugs for the heart</b>		
 fenofibrate		54mg, 145mg, 160mg tablet
<i>Restriction: Trial and failure of gemfibrozil. Ok first line if on statin therapy.</i>		
 gemfibrozil	LOPID®	600mg tablet
<b>Cardiovascular - Antilipid - Lipotropics - Drugs for the heart</b>		
 ezetimibe	ZETIA®	10mg tablet
<i>Restriction: Prior authorization required. Should be adjunct to statin therapy.</i>		
<b>Cardiovascular - Antilipid - Other Medications - Drugs for the heart</b>		
 colestipol	COLESTID®	1g tablet

Continued on next page



## GENERIC

## BRAND

## FORMS

**Cardiovascular - Antilipid - Other Medications - Drugs for the heart, continued • SEE PREVIOUS PAGE**

 <i>cholestyramine</i>	QUESTRAN®	Powder (bulk can only)
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**Cardiovascular - Betablocker - Drugs for the heart**

 <i>carvedilol</i>	COREG®	3.125mg, 6.25mg, 12.5mg tablet
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 <i>propranolol</i>	INDERAL®	20mg/5ml, 40mg/5ml oral soln, 10mg, 20mg, 40mg, 60mg, 80mg tablet
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 <i>metoprolol tartrate</i>	LOPRESSOR®	50mg, 100mg tablet
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 <i>acebutolol</i>	SECTRAL®	200mg, 400mg capsule
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 <i>atenolol</i>	TENORMIN®	25mg, 50mg, 100mg tablet
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 <i>labetolol</i>	TRANDATE®	100mg, 200mg, 300mg tablet
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**Cardiovascular - Betablocker Thiazide Combination - Drugs for the heart**

 <i>bisoprolol - hctz</i>		2.5-6.25 mg, 5-6.25 mg, 10-6.25 mg tablet
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**Cardiovascular - Calcium Channel Blocker - Drugs for the heart**

  <i>nifedipine</i>	ADALAT CC®	30mg, 60mg, 90mg cr tablet
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 <i>verapamil</i>	CALAN®, CALAN SR®	40mg, 80mg, 120mg tablet, 120mg cr tablet, 180mg cr tablet, 240mg cr tablet
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 <i>diltiazem</i>	CARDIZEM®	30mg, 60mg, 90mg, 120mg tablet, 120mg/24hr, 180mg/24hr, 240mg/24hr, 300mg/24hr, 360mg/24hr cr capsule
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 <i>amlodipine</i>	NORVASC®	2.5mg, 5mg, 10mg tablet
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**Cardiovascular - Diuretic - Drugs for the heart**

 <i>spironolactone</i>	ALDACTONE®	25mg, 50mg, 100mg tablet
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 <i>chlorthalidone</i>		15mg, 25mg tablet
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 <i>triamterene &amp; hydrochlorothiazide</i>	DYAZIDE®, MAXIDE®	37.5mg-25mg capsule, 75mg-50mg tablet
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 <i>triamterene</i>	DYRENIUM®	50mg, 100mg capsule
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 <i>hydrochlorothiazide</i>	ESIDRIX®	25mg tablet
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 <i>furosemide</i>	LASIX®	8mg/ml, 10mg/ml soln, 20mg, 40mg, 80mg tablet
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GENERIC	BRAND	FORMS
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**Cardiovascular - Diuretic - Drugs for the heart, continued • SEE PREVIOUS PAGE**

 <i>indapamide</i>	LOZOL®	1.25mg, 2.5mg tablet
 <i>metolazone</i>	ZAROXOLYN®	2.5 mg, 5 mg, 10 mg tablet

*Restriction: Restricted to members on furosemide therapy.*

**Cardiovascular - Electrolyte Depletter - Drugs for the heart**


 <i>lanthunum carbonate</i>	FOSRENOL®	500mg, 750mg, 1000mg chewable tablet
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*Restriction: Max 3000mg/day.*

 <i>sodium polystyrene sulfonate</i>	KAYEXALATE®	25% susp only
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 <i>calcium acetate</i>	PHOSLO®	667mg capsule
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*Restriction: For renal patients only.*

 <i>potassium chloride</i>		8mEq, 10mEq, 20mEq cr tablet, 10%, 20% liquid
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 <i>sevelamer carbonate</i>	REVELA®	800mg tablet
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*Restriction: Maximum of 12 tablets daily if prescribed by a nephrologist. Higher doses require prior authorization, support with lab values.*


<i>patiromer</i>	VELTASSA®	8.4 g, 16.8g, 25.2 gm powder
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*Restriction: Prior authorization required.*

**Cardiovascular - Pulmonary Arterial Hypertension Endothelin Receptor Antagonist - Drugs for the heart**

 <i>ambrisentan</i>	LETAIRIS®	5 mg, 10 mg tablet
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*Restriction: Prior authorization required.*

 <i>bosentan</i>	TRACLEER®	62.5 mg, 125 mg tablet
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*Restriction: Prior authorization required.*

**Cardiovascular - Pulmonary Arterial Hypertension Phosphodiesterase 5 Inhibitor - Drugs for the heart**

 <i>sildenafil</i>	REVATIO®	20mg tablet
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*Restriction: Prior authorization required.*

**Cardiovascular - Pulmonary Arterial Hypertension Prostacyclin type - Drugs for the heart**

 <i>epoprostenol</i>	FLOLAN®	0.5 mg, 1.5 mg vial
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*Restriction: Prior authorization required.*

## GENERIC




## BRAND

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**Cardiovascular - Vasodilator - Drugs for the heart**

 <i>hydralazine</i>	APRESOLINE®	10mg, 25mg, 50mg, 100mg tablet
 <i>isosorbide mononitrate</i>	IMDUR®	60mg, 120mg tablet
 <i>isosorbide dinitrate</i>	ISORDIL®	5mg, 10mg, 20mg, 30mg tablet, 2.5mg, 5mg sl tablet, 5mg, 10mg chewable tablet
 <i>minoxidil</i>	LONITEN®	2.5mg, 10mg tablet
 <i>nitroglycerin</i>		0.1 mg/hr, 0.2 mg/hr, 0.3 mg/hr, 0.4 mg/hr, 0.6 mg/hr, 0.8 mg/hr patch
 <i>nitroglycerin</i>	NITROSTAT®	0.3mg, 0.4mg, 0.6mg sl tablet

**Central Nervous System - Anticonvulsant - Drugs for the nervous system**

 <i>divalproex</i>	DEPAKOTE®, DEPAKOTE ER®	125mg ec capule, 125mg, 250mg, 500mg ec tablet, 500mg cr tablet, 250mg/5ml soln
 <i>phenytoin</i>	DILANTIN®, PHENYTEK®	50mg chewable tablet, 30mg, 100mg capsule, 30mg/5ml, 125mg/5ml susp
 <i>tiagabine</i>	GABITRIL®	2mg, 4mg, 12mg, 16mg tablet

*Restriction: Restricted to plan Neurologists.*

 <i>levetiracetam</i>	KEPPRA®	500mg, 750mg, 1000mg tablet, 500mg XR, 750mg XR tablet
 <i>clonazepam</i>	KLONOPIN®	0.5mg, 1 mg, 2mg tablet
 <i>lamotrigine</i>	LAMICTAL®	5mg, 25mg chewable tablet, 100mg, 150mg, 200mg tablet
 <i>pregabalin</i>	LYRICA®	25mg, 50mg, 75mg, 100mg, 150mg, 200mg, 225mg, 300mg capsule
 <i>primidone</i>	MYSOLINE®	250mg/5ml susp, 50mg, 250mg tablet
 <i>gabapentin</i>	NEURONTIN®	100mg, 300mg, 400mg capsule, 600mg, 800mg tablet
 <i>phenobarbital</i>		20mg/5ml elixir, 15mg, 30mg, 60mg, 100mg tablet
 <i>carbamazepine</i>	TEGRETOL®	100mg chewable tablet, 200mg tablet, 100mg/5ml susp






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GENERIC	BRAND	FORMS
<b>Central Nervous System - Anticonvulsant - Drugs for the nervous system, continued • SEE PREVIOUS PAGE</b>		
 <i>topiramate</i>	TOPAMAX®	15mg, 25mg sprinkle capsule, 25mg, 50 mg, 100mg, 200mg tablet
<i>Restriction: Capsules allowed for children &lt; 10 years old.</i>		
 <i>oxcarbazepine</i>	TRILEPTAL®	300mg, 600mg tablet
 <i>ethosuximide</i>	ZARONTIN®	250mg/5ml syrup, 250mg capsule
 <i>zonisamide</i>	ZONEGRAN®	25mg, 50mg, 100mg capsule
<b>Central Nervous System - Antidepressant - Antipsychotic - Drugs for the nervous system</b>		
 <i>perphenazine &amp; amitriptyline</i>	TRIAVIL®	2-10mg, 2-25mg, 4-10mg, 4-25mg tablet
<i>Restriction: Prior authorization required.</i>		
<b>Central Nervous System - Antidepressant - Norepinephrine Antagonist and Serotonin Antagonist Antidepressants - Drugs for the nervous system</b>		
 <i>mirtazapine</i>	REMERON®	15mg, 30mg, 45mg tablet
<b>Central Nervous System - Antidepressant - Norepinephrine-Dopamine Reuptake Inhibitors (NDRI) - Drugs for the nervous system</b>		
 <i>trazodone</i>	DESYREL®	50mg, 100mg, 150mg tablet
 <i>bupropion</i>	WELLBUTRIN®	100 mg, 150 mg, 200 mg cr tablet, 150 mg, 300 mg xl tablet
<i>Restriction: Restricted to Depression formulation designation.</i>		
<b>Central Nervous System - Antidepressant - Selective Serotonin Reuptake Inhibitors (SSRI) - Drugs for the nervous system</b>		
<p><i>Fluoxetine is the least expensive of the SSRIs. KHS recommends the generic Fluoxetine as the economic SSRI of choice. Only the 20mg capsules will be covered since they are so inexpensive compared to the 40mg. DHCS has age restrictions on use in pediatrics. Please consult FDA on specific guidelines.</i></p> <p><i>KHS formulary requires half tablet dosing for all tablets in this class except for citalopram. All generic formulations must be tried and considered before branded, non-formulary medications will be considered.</i></p> <p><i>Tablet splitters are covered for KHS patients.</i></p>		
 <i>citalopram</i>	CELEXA®	10mg, 20mg, 40mg tablet
<i>Restriction: Allowed &gt; 12 years old.</i>		






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GENERIC	BRAND	FORMS
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### Central Nervous System - Antidepressant - Selective Serotonin Reuptake Inhibitors (SSRI) - Drugs for the nervous system, continued • SEE PREVIOUS PAGE

 escitalopram	LEXAPRO®	5mg, 10mg, 20mg tablet
<i>Restriction: Citalopram trial and failure required. Allowed &gt; 12 years old.</i>		
 fluvoxamine	LUVOX®	50mg, 75mg, 100mg tablet, 100mg, 150mg er capsule
<i>Restriction: 100mg and 150 mg ER capsule PA required. Allowed &gt; 8 years old.</i>		
 paroxetine	PAXIL®	20mg, 30mg, 40mg tablets, 10mg/5ml susp
<i>Restriction: Allowed &gt; 18 years old. Suspension requires prior authorization.</i>		
 fluoxetine	PROZAC®	10mg, 20mg capsule, 20mg/5ml soln
<i>Restriction: Restricted to 10mg NMT 1 daily, 20mg NMT 4 daily. Allowed &gt; 7 years old.</i>		
 sertraline	ZOLOFT®	50mg, 100mg tablet
<i>Restriction: Allowed &gt; 6 years old.</i>		

### Central Nervous System - Antidepressant - Tricyclics (TCA) - Drugs for the nervous system

 amitriptyline		10mg, 25mg, 50mg, 75mg, 100mg, 150mg tablet
 clomipramine	ANAFRANIL®	25mg, 50mg, 75mg capsule
<i>Restriction: Prior authorization required.</i>		
 desipramine	NORPRAMIN®	10mg, 25mg, 50mg, 75mg, 100mg, 150mg tablet
 nortriptyline	PAMELOR®	10mg, 25mg, 50mg, 75mg capsule, 10mg/5ml soln
 imipramine	TOFRANIL®	10mg, 25mg, 50mg tablet, 75mg, 100mg, 150mg capsule (pamoate)

### Central Nervous System - Antidepressant-Serotonin - Norepinephrine Reuptake Inhibitors (SNRI) - Drugs for the nervous system

 duloxetine	CYMBALTA®	20mg, 30mg, 60mg capsule
 venlafaxine	EFFEXOR®, EFFEXOR XR®	25mg, 37.5mg, 50mg, 75mg, 100mg tablet, 37.5mg, 75mg, 150mg cr capsule

### Central Nervous System - Antipsychotic - Drugs for the nervous system

*For Kern Family Health Care (KHS Medi-Cal) most of the straight antipsychotic agents are carved out to Medi-Cal. Please see Appendix.*

### Central Nervous System - Anxiolytic - Drugs for the nervous system

*The **Benzodiazepine** anxiolytic medications are restricted to prevent patients becoming*

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GENERIC	BRAND	FORMS
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### Central Nervous System - Anxiolytic - Drugs for the nervous system, continued • SEE PREVIOUS PAGE

habituated or addicted to them. Doses for physicians who are not mental health specialists are also restricted. Diazepam and lorazepam are restricted to an initial 90 days supply and have the following daily maximums. The SSRI's are recommended for long term antianxiety therapy.

**Caution should be used when combining with opioids.**

Medication	Daily Maximum Dose
Diazepam	10mg
Lorazepam	2mg

 lorazepam	ATIVAN®	0.5mg, 1 mg, 2mg tablet
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*Restriction: Restricted to 90 days therapy and 2mg maximum daily dose.*

 buspirone	BUSPAR®	5mg, 10mg, 15mg tablet
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 clonazepam	KLONOPIN®	0.5mg, 1 mg, 2mg tablet
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  diazepam	VALIUM®	2mg, 5mg, 10mg tablet
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*Restriction: Restricted to 90 days therapy and 10mg maximum daily dose.*

### Central Nervous System - Migraine - Drugs for the nervous system

ergotamine & caffeine	CAFERGOT®	1mg-100mg tablet, 2mg-100mg supp
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*Restriction: 20 doses per month.*

 ergotamine tartrate		2 mg sl tablet
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 butalbital, caffeine, & acetaminophen	FIORICET®	50mg-40mg-325mg tablet
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*Restriction: 50 tablets maximum per month.*

 butalbital, caffeine, & aspirin	FIORINAL®	50mg-40mg-325mg capsule/tablet
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*Restriction: 50 capsules maximum per month.*

### Central Nervous System - Migraine-Triptan - Drugs for the nervous system

The **Triptan** medications are the largest expense category of the anti-migraine drugs. The Triptan medications are maximally restricted to 9 tablets per 30 day period and 3 dispensings in a 365 day period. Patients whose demand exceeds the 3 fills are recommended to be considered for prophylactic medications and for a Neurology referral.

Medication	Cost/9 tablets
Sumatriptan (Imitrex®) 50-100mg	\$9
Naratriptan (Amerge®) 2.5mg	\$25
Rizatriptan (Maxalt®) 5mg	\$19
Zolmitriptan (Zomig®) 5mg	\$57

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### Central Nervous System - Migraine-Triptan - Drugs for the nervous system, continued • SEE PREVIOUS PAGE

 naratriptan	AMERGE®	1 mg, 2.5mg tablet
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*Restriction: 9 tablets in 30 days with a maximum of 3 fills in a 12 month period.*

 sumatriptan	IMITREX®	50mg, 100mg tablet only
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*Restriction: Restricted to 9 tablets in 30 days with a maximum of 3 fills in a 12 month period.*

 rizatriptan	MAXALT®	5mg, 10mg tablet
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*Restriction: 12 tablets in 40 days with a maximum of 2 fills in a 12 month period.*

### Central Nervous System - Sedative - Drugs for the nervous system

*Many references on insomnia recommend against prescribing sedative medication on a nightly basis. KHS will promote this utilization. These medications will be restricted to the treatment of insomnia and 15 per 30 days. For those patients experiencing morning drowsiness from the regular strengths of the Formulary medications low dose Temazepam (Restoril® 7.5mg) is offered. The FDA has issued recommendations for lower doses for women. **Caution should be used in combination with opioids.***

 zolpidem	AMBIEN®	5mg, 10mg tablet
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*Restriction: Allow 15 tablets in 30 days. 5mg daily maximum allowed for women.*

 temazepam	RESTORIL®	15mg, 30mg capsule
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*Restriction: Allow 15 capsules in 30 days.*

### Central Nervous System - Stimulant - Drugs for the nervous system


*Restricted to members between the ages of 4 and 16 years old with ADD/ADHD. ER formulations limited to once daily dosing in accordance to FDA dosing guidelines.*

 amphetamine combination	ADDERALL®, ADDERALL XR®	5mg, 7.5mg, 10mg, 20mg, 30mg tablet, 5mg, 10mg, 15mg, 20mg, 25mg, 30mg cr tablet
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 dextro-amphetamine	DEXEDRINE®	5mg, 10mg tablet, 10mg, 15mg, cr capsule
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 dexmethylphenidate	FOCALIN®, FOCALIN XR®	5mg, 10mg tablet, 5mg, 10mg, 15mg, 20mg, 30mg capsule
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 methylphenidate	RITALIN®	5mg, 10mg, 20mg tablet, 20mg cr tablet
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 atomoxetine	STRATTERA®	10 mg, 18 mg, 25 mg, 40 mg, 60 mg, 80 mg, 100 mg capsule
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*Restriction: Psychiatrist only.*

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## GENERIC

## BRAND

## FORMS

**Central Nervous System - Stimulant - Drugs for the nervous system, continued • SEE PREVIOUS PAGE**

lisdexamfetamine

VYVANSE®

20mg, 30mg, 40mg, 50mg, 60mg, 70mg capsule

*Restriction: Must fail generic amphetamines first.***Cholinesterase Inhibitors - Drugs for memory loss** donepezil

ARICEPT®

5mg, 10mg tablet

*Restriction: Prior authorization required. MMSE***Drug Dependency Therapy** varenicline

CHANTIX®

0.5mg, 1 mg tablet

 nicotineNICORETTE®,  
NICOTROL®, NICODERM  
CQ®2mg, 4mg gum, 2mg, 4 mg lozenge, 10mg cartridge,  
10mg/ml spray, 7mg, 14 mg, 21 mg patches**Enterals**

*Enterals are covered by KHS following the Medi-Cal guidelines for coverage and exclusion. Only products listed on the Fee-For-Service product list are covered. The products are grouped by the following product categories:*

- *Elemental and Semi-Elemental*
- *Metabolic*
- *Specialized*
- *Specialty Infant*
- *Standard*

*KHS members must meet the medical criteria for the product category specific to the product requested.*

*Enteral nutrition products may be covered upon authorization when used as a therapeutic regimen to prevent serious disability or death in patients with medically diagnosed conditions that preclude the full use of regular food (California Code of Regulations [CCR], Title 22, Section 51313.3).*

*Enteral nutrition products covered are subject to the Medi-Cal List of Enteral Nutrition Products and utilization controls (Welfare and Institutions Code [W&I Code], Sections 14132.86, 14105.8 and 14105.395).*

*Enteral nutrition products provided to inpatients receiving inpatient hospital services are included in the hospital's reimbursement made under the CCR, Title 22, Section 51536. These products are not separately reimbursable. Enteral nutrition products provided to inpatients receiving Nursing Intermediate Care Facilities Facility Level A services or Nursing Facility Level B services are not separately reimbursable.*

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## GENERIC

## BRAND

## FORMS

**Enterals, continued • SEE PREVIOUS PAGE**

*Enteral nutrition products provided to patients in an Intermediate Care Facility for the Developmentally Disabled (ICF/DD), Intermediate Care Facility for the Developmentally Disabled/Habilitative (ICF/DD-H) or Intermediate Care Facility for the Developmentally Disabled/Nursing ICF/DD-N) are reimbursed as part of the facility's daily rate and are not separately reimbursable (CCR, Title 22, Sections 51510.1, 51510.2 and 51510.3).*






*The following nutrition products are not covered by Medi-Cal:*

- *Regular food, including solid, semi-solid, blenderized and pureed foods*
- *Common household items*
- *Regular infant formula as defined in the Federal Food, Drug and Cosmetic Act (FD&C Act)*
- *Shakes, cereals, thickened products, puddings, bars, gels and other non-liquid products*
- *Thickeners*
- *Products for assistance with weight loss*
- *Vitamin and/or mineral supplements, except for pregnancy and birth up to 5 years of age (Refer to the appropriate contract drugs list section in this manual for more information).*
- *Enteral nutrition products used orally as a convenient alternative to preparing and/or consuming regular solid or pureed foods*

**Gastrointestinal - Antidiarrheal - Drugs for the stomach**

  <i>diphenoxylate &amp; atropine</i>	LOMOTIL®	2.5mg/5ml liq, 2.5mg tablet
 <i>paregoric</i>		2mg/5ml liq

**Gastrointestinal - Antiemetic - Drugs for the stomach**

  <i>prochlorperazine</i>	COMPAZINE®	5mg, 10mg tablet, 15mg cr capsule, 2.5mg, 5mg, 10mg supp, 5mg/5ml syrup
<i>aprepitant</i>	EMEND®	40mg, 80mg, 125mg, 125-80mg, 150mg vial
<i>Restriction: Restricted to highly emetic chemotherapy such as 'platinum' therapy. Allow up to 3 days per treatment.</i>		
  <i>granisetron</i>	KYTRIL®	1 mg tablet
<i>Restriction: Prior authorization required.</i>		
 <i>dronabinol</i>	MARINOL®	2.5 mg, 5 mg, 10 mg capsule
<i>Restriction: Restricted to use by KHS plan Oncologist.</i>		


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## GENERIC

## BRAND

## FORMS

**Gastrointestinal - Antiemetic - Drugs for the stomach, continued • SEE PREVIOUS PAGE**

*   promethazine	PHENERGAN®	6.25mg/5ml, 25mg/5ml syrup, 12.5mg, 25mg, 50mg tablet or supp
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*Restriction: Restricted to members > 2 years old.*

*  ondansetron	ZOFRAN®	4mg, 8mg tablet, ODT
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*Restriction: Allow up to 3 days of therapy per oncology treatment.*

**Gastrointestinal - Digestant - Drugs for the stomach**

 ursodiol	ACTIGALL®	250 mg, 500 mg tablet
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*Restriction: Prior authorization required.*

amylase, lipase, & protease	CREON®, ZENPEP®	varying strengths -capsule, tablet, chewable tablet, ec tablet
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*Restriction: Prior authorization required.*

**Gastrointestinal - H2 Antagonist - Drugs for the stomach**

*If the patient is on a PPI there is usually no advantage of also prescribing an H2 Antagonist. Some patients experiencing breakthrough symptoms at night with a morning PPI may benefit from a night dose of an H2 Antagonist. If the drugs are given at the same time it may lessen the effectiveness of the PPI. Note that the OTC H2 Antagonists require a package size of 30 or more.*

 famotidine	PEPCID®	10mg, 20mg, 40mg tablet
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 ranitidine	ZANTAC®	150mg tablet, 15mg/ml syrup
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**Gastrointestinal - Helicobacter Pylori Treatment - Drugs for the stomach**

*Preferred Therapy according to the American College of Gastroenterology, 2017, is quadruple therapy. **Quadruple Therapy** PO for 10-14 days: bismuth subsalicylate 262mg QID + metronidazole 500mg TID-QID + doxycycline 100mg BID + PPI **Concomitant Quadruple Therapy** PO for 10-14 days: clarithromycin 500 mg BID + amoxicillin 1 g BID + metronidazole 500 mg BID + PPI **Triple therapy** PO x 7-14 days: clarithromycin 500 mg bid + amoxicillin 1 g bid (or metronidazole 500 mg bid) + a PPI\**

*\*PPI's omeprazole 20 mg bid, pantoprazole 20mg bid*

**Gastrointestinal - Laxative - Drugs for the stomach**










 lactulose	CEPHULAC®	10mg/15ml syrup
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 peg-electrolyte	GO-LYTELY®	powder for soln
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 peg	MIRALAX®	powder
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GENERIC	BRAND	FORMS
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### Gastrointestinal - Miscellaneous - Drugs for the stomach

 hemorrhoidal suppository w/hydrocortisone	ANUSOL-HC®	supp
<i>Restriction: Max 2/day, and 7 days every 30 days.</i>		
 mesalamine	ASACOL®, DELZICOL®, LIALDA®	800mg er tablet, 400mg tablet, 1.2 g DR tablet
<i>Restriction: Try and fail balsalazide therapy before considering mesalamine.</i>		
 sulfasalazine	AZULFIDINE®	500mg tablet & ec tablet
 sucralfate	CARAFATE®	1gm tablet
<i>Restriction: Restricted to members with duodenal ulcer, NMT 90 days therapy.</i>		
 balsalazide	COLAZAL®	750mg capsule
 hydrocortisone enema	CORTENEMA®	100mg/60ml susp
 misoprostol	CYTOTEC®	100mg, 200mg tablet
 propantheline	PRO-BANTHINE®	15mg tablet
<i>Restriction: plan gastroenterologists only.</i>		
 metoclopramide	REGLAN®	5mg/5ml syrup, 5mg, 10mg tablet

### Gastrointestinal - Proton Pump Inhibitor - Drugs for the stomach

Proton Pump Inhibitors (PPIs) are one of the highest expense medication categories for most health plans. The Plan PPIs of choice are omeprazole and pantoprazole. Other PPIs will only be allowed with a fair trial of up to BID dosing of the preferred PPIs. Prescription strength PPIs will be allowed in order of escalating cost. It is important to guide patients with life style changes to eliminate possible causes of GERD. Long term use of PPIs in management of GERD should be used with caution. KHS offers triple therapy for the treatment of *Helicobacter Pylori* (*H. Pylori*). See *H. pylori* section. While bedtime dosing of an H2 antagonist for break through reflux may be tried, usually taking a PPI and H2 antagonist together is not clinically justified and may actually make the PPI less effective.

#### Cost of PPI per patient month to KHS

Medication	Drug Cost for 30
Omeprazole	\$4
Pantoprazole	\$5
Lansoprazole	\$19
Rabeprazole	\$19

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GENERIC	BRAND	FORMS
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Gastrointestinal - Proton Pump Inhibitor - Drugs for the stomach, continued • SEE PREVIOUS PAGE		
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<i>Non-Formulary Prescription PPIs Dexilent®</i>	<i>Monthly Additional Cost \$271</i>	<i>Annual Additional Cost \$3252</i>
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 <i>rabeprazole</i>	ACIPHEX®	20mg tablet
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*Restriction: Must fail omeprazole and pantoprazole therapy.*

 <i>esomeprazole</i>	NEXIUM 24HR (OTC)®	20mg capsule
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*Restriction: Must fail omeprazole and pantoprazole therapy.*

 <i>lansoprazole</i>	PREVACID®	30mg capsule
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*Restriction: Must fail omeprazole and pantoprazole therapy.*

 <i>omeprazole</i>	PRIOSEC®	20mg, 40 mg capsule
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 <i>pantoprazole</i>	PROTONIX®	20mg, 40mg tablet
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Hematology - Anticoagulant - Drugs for the blood		
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 <i>warfarin</i>	COUMADIN®	1 mg, 2mg, 2.5mg, 3mg, 4mg, 5mg, 6mg, 7.5mg, 10mg tablet
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<i>apixaban</i>	ELIQUIS®	2.5mg, 5mg tablet, Starter pack
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 <i>heparin</i>		1000 units/ml, 5000 units/ml, 10,000 units/ml (bovine), 1000 units/ml, 5000 units/ml, 10,000 units/ml, 20,000 units/ml, 40,000 units/ml, 100 units/ml lock flush (porcine)
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*Restriction: Lock flush billed as Medical claim.*

 <i>enoxaparin</i>	LOVENOX®	30mg/0.3ml, 40mg/0.4ml, 60mg/0.6ml, 80mg/0.8ml, 100mg/1ml, 120mg/1ml, 150mg/1ml injection
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*Restriction: Restricted to a 14 day supply. Authorization is required for additional amounts.*

<i>rivaroxaban</i>	XARELTO®	10mg, 15mg, 20mg tablet, Starter pack
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Hematology - Antiplatelet - Drugs for the blood		
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<i>anagrelide</i>	AGRYLIN®	1 mg capsule
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*Restriction: Prior authorization required.*

<i>ticagrelor</i>	BRILINTA®	60mg, 90mg tablet
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*Restriction: Prior authorization required. Available first line if written by cardiologist. Up to 12 month therapy allowed.*

Continued on next page

GENERIC	BRAND	FORMS
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### Hematology - Antiplatelet - Drugs for the blood, continued • SEE PREVIOUS PAGE

 prasugrel	EFFIENT®	5mg, 10mg tablet
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*Restriction: Prior authorization required. Available first line if written by cardiologist. Up to 12 month therapy allowed.*

  dipyridamole	PERSANTINE®	25mg, 50mg, 75mg tablet
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 clopidogrel	PLAVIX®	75mg tablet
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### Hematology - Coagulant - Drugs for the blood

 phytonadione	MEPHYTON®	5mg tablet
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### Hematology - Hematopoietic - Drugs for the blood

 darbepoetin	ARANESP®	25mcg/ml, 40mcg/ml, 60mcg/ml, 100mcg/ml and 200mcg/ml.
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  filgrastim - aafi	NIVESTYM®	300 mcg/0.5/ml, 480 mcg/0.8 ml syringe, vial
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*Restriction: Prior authorization required. Quantity and lab values required.*

  epoetin, alpha	RETACRIT®	2000 units/ml, 3000 units/ml, 4000 units/ml, 10,000 units/ml, 20,000 units/ml, 40,000 units/ml injection
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*Restriction: Restricted to patients with anemia from Zidovudine therapy or CRF. Epogen allowed for 20,000 unit/ml.*

### Hematology - Miscellaneous - Drugs for the blood

 cilostazol		50mg, 100mg tablet
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*Restriction: Restricted to members > 65 years old with intermittent claudication or diabetic of any age with intermittent claudication.*

 pentoxifylline	TRENTAL®	400mg tablet
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*Restriction: Restricted to members > 65 years old with intermittent claudication or diabetic of any age with intermittent claudication.*

### Hormone - Androgen - Drugs for hormones

danazol	DANOCRINE®	50 mg, 100 mg, 200 mg capsule
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*Restriction: Prior authorization required.*

testosterone	DEPO-TESTOSTERONE®	100mg/ml, 200mg/ml vial
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*Restriction: Prior authorization required.*

### Hormone - Antidiabetic - Amylin Analog - Drugs for diabetes

pramlintide	SYMLIN®	Pen injector
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*Restriction: Prior authorization required.*

GENERIC	BRAND	FORMS
<b>Hormone - Antidiabetic - Dipeptidyl Peptidase-4 - Drugs for diabetes</b>		
 alogliptin	NESINA®	6.25mg, 12.5mg, 25mg tablet
<i>Restriction: Restricted to members on metformin or cannot take or failed metformin. Please consider when initiating DPP-4 therapy.</i>		
linagliptin	TRADJENTA®	5mg tablet
<i>Restriction: Restricted to members adherent on metformin or cannot take or failed metformin. PA required. DPP-4 therapy is expected to use Alogliptin unless CHF contraindications exist demonstrated by supporting documentation.</i>		
<b>Hormone - Antidiabetic - Dipeptidyl Peptidase-4 - Metformin - Drugs for diabetes</b>		
 alogliptin/metformin	KAZANO®	12.5-500mg, 12.5-1000mg tablet
<i>Restriction: Restricted to members on metformin.</i>		
<b>Hormone - Antidiabetic - Dipeptidyl Peptidase-4 - Thiazolidinedione - Drugs for diabetes</b>		
 alogliptin/pioglitazone	OSENI®	12.5-15mg, 12.5-30mg, 12.5-45mg, 25-15mg, 25-30mg, 25-45mg tablet
<i>Restriction: Restricted to members on metformin or cannot take or failed metformin.</i>		
<b>Hormone - Antidiabetic Alpha-glucosidase Inhibitor - Drugs for diabetes</b>		
 acarbose	PRECOSE®	25mg, 50mg, 100 mg tablet
<i>Restriction: Restricted to endocrinologists.</i>		
<b>Hormone - Antidiabetic Biguanide - Drugs for diabetes</b>		
<i>Metformin is a valuable medication for the treatment of diabetes. A specific advantage of Metformin is that it can help minimize weight gain. Patients who try generic Metformin and have nausea may be considered for Glucophage XR®.</i>		
 metformin	GLUCOPHAGE®, GLUCOPHAGE XR®	500mg, 850mg, 1000mg tablet, 500mg cr tablet
<b>Hormone - Antidiabetic GLP-1 Agonists - Drugs for diabetes</b>		
lixisenatide	ADLYXIN®	20 mcg pen, starter
<i>Restriction: Restricted to members adherent to &gt; 90 of SGLT-2 therapy or members seen by endocrinologists with history of SGLT-2 therapy.</i>		
exenatide	BYDUREON®	2 mg vial, pen, Bcise
<i>Restriction: Restricted to members adherent to &gt; 90 of SGLT-2 therapy or members seen by endocrinologists with history of SGLT-2 therapy.</i>		
semaglutide	OZEMPIC® RYBELSUS®	3 mg, 7 mg, 14 mg tablet, 1 mg pen, starter
<i>Restriction: Restricted to members seen by endocrinologists on SGLT-2 therapy of any duration.</i>		

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GENERIC	BRAND	FORMS
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**Hormone - Antidiabetic GLP-1 Agonists - Drugs for diabetes, continued • SEE PREVIOUS PAGE**

<i>dulaglutide</i>	TRULICITY®	0.75 mg/0.5, 1.5 mg/0.5 pen
<i>Restriction: Restricted to members adherent to &gt; 90 of SGLT-2 therapy or members seen by endocrinologists with history of SGLT-2 therapy.</i>		
<i>liraglutide</i>	VICTOZA®	18 mg/1 ml pen
<i>Restriction: Restricted to members seen by endocrinologists on SGLT-2 therapy of any duration also demonstrating concurrent atherosclerotic cardiovascular disease with supporting clinical documentation.</i>		

**Hormone - Antidiabetic GLP-1 Agonists glargine combination - Drugs for diabetes**

<i>insulin glargine/lixisenatide</i>	SOLIQUA®	100-33/ml pen
<i>Restriction: Restricted to members currently on insulin glargine or GLP-1.</i>		

**Hormone - Antidiabetic Insulin - Drugs for diabetes**

*  <i>insulin lispro</i>	ADMELOG®, HUMALOG®	100 units/ml, 50-50 mix, 75-25 mix
<i>Restriction: Admelog allowed for single ingredient formulation.</i>		
* <i>insulin glulisine</i>	APIDRA®	100 units/ml
* <i>insulin glargine</i>	BASAGLAR®, TOUJEO®	100 units/ml, 300 units/ml
<i>Restriction: Toujeo therapy reserved for endocrinologist for members failing maximum dosed Basaglar.</i>		
* <i>insulin, human</i>	HUMULIN® NOVOLIN®	100 units/ml Regular, Lente, NPH, 50-50, 70-30 mix, 500 unit/ml Regular
<i>Restriction: U-500 restricted to endocrinology.</i>		
* <i>insulin detemir</i>	LEVEMIR®	100 units/ml
<i>Restriction: Restricted to adverse reactions to glargine or for use in pregnant women.</i>		
*  <i>insulin aspart</i>	NOVOLOG®	100 units/ml, 70-30 mix
* <i>insulin degludec</i>	TRESIBA®	100 units/ml, 200 units/ml
<i>Restriction: Restricted to endocrinologists.</i>		

**Hormone - Antidiabetic Meglitinide - Drugs for diabetes**

 <i>nateglinide</i>	STARLIX®	60mg, 120mg tablet
<i>Restriction: Restricted to plan endocrinologists.</i>		

**Hormone - Antidiabetic Other Agents - Drugs for diabetes**

 <i>glucagon</i>		1 mg kit
<i>Restriction: Limit 2 per dispensing, 2 dispensings per 12 months.</i>		

GENERIC	BRAND	FORMS
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**Hormone - Antidiabetic SGLT-2 Inhibitors - Drugs for diabetes**

<i>dapagliflozin</i>	FARXIGA®	5 mg, 10 mg tablet
<i>Restriction: Restricted to members adherent to &gt; 90 days of metformin therapy. PA required. Steglatro is expected for initiating SGLT-2 therapy unless demonstrating concurrent atherosclerotic cardiovascular disease with supporting clinical documentation.</i>		
<i>empagliflozin</i>	JARDIANCE®	10 mg, 25 mg tablet
<i>Restriction: Restricted to members adherent to &gt; 90 days of metformin therapy. PA required. Steglatro is expected for initiating SGLT-2 therapy unless demonstrating concurrent atherosclerotic cardiovascular disease with supporting clinical documentation.</i>		
<i>ertugliflozin</i>	STEGLATRO®	5 mg, 15 mg tablet
<i>Restriction: Restricted to members adherent to &gt; 90 days of metformin therapy. Preferred SGLT-2. Please consider when initiating SGLT-2 therapy.</i>		

**Hormone - Antidiabetic SGLT-2 Inhibitors Combination - Drugs for diabetes**

<i>ertugliflozin/metformin</i>	SEGLUROMET®	2.5-500 mg, 7.5-500 mg, 2.5-1000 mg, 7.5-1000 mg tablet
<i>Restriction: Restricted to members adherent to &gt; 90 days of metformin therapy. Preferred SGLT-2/metformin combination.</i>		
<i>empagliflozin/metformin</i>	SYNJARDY®	5mg-500mg, 5mg-1000mg, 12.5mg-500mg, 12.5mg-1000mg tablet
<i>Restriction: Restricted to members adherent to &gt; 90 days of metformin therapy. PA required. Segluromet is expected for initiating SGLT-2 therapy unless demonstrating concurrent atherosclerotic cardiovascular disease with supporting clinical documentation.</i>		
<i>dapagliflozin/metformin</i>	XIGDUO XR®	5-500 mg, 5-1000 mg, 10-500 mg, 10-1000 mg tablet
<i>Restriction: Restricted to members adherent to &gt; 90 days of metformin therapy. PA required. Segluromet is expected for initiating SGLT-2 therapy unless demonstrating concurrent atherosclerotic cardiovascular disease with supporting clinical documentation.</i>		

**Hormone - Antidiabetic Sulfonylureas - Drugs for diabetes**

 <i>glimepiride</i>	AMARYL®	1 mg, 2mg, 4mg tablet
 <i>glyburide</i>	DIABETA®	1.25mg, 2.5mg, 5mg tablet
 <i>glipizide</i>	GLUCOTROL®	5mg, 10mg tablet

**Hormone - Antidiabetic Thiazolidinedione - Drugs for diabetes**

*These agents are reserved for patients who fail or cannot take Metformin. KHS recommends using Metformin prior to “Glitazone” therapy for diabetic patients since it helps patients*

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GENERIC	BRAND	FORMS
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**Hormone - Antidiabetic Thiazolidinedione - Drugs for diabetes, continued • SEE PREVIOUS PAGE**

*minimize weight gain. Prior authorization will be considered for patients who cannot tolerate Metformin or should not take Metformin (renal patients and those over 80 years old).*

 pioglitazone	ACTOS®	15mg, 30mg, 45mg tablet
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*Restriction: Restricted to members on metformin or cannot take or have failed metformin.*

**Hormone - Anti-thyroid**

 propylthiouracil		50mg tablet
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**Hormone - Endocrine - Drugs for hormones**

  cabergoline		0.5 mg tablet
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*Restriction: Restricted to plan endocrinologists.*

 desmopressin	DDAVP®	0.1mg, 0.2mg tablet
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*Restriction: Prior authorization required. Not covered for enuresis.*

 bromocriptine	PARLODEL®	2.5 mg tablet, 5 mg capsule
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*Restriction: Restricted to patients with amenorrhea, galactorrhea, or acromegaly.*

 cinacalcet	SENSIPAR®	30 mg, 60 mg, 90 mg, tablet
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*Restriction: Prior authorization required.*

**Hormone - Estrogen - Androgen - Drugs for hormones**

  esterified estrogens & methyltestosterone	ESTRATEST®	6.25mg-1.2mg, 1.25mg-2.5mg tablet
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**Hormone - Estrogen - Drugs for hormones**

 estradiol	ESTRACE®	0.5mg, 1 mg, 2mg tablet
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 estrogens, conjugated	PREMARIN®	0.3mg, 0.45mg, 0.625mg, 0.9mg, 1.25mg, 2.5mg tablet
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**Hormone - Estrogen - Progestin - Drugs for hormones**














 estrogen, conjugated & medroxyprogesterone	PREMPHASE®	0.625mg Estrogen (14) & 0.625mg-5mg Estrogen-Medroxyprogesterone (14) tablet
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 estrogen, conjugated & medroxyprogesterone	PREMPRO®	0.625mg-5mg, 0.3mg-1.5 mg, 0.45mg-1.5 mg tablet
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**Hormone - Glucocorticoid - Drugs for hormones**

 dexamethasone	DECADRON®	0.5mg, 0.75mg, 1mg, 1.5mg, 2mg, 4mg, 6mg tablet
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GENERIC	BRAND	FORMS
<b>Hormone - Glucocorticoid - Drugs for hormones, continued • SEE PREVIOUS PAGE</b>		
 flurocortisone	FLORINEF®	0.1 mg tablet
 hydrocortisone		5mg, 10mg, 20mg tablet, 25mg supp, 100mg/60ml enema
  methylprednisolone	MEDROL®	4mg tablet in dosepack
  prednisone		1 mg/1 ml oral soln or syrup, 5mg/ml conc, 1 mg, 2.5mg, 5mg, 10mg, 20mg, 25mg, 50mg tablet 5mg, 10mg dose pack
  prednisolone	PRELONE®	5mg/5ml, 6.7mg/5ml, 15mg/5ml soln, 5mg tablet
<b>Hormone - Oxytocic - Drugs for hormones</b>		
<i>methylergonovine</i>	METHERGINE®	0.2mg tablet
<b>Hormone - Progestin - Drugs for hormones</b>		
<i>progesterone miconized</i>	CRINONE®	4%, 8% vaginal gel
<i>Restriction: Restricted to plan OB/GYN.</i>		
<i>leuprolide/norethindrone</i>	LUPANETA®	3.75-5 mg, 11.25-5 mg syringe-tab
<i>Restriction: Prior authorization required.</i>		
 <i>hydroxyprogesterone caproate</i>	MAKENA®	250mg/ml
<i>Restriction: Prior authorization required--FDA indication only for singleton pregnancies. Not FDA indicated for incompetent cervix.</i>		
<i>elagolix</i>	ORILISSA®	150 mg, 200 mg tablet
<i>Restriction: Prior authorization required.</i>		
 <i>medroxyprogesterone</i>	PROVERA®, DEPO-PROVERA®	2.5mg, 10mg tablet, 150mg/ml depo injection
<i>Restriction: Depo-Provera® allowed for maximum of 24 months.</i>		
<b>Hormone - Thyroid</b>		
  <i>thyroid--desiccated</i>	ARMOUR®	15mg, 30mg, 60mg, 90mg, 120mg, 180mg, 240mg, 300mg tablet
<i>Restriction: Plan endocrinologists. Prior authorization required.</i>		
 <i>liothyronine</i>	CYTOMEL®	5 mcg, 25 mcg, 50 mcg tablet
<i>Restriction: Prior authorization required.</i>		

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GENERIC	BRAND	FORMS
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**Hormone - Thyroid, continued • SEE PREVIOUS PAGE**

 levothyroxine	LEVOXYL®	0.025mg, 0.05mg, 0.075mg, 0.088mg, 0.1mg, 0.112mg, 0.125mg, 0.137mg, 0.15mg, 0.175mg, 0.2mg, 0.3mg tablet
 methimazole	TAPAZOLE®	5mg, 10mg tablet

**Immunosuppressant -Drugs for the immune system**

  azathioprine	IMURAN®	50mg tablet
  cyclosporine, microemulsion	NEORAL®	25mg, 100mg capsule
  tacrolimus	PROGRAF®	0.5mg, 1mg, 5 mg capsule

*Restriction: Prior authorization required.*

 everolimus	ZORTRESS®	0.25mg, 0.5mg, 0.75mg tablet
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*Restriction: Prior authorization required.*

**Intravenous Solutions**

*The following intravenous solutions are available to plan members. These solutions are covered under per diem arrangements and typically not billed through the PBM. Authorization is required to coordinate with the infusion services and centers.*

 antibacterial/antifungal agents		various
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*Restriction: Prior authorization required. Bill per diem.*

 electrolyte maintenance		various
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*Restriction: Prior authorization required. Bill per diem.*

 intravenous lipids		various
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*Restriction: Prior authorization required. Bill per diem.*

 iv solutions: dextrose-water, dextrose-saline, dextrose and lactated ringer's		various
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*Restriction: Prior authorization required. Bill per diem.*

 parenteral amino acid solutions and combinations		various
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*Restriction: Prior authorization required. Bill per diem.*

Continued on next page

GENERIC	BRAND	FORMS
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**Intravenous Solutions, continued • SEE PREVIOUS PAGE**

 potassium replacement		various
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*Restriction: Prior authorization required. Bill per diem.*

 protein replacement		various
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*Restriction: Prior authorization required. Bill per diem.*

 sodium and saline preparations		various
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*Restriction: Prior authorization required. Bill per diem.*

**Muscle Relaxant**

*Methocarbamol (Robaxin®) and Diazepam (Valium®) can be habituating and should be given with caution to patients with abuse potential. Diazepam is restricted to patients with cerebral palsy or severe spinal column injury. Diazepam is limited to 90 days' supply and 10mg daily maximum dose without prior authorization. Limited to FDA maximum daily dosing guidelines.*

**Caution in use with combination with opioids.** FDA and other professional societies provide guidance statements of the usefulness of muscle relaxants for short periods of time, typically 2-3 weeks. Beyond that the effectiveness seems to diminish. The plan will allow up to 90 days of antispasmodics. Medications treating spasticity will not have this limitation.

 baclofen		10mg, 20mg tablet
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  cyclobenzaprine		10mg tablet
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*Restriction: Restricted to 90 days therapy.*

  methocarbamol	ROBAXIN®	500mg, 750mg tablet
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*Restriction: Restricted to 90 days therapy.*

  diazepam	VALIUM®	2mg, 5mg, 10mg tablet
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*Restriction: Restricted to 90 days therapy and 10mg maximum daily dose.*

 tizanidine	ZANAFLEX®	2 mg, 4 mg tablet
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**NSAID - Acetic Acids - Drugs for pain**

 sulindac	CLINORIL®	150mg, 200mg tablet
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*Restriction: Restricted to members with RA.*

 indomethacin	INDOCIN®	25mg, 50mg capsule
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 diclofenac na	VOLTAREN®	50mg, 75mg ec tablet
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*Restriction: Restricted to members with RA.*

## GENERIC

## BRAND

## FORMS

**NSAID - COX-2 Agents - Drugs for pain**

*Celecoxib (Celebrex®) is allowed without prior authorization for patients over the age of 65 or who are currently taking Warfarin (Coumadin®). Other indications require prior authorization. Only one daily is allowed - Celebrex® 100mg or 200mg. KHS requires that patients start at the lowest dose possible. Patients who fail a reasonable trial of two other Formulary NSAIDs will be considered for a COX-2 agent.*

*Effectiveness: COX-2 medications are not more effective than other NSAIDs. NSAIDs cannot provide an unlimited amount of pain relief. While NSAIDs do provide pain relief and have anti-inflammatory ability, they do not alter the course of arthritis or prevent joint destruction.*

*Safety: COX-2 medications are not risk free. Data does seem to reflect a lower incidence of GI toxicity but that may be diminished by concurrent aspirin therapy.*

*Vioxx® had been allowed by the FDA to add to their product insert a statement of safety for GI problems. Celebrex® was denied a similar request. Adding another NSAID such as aspirin to COX-2 therapy will probably increase risk. (CLASS Study)*

***COX-2 agents have renal liability as other NSAIDs. This risk may be less, but there is some potential for renal problems. These drugs can cause sodium and fluid retention like other NSAIDs. Cardiovascular safety with COX-2 drugs is being questioned.***

 celecoxib	CELEBREX®	100mg, 200mg capsule
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*Restriction: Restricted to members > 65 years old or members on warfarin. Limited to one dose daily. Members not at risk are required to fail two other Formulary NSAIDs first. Other members and doses require prior authorization.*

**NSAID - Other - Drugs for pain**

 nabumetone	RELAFEN®	500mg, 750mg tablet
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**NSAID - Oxicam - Drugs for pain**

 meloxicam	MOBIC®	7.5mg, 15mg tablet
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**NSAID - Propionic Acids - Drugs for pain**

 ibuprofen	MOTRIN®	100mg/5ml susp, 400mg, 600mg, 800mg tablet
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*Restriction: FDA does not recommend in children < 6 months.*

 naproxen	NAPROSYN®	125mg/5ml susp, 250mg, 375mg, 500mg tablet
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 ketoprofen	ORUDIS®	25mg, 50mg, 75mg capsule
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*Restriction: Restricted to members with RA.*

**NSAID - Salicylate - Drugs for pain**




 salsalate	DISALCID®	500mg capsule, tablet or cr tablet, 750mg tablet
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GENERIC	BRAND	FORMS
<b>Ophthalmic - Anesthetic - Drugs for the eyes</b>		
 <i>proparacaine</i>		0.5% ophth soln
<i>Restriction: Prior authorization required.</i>		
<b>Ophthalmic - Anti-fungal - Drugs for the eyes</b>		
 <i>natamycin</i>	NATACYN®	5% ophth susp
<b>Ophthalmic - Antihistamine - Drugs for the eyes</b>		
 <i>azelastine ophth soln</i>	OPTIVAR®	0.05% ophth soln
<i>Restriction: Trial and failure of Zaditor required.</i>		
 <i>olopatadine</i>	PATANOL®	0.1% ophth soln
<i>Restriction: Restricted to plan ophthalmologists only.</i>		
<b>Ophthalmic - Anti-infective - Drugs for the eyes</b>		
 <i>bacitracin</i>		ophth oint
<i>besifloxacin</i>	BESIVANCE®	0.6% ophth susp
<i>Restriction: Patients must have recently failed first line ophth antibiotics. Allow 1st line for ophthalmologists.</i>		
 <i>ciprofloxacin</i>	CILOXAN®	0.3% ophth soln
 <i>gentamicin</i>	GARAMYCIN®	0.3% ophth oint & soln
 <i>erythromycin</i>	ILOTYCIN®	0.5% ophth oint
 <i>neomycin, bacitracin &amp; polymyxin</i>	NEO-POLYCIN®	3.5mg-400 units (or 500 units)-10000 units ophth oint
 <i>neomycin, polymyxin &amp; gramicidin</i>	NEOSPORIN®	ophth soln
 <i>ofloxacin</i>	OCUFLOX®	0.3% ophth soln
 <i>bacitracin &amp; polymyxin</i>	POLYSPORIN®	ophth oint
 <i>polymyxin &amp; trimethaprim</i>	POLYTRIM®	ophth soln
 <i>sodium sulfacetamide</i>	SULAMYD®	10% ophth soln & oint
 <i>tobramycin</i>	TOBEX®	0.3% ophth soln

GENERIC	BRAND	FORMS
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**Ophthalmic - Anti-infective - Glucocorticoid - Drugs for the eyes**

 neomycin, polymyxin & dexamethasone	MAXITROL®	ophth susp, ophth oint
 neomycin, polymyxin & prednisolone	POLY-PRED®	ophth susp
 tobramycin & dexamethasone	TOBRADEX®	0.3%-0.1% ophth susp


*Restriction: Consider second line to neomycin/steroid preparations.*

**Ophthalmic - Anti-viral - Drugs for the eyes**









 trifluridine	VIROPTIC®	1% ophth soln
 ganciclovir	ZIRGAN®	0.15% gel

*Restriction: Restricted to plan ophthalmologists only.*



**Ophthalmic - Glaucoma - Drugs for the eyes**

 brimonidine	ALPHAGAN® ALPHAGAN P®	0.2% ophth soln
 brinzolamide	AZOPT®	1% ophth susp

*Restriction: Prior authorization required.*

 levobunolol	BETAGAN®	0.25% ophth soln
 betaxolol	BETOPIC®	0.25%, 0.5% ophth soln or susp
 brimonidine tartrate/timolol	COMBIGAN®	0.2%-0.5% ophth drops
 dorzolamide/timolol	COSOPT®	2%-0.5% ophth drops
 acetazolamide	DIAMOX®	125mg, 250mg tablet, 500mg cr capsule
 pilocarpine	ISOPTO-CARPINE®	1%, 2%, 4% ophth soln
 scopolamine	ISOPTO-HYOSINE®	0.25% ophth soln
 bimatoprost	LUMIGAN®	0.01%, 0.03% ophth soln




*Restriction: Limited to 2.5ml size only. 1 bottle per dispensing.*

 methazolamide	NEPTAZANE®	25mg, 50 mg tablet
 metipranolol	OPTIPRANOLOL®	0.3% ophth soln



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GENERIC	BRAND	FORMS
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**Ophthalmic - Glaucoma - Drugs for the eyes, continued • SEE PREVIOUS PAGE**

 <i>timolol</i>	TIMOPTIC®	0.25%, 0.5% ophth soln
 <i>dorzolamide</i>	TRUSOPT®	2% ophth soln
 <i>latanoprost</i>	XALATAN®	0.005% ophth soln



**Ophthalmic - Glucocorticoid - Drugs for the eyes**

<i>difluprednate</i>	DUREZOL®	0.05% ophth susp
<i>Restriction: Restricted to plan ophthalmologists only.</i>		
 <i>fluorometholone</i>	FML®	0.1%, 0.25% ophth susp
<i>loteprednol</i>	LOTEMAX®	0.5% ophth susp
<i>Restriction: Prior authorization required.</i>		
 <i>prednisolone</i>	PRED MILD®, PRED FORTE®	0.12%, 1% ophth susp



**Ophthalmic - Miscellaneous - Drugs for the eyes**

 <i>cromolyn</i>	CROLOM®	4% ophth drops
 <i>sodium chloride</i>	MURO® (128)	2% ophth soln, 5% ophth oint or soln
 <i>cyclosporine</i>	RESTASIS®	0.05% ophth emulsion
<i>Restriction: Prior authorization required.</i>		

**Ophthalmic - Mydriatic - Drugs for the eyes**

 <i>cyclopentolate</i>	CYCLOGYL®	0.5%, 1%, 2% ophth soln
 <i>atropine</i>	ISOPTO-ATROPINE®	1% ophth soln
<i>homatropine</i>	ISOPTO-HOMATROPINE®	2%, 5% ophth soln

**Ophthalmic - NSAID - Drugs for the eyes**

 <i>ketorolac</i>	ACULAR®, ACULAR LS	0.4%, 0.5% ophth soln
<i>Restriction: Restricted to plan ophthalmologist only.</i>		
<i>nepafanac</i>	NEVANAC®	0.1% ophth susp
<i>Restriction: Restricted to plan ophthalmologist only.</i>		
 <i>diclofenac</i>	VOLTAREN®	0.1% ophth drops













GENERIC	BRAND	FORMS
<b>Oral Contraceptive - Biphasic - Drugs for women</b>		
 <i>desogestrel &amp; ethinyl estradiol</i>	MIRCETTE®	0.15mg/20mcg (21), 10mcg (7) tablet
 <i>norethindrone &amp; ethinyl estradiol</i>	ORTHO-NOVUM 10/11®	0.5mg-35mcg (10), 1mg-35mcg (11) tablet
 <i>norethindrone &amp; ethinyl estradiol</i>	ORTHO-NOVUM 7/14®	0.5mg-35mcg (7), 1mg-35mcg(14) tablet
<b>Oral Contraceptive - Drugs for women</b>		
 <i>levonorgestrel &amp; ethinyl estradiol</i>	ALESSE®	0.1mg-20mcg tablet
 <i>ethynodiol &amp; ethinyl estradiol</i>	DEMULEN®	1mg-35mcg tablet
 <i>desogestrel &amp; ethinyl estradiol</i>	DESOGEN®	0.15mg-30mcg tablet
 <i>levonorgestrel &amp; ethinyl estradiol</i>	LEVLEN®	0.15mg-30mcg tablet
 <i>norgestrel &amp; ethinyl estradiol</i>	LO-OVRAL®	0.3mg-30mcg tablet
 <i>norethindrone acetate &amp; ethinyl estradiol</i>	LOESTRIN 1.5/30®, 1.5/30 FE®	1.5mg-30mcg tablet, 1.5mg-30mcg w/iron tablet
 <i>norethindrone acetate &amp; ethinyl estradiol</i>	LOESTRIN 1/20®, 1/20 FE®, LO LOESTRIN FE®	1mg-20mcg, 1mg-20mcg, 1mg-10mcg w/iron tablet
<i>Restriction: Lo Loestrin prior authorization required.</i>		
 <i>norethindrone acetate &amp; ethinyl estradiol</i>	NORLESTRIN 1/50®, 1/50 FE®	1mg-50mcg tablet, 1mg-50mcg w/iron tablet
 <i>norgestimate &amp; ethinyl estradiol</i>	ORTHO-CYCLEN®	0.25mg-35mcg tablet
 <i>norethindrone &amp; ethinyl estradiol</i>	ORTHO-NOVUM 1/35®, DEMULEN 1/50®	35mcg-1mg, 50mcg-1mg tablet
 <i>norethindrone &amp; mestranol</i>	ORTHO-NOVUM 1/50®	1mg-50mcg tablet
 <i>norgestrel &amp; ethinyl estradiol</i>	OVRAL®	0.5mg-50mcg tablet
 <i>drospirenone &amp; ethinyl estradiol</i>	YASMIN®, YAZ®	0.03-3mg, 0.02-3mg tablet
<i>Restriction: Prior authorization required.</i>		
<b>Oral Contraceptive - Progestin Only - Drugs for women</b>		
 <i>norethindrone</i>	MICRONOR®	0.35mg tablet
<i>levonorgestrel</i>	PLAN B ONE STEP®	1.5 mg tablet

*Restriction: Maximum of 2 fills in 30 days.*

 Generic Available

 Should be avoided in the elderly

 Bill to Medicare Part B

GENERIC	BRAND	FORMS
<b>Oral Contraceptive - Triphasic - Drugs for women</b>		
<i>norethindrone &amp; ethinyl estradiol</i>	ESTROSTEP®	1 mg-20mcg(5), 1 mg-30mcg(7), 1 mg-35mcg(9) tablet
 <i>norethindrone &amp; ethinyl estradiol</i>	ORTHO-NOVUM 7/7/7®	0.5mg-35mcg(7), 0.75mg-35mcg(7), 1 mg-35mcg(7) tablet
 <i>norgestimate &amp; ethinyl estradiol</i>	ORTHO-TRICYCLEN LO®	0.18mg-25mcg/0.215mg-25mcmg/0.25mg-25mcg tablet
 <i>norgestimate &amp; ethinyl estradiol</i>	ORTHO-TRICYCLEN®	0.18mg-35mcg/0.215mg-35mcmg/0.25mg-35mcg tablet
 <i>levonorgestrel &amp; ethinyl estradiol</i>	TRIPHASIL®	0.05mg-30mcg, 0.075mg-40mcg, 0.125mg-30mcg tablet
<b>Osteoporosis Drugs for bone loss</b>		
 <i>risedronate</i>	ACTONEL®	35 mg tablet
<i>Restriction: Prior authorization required.</i>		
 <i>alendronate</i>	FOSAMAX®	35mg, 70mg weekly tablet only
<i>Restriction: Restricted to members &gt; 61 years old or having T-score &lt; - 2.5.</i>		
 <i>calcitonin-salmon</i>	MIACALCIN®	200unit/spray
<i>Restriction: Allowed for osteoporosis failing bisphosphonates.</i>		
<b>Otic - Drugs for the ears</b>		
 <i>hydrocortisone &amp; acetic acid</i>	ACETASOL HC®	otic soln
<i>ciprofloxacin- dexamethasone</i>	CIPRODEX®	0.3%-0.4% otic susp
<i>Restriction: Restricted to plan ENT providers. If the patient recently failed Cortisporin® or Floxin® Otic, consideration will be given to a prior authorization request.</i>		
 <i>neomycin, polymyxin &amp; hydrocortisone</i>	CORTISPORIN®	otic susp
 <i>ofloxacin</i>	FLOXIN® OTIC	0.3% otic soln
<i>Restriction: Restricted to 5 mls per dispensing.</i>		
<b>Rescue Agents - Antidotes</b>		
<i>succimer</i>	CHEMET®	100mg capsule
 <i>epinephrine</i>		0.15mg/0.3, 0.3mg/0.3 auto injection
 <i>leucovorin</i>		5mg, 25mg tablet

## GENERIC

## BRAND

## FORMS

**Respiratory - Antihistamine - Antitussive - Decongestant - Drugs for the lungs**

 pseudoephedrine, chlorpheniramine & dextromethorphan	CARDEC-DM®	15mg-12.5mg-4mg syrup
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*Restriction: Only for patients < 6 years old.*

  phenylephrine, promethazine & codeine	PHENERGAN-VC CODEINE®	5mg-6.25mg-10mg/5ml syrup
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*Restriction: Only for patients > 18 years old. Plan allows maximum 240 mls per 30 days, 3 fills per 12 months.*

**Respiratory - Antihistamine - Antitussive - Drugs for the lungs**

 promethazine & dextromethorphan	PHENERGAN DM®	6.25mg-15mg/5ml syrup
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*Restriction: Only for patients > 2 years old.*

  promethazine & codeine	PHENERGAN W/CODEINE®	6.25mg-10mg/5ml syrup
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*Restriction: Only for patients > 18 years old. Plan allows maximum 240 mls per 30 days, 3 fills per 12 months.*

**Respiratory - Antihistamine - Decongestant - Drugs for the lungs**

 promethazine & phenylephrine	PHENERGAN-VC®	6.25mg-5mg/5ml syrup
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*Restriction: Only for patients > 2 years old.*

**Respiratory - Antihistamine - Drugs for the lungs**

*1st generation antihistamines are considered to be more effective than the later generations. National guidelines suggest better outcomes with treatment with nasal steroids as opposed to antihistamines.*

*The FDA recommends not to use antihistamines and cough preparations in individuals less than 2 years of age.*

*Allergic Rhinitis adult patients are recommended to be treated with Nasal Steroids.*

  hydroxyzine	ATARAX®	10mg/5ml syrup, 10mg, 25mg, 50mg tablet, 25mg, 50mg capsule
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**Respiratory - Antiserotonin - Drugs for the lungs**

  cyproheptadine	PERIACTIN®	2mg/5ml syrup, 4mg tablet
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GENERIC	BRAND	FORMS
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### Respiratory - Antitussive - Drugs for the lungs

 saturated soln of potassium iodide	SSKI®	1g/ml soln
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*Restriction: Prior authorization required.*

 benzonatate	TESSALON®	100mg perles
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*Restriction: Prior authorization required.*

### Respiratory - Antitussive - Expectorant - Drugs for the lungs

 codeine & guaifenesin	ROBITUSSIN AC®	10mg-100mg/5ml soln or syrup
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*Restriction: Only for patients > 18 years old. Plan allows maximum 240 mls per 30 days, 3 fills per 12 months.*

 codeine, guaifenesin, pseudoephedrine	ROBITUSSIN DAC®	10mg-100mg-30mg/5ml syrup
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*Restriction: Only for patients > 18 years old. Plan allows maximum 240 mls per 30 days, 3 fills per 12 months.*

### Respiratory - Asthma - Drugs for the lungs

*There are National Guidelines for treating Asthma. KHS has a Pocket Guide for Asthma Management and Prevention available. Some of the tables in that text are in the Formulary. Asthma is a chronic inflammatory disease. It is important to remember this inflammatory process and that the inhaled steroids are recommended to be the second step in treatment. Please review the step tables of Asthma Treatment at the end of this Formulary. Spacers (Aerochambers®), with or without masks, and peak flow meters are available by prescription. Preference for referrals for low or non-sedating antihistamines will be given to asthma patients.*

### Respiratory - Asthma - Step 1 -Short Acting Bronchodilator - Drugs for the lungs

 albuterol		0.083% & 0.5% inh soln, 2mg/5ml syrup
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*Restriction: Individual nebulized vial limited to 360 mls per month, the concentrated nebulized solution limited to 60 mls.*

terbutaline	BRETHINE®	2.5mg, 5mg tablet
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 albuterol hfa	VENTOLIN HFA®, PROAIR HFA®, PROVENTIL HFA®	90 mcg/dose MDI
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*Restriction: NMT 2 inhalers in 30 days or greater than 3 consecutive months without an inhaled steroid.*

### Respiratory - Asthma - Step 2 -Glucocorticoid - Drugs for the lungs

flunisolide	AEROSPAN®	80mcg/dose MDI
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fluticasone propionate	ARMONAIR RESPICLICK®	55 mcg, 113 mcg, 232 mcg breath activated device
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fluticasone furoate	ARNUITY ELLIPTA®	50 mcg, 100 mcg, 200 mcg breath activated device
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*Preferred fluticasone inhalation product.*

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GENERIC	BRAND	FORMS
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**Respiratory - Asthma - Step 2 -Glucocorticoid - Drugs for the lungs, continued • SEE PREVIOUS PAGE**



<i>fluticasone</i>	FLOVENT HFA®	44mcg, 110mcg, 220mcg/dose MDI, 50 mcg, 100mcg, 250mcg/dose breath activated device
*  <i>budesonide</i>	PULMICORT®	90mcg/dose, 180mcg/dose breath activated device, 0.25mg/2ml, 0.5mg/2ml inh susp

*Restriction: 0.25mg nebulizer susp is restricted to once daily dosing. Doses of 0.25 BID are required to fail 0.5mg once daily. Allowed in members < 5 years old.*

<i>beclomethasone</i>	QVAR REDHALER®	40mcg/dose, 80mcg/dose MDI
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**Respiratory - Asthma - Step 3 - Antileukotriene - (Step 2 Alternative) - Drugs for the lungs**


*Restricted to members with asthma--requires member to be on a beta-agonist mdi. Inhaled steroids should be considered for second line (Step 2) treatment before antileukotriene. Allowed for children < 5 years old as Step 2. Not authorized for allergic rhinitis by plan. Prior authorization not required by ENT.*

 <i>zafirlukast</i>	ACCOLATE®	10mg, 20mg tablet
 <i>montelukast</i>	SINGULAIR®	4 mg, 5 mg chewable tablet, 10 mg tablet

**Respiratory - Asthma - Steps 3 & 4 - ICS/Long Acting Bronchodilator - Drugs for the lungs**

 <i>fluticasone/salmeterol</i>	ADVAIR®, Wixela Inhub®, AIRDUO®	100/50 mcg, 250/50 mcg, 500/50 mcg breath activated device, 45/21 mcg, 115/21 mcg, 230/21 mcg HFA; 55-14 mcg, 113-14 mcg, 232-14 mcg inhalation
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*Restriction: Restricted to patients failing a 30-day trial of inhaled steroids alone (see National Asthma Guidelines). Consider generic AirDuo® for asthma management; Wixela Inhub for COPD. HFA, prior authorization required.*

 <i>budesonide/formoterol</i>	SYMBICORT®	80/4.5 mcg, 160/4.5 mcg inhaler
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*Restriction: Restricted to patients failing a 30-day trial of inhaled steroids alone (see National Asthma Guidelines). Consider generic AirDuo® for asthma management; Wixela Inhub for COPD.*









**Respiratory - Asthma Device**

* <i>monitoring device</i>	PEAK FLOW METER	
<i>Restriction: \$35 max per unit.</i>		
* <i>spacer device</i>		With or without mask

*Restriction: Spacers with a mask are available to members under < 6 years old. Please make sure of the fit for the spacers with masks. \$35 max per unit without mask. \$50 max per unit with mask.*

**Respiratory - COPD - Anticholinergic bronchodilator - Drugs for the lungs**

*  <i>ipratropium</i>	ATROVENT HFA®	18mcg/dose MDI, 0.02% inhalation soln
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GENERIC	BRAND	FORMS
<b>Respiratory - COPD - Anticholinergic Bronchodilator Combination - Drugs for the lungs</b>		
*  ipratropium- albuterol respimat	COMBIVENT RESPIMAT®	18mcg-90mcg/spray MDI
  ipratropium - albuterol		0.5-3mg/3ml inhalation soln
<b>Respiratory - COPD - Anticholinergic Bronchodilator Long Acting - Drugs for the lungs</b>		
umeclidinium	INCRUSE ELLIPTA®	62.5mcg inhalation tablet
tiotropium bromide	SPIRIVA® SPIRIVA RESPIMAT®	18 mcg inhalation capsule, 1.25mcg, 2.5 mcg Respimat
<b>Respiratory - COPD - Anticholinergic Bronchodilator Long Acting Combination - Drugs for the lungs</b>		
umeclidinium - vilanterol	ANORO ELLIPTA®	62.5-25 mcg MDI
tiotropium bromide - olodaterol	STIOLTO RESPIMAT®	2.5-2.5 mcg breath activated device
<b>Respiratory - COPD - Long Acting Anticholinergic - Long Acting Bronchodilator - ICS Combination - Drugs for the lungs</b>		
fluticasone - umeclidinium - vilanterol	TRELEGY ELLIPTA®	100-62.5-25 mcg breath activated device
<i>Restriction: Long acting cholinergic/bronchodilator or ICS/bronchodilator required first.</i>		
<b>Respiratory - Mast Cell Stabilizer - Drugs for the lungs</b>		
*  cromolyn	INTAL®	20mg/2ml inhalation soln
<b>Respiratory - Mucolytic - Drugs for the lungs</b>		
*  acetylcysteine	MUCOMYST®	10%, 20% soln
<b>Respiratory - Nasal Antihistamine - Drugs for the lungs</b>		
 azelastine	ASTELIN®	137 mcg/spray
<i>Restriction: Trial and failure of nasal steroids required.</i>		
<b>Respiratory - Nasal Glucocorticoids - Drugs for the lungs</b>		
<i>Nasal Steroids are recommended for the initial treatment of allergic rhinitis. For patients over 12 years of age it is required they fail a 30 day trial of nasal steroids before a prior authorization of non-sedating antihistamines will be approved. Plan requires <b>generic nasal steroids</b> to be used first. Nasonex will be allowed for individuals between the ages of 2-4 as first line.</i>		
 fluticasone	FLONASE®	50 mcg/spray
 flunisolide		25 mcg/spray

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## GENERIC

## BRAND

## FORMS

**Respiratory - Nasal Glucocorticoids - Drugs for the lungs, continued • SEE PREVIOUS PAGE**

 mometasone	NASONEX®	50mcg/spray
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*Restriction: Allowed as first line for members age 2-4 years old.*

**Respiratory - Xanthine - Drugs for the lungs**

 theophylline	THEODUR, UNIPHYL®	80mg/15ml, 100mg, 200mg, 300mg, 400mg cr capsule, 100mg, 200mg, 300mg, 400mg, 450mg cr tablet
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**Topical - Acne - Drugs for the skin**

 tretinoin	RETIN-A®	0.025%, 0.05%, 0.1% cream
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*Restriction: Restricted to plan dermatologists. 20g maximum. Secondary to trial and failure of Differin 0.1% gel OTC.*

**Topical - Anesthetic - Drugs for pain**

 viscous lidocaine	XYLOCAINE®	2% gel
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*Restriction: Restricted to 100ml every 30 days.*

**Topical - Antifungal - Drugs for infection**

 terbinafine	LAMISIL®	1% cream
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*Restriction: Restricted to members who have recently failed first line agents (Clotrimazole, Miconazole).*

 nystatin	MYCOSTATIN®	100,000 units/gm cream & oint, powder
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ketoconazole	NIZORAL AD®	1% OTC, 2% shampoo
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 ketoconazole	NIZORAL®	2% cream
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oxiconazole	OXISTAT®	1% cream
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*Restriction: Prior authorization required.*

 econazole	SPECTAZOLE®	1% cream
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*Restriction: Restricted to members who have recently failed first line agents (Clotrimazole, Miconazole).*

**Topical - Anti-infective - Drugs for infection**












 mupirocin	BACTROBAN®	2% oint
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*Efficacy of decolonization in preventing re-infection or transmission in the outpatient setting is not documented, and NOT routinely recommended. Consultation with an infectious disease specialist is recommended before eradication of colonization is initiated. Plan allows 1 tube per dispensing per infectious episode.*

 clindamycin	CLEOCIN-T®	1% soln, gel
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 erythromycin		2% soln
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GENERIC	BRAND	FORMS
<b>Topical - Anti-infective - Drugs for infection, continued • SEE PREVIOUS PAGE</b>		
 selenium	SELSUN®	2.5% shampoo
 silver sulfadiazine	SILVADENE®	1% cream
<b>Topical - Antineoplastic - Drugs for cancer</b>		
fluorouracil	EFUDEX®	1%, 5% cream, 2%, 5% soln
<b>Topical - Antiviral - Drugs for infection</b>		
 imiquimod	ALDARA®	5% cream <i>Restriction: 12 packets per 30 days. Preferred for genital warts.</i>
 podofilox	CONDYLOX®	0.5% soln <i>Restriction: Consider second line to imiquimod.</i>
<b>Topical - Contraceptive - Drugs for women</b>		
diaphragm		
 etonogestrel/ethinyl estradiol	NUVARING®	0.12-0.15 mg vaginal ring
norelgestromin- ethinyl estradiol	XULANE®	150mcg/20mcg/day patch <i>Restriction: Plan does not cover replacement patches. Limited to 3 patches/28 days or 6 patches/56 days.</i>
<b>Topical - Enzymes</b>		
hyaluronidase		various <i>Restriction: Used for skin test, dehydration, dispersion/absorption enhancement of injected drugs.</i>
<b>Topical - Estrogens- Drugs for women</b>		
 estradiol	CLIMARA®, VIVELLE®	Biweekly- 0.025mg, 0.0375mg, 0.075mg, 0.1mg patch Weekly- 0.025mg, 0.05mg, 0.06mg, 0.075mg, 0.1mg patch
<b>Topical - Glucocorticoid a Low Potency - Drugs for the skin</b>		
 flurandrenolide	CORDRAN®	0.05% cream, oint, lotion
 hydrocortisone		0.5%, 1% cream, 2.5% cream, oint & lotion are also available OTC
 triamcinolone	KENALOG®	0.025% cream, oint, lotion
 fluocinolone	SYNALAR®	0.01%, 0.025% cream, 0.01% soln
 betamethasone	VALISONE®	0.05% cream, oint, lotion, 0.1% cream, 0.1% oint, 0.05%, 0.1% lotion

GENERIC	BRAND	FORMS
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**Topical - Glucocorticoid b Medium Potency - Drugs for the skin**

 mometasone	ELOCON®	0.1% cream, oint, lotion
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*Restriction: Prior authorization required.*

 triamcinolone	KENALOG®	0.1% cream, oint, lotion
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**Topical - Glucocorticoid c High Potency - Drugs for the skin**

 betamethasone dipropionate	DIPROSONE®	0.05% cream, oint
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 triamcinolone	KENALOG®	0.5% cream, oint
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 fluocinonide	LIDEX®	0.05% cream, oint, soln, gel
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 clobetasol	TEMOVATE®	0.05% cream, oint, soln, lotion
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*Restriction: Prior authorization required.*

**Topical - Miscellaneous - Drugs for the skin**

 acetic acid		0.25% soln
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 calcipotriene	DOVONEX®	0.005% cream
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*Restriction: Member needs to fail topical steroids (triamcinolone, betamethasone). 120g maximum.*

 anthralin	DRITHOCREME HP®	1% cream
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  sodium chloride		0.9% soln
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**Topical - Scabicide - Drugs for infection**

 permethrin	ELIMITE®	5% cream
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*Restriction: Prior authorization required.*

crotamiton	EURAX®	10% cream and lotion
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*Restriction: Prior authorization required.*

**Urinary Tract - Drugs for bladder**

 oxybutynin	DITROPAN®	5mg tablet
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 pentosan	ELMIRON®	100mg capsule
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 phenazopyridine	PYRIDIUM®	100 mg, 200 mg tablet
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*Restriction: Maximum therapy allowed is three days.*

## GENERIC

## BRAND

## FORMS

**Vaccines - Immune Globulin**

*Vaccines play an important part in enhancing one's health. The plan allows the following vaccines without authorization. As many of these are covered under the Vaccines For Children program, the ingredient cost is carved out from the plan. They should be billed to the VFC program. Extensive documentation is required for reporting to the California Immunization Registry (CAIR), member consent, and provider notification. This documentation is required to be available. The vaccines below are billed to KHS for members over the age of 19 unless otherwise noted. In addition to age limits, limits exist on number per lifetime, and limits per injection. Vaccines needed for employment or travel are not covered benefits.*

\* tetanus

ADACEL®, TENIVAC®,  
OTHERS

various

*Restriction: Coordinate with other payers (ex Vaccines for Children, Medicare, CCS, others).*

\* tdap

BOOSTRIX®

various

*Restriction: Coordinate with other payers (ex Vaccines for Children, Medicare, CCS, others).*

\* hepatitis b

ENGERIX-B®,  
HEPLISAV-B®

various

*Restriction: Coordinate with other payers (ex Vaccines for Children, Medicare, CCS, others). Limit 3 per lifetime, 2 for Heplisav-B.*

\* influenza

FLUZONE®, FLUVIRIN®,  
FLUVARIX®, OTHERS

various

*Restriction: Coordinate with other payers (ex Vaccines for Children, Medicare, CCS, others). Limit 1 per flu season.*

\* papillomavirus

GARDASIL®, CERVARIX®

various

*Restriction: Coordinate with other payers (ex Vaccines for Children, Medicare, CCS, others). Limit 3 per lifetime. Maximum age 26 years.*

\* hepatitis a

HAVRIX®

various

*Restriction: Coordinate with other payers (ex Vaccines for Children, Medicare, CCS, others). Limit 2 per lifetime.*

\* rabies

HYPERRAB®, IMOGAM  
RABIES®

various

*Restriction: Coordinate with other payers (ex Vaccines for Children, Medicare, CCS, others).*

\* measles, mumps, rubella

M-M-R II®

various

*Restriction: Coordinate with other payers (ex Vaccines for Children, Medicare, CCS, others). Limit 2 per lifetime.*

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GENERIC	BRAND	FORMS
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**Vaccines - Immune Globulin, continued • SEE PREVIOUS PAGE**

* <i>menigitits</i>	MENVEO <sup>®</sup> , MENOMUNE <sup>®</sup> , BEXSERO <sup>®</sup> , TRUMENBA <sup>®</sup> , OTHERS	various
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*Restriction: Coordinate with other payers (ex Vaccines for Children, Medicare, CCS, others).*

* <i>pneumococcal</i>	PREVNAR 13 <sup>®</sup> , PREVNAR 23 <sup>®</sup>	various
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*Restriction: Coordinate with other payers (ex Vaccines for Children, Medicare, CCS, others).*

* <i>varicella-zoster</i>	SHINGRIX <sup>®</sup>	50 mcg
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*Restriction: Coordinate with other payers (ex Vaccines for Children, Medicare, CCS, others). >50 years. Limit 2 per lifetime.*

* <i>hepatitis a &amp; b</i>	TWINRIX <sup>®</sup>	various
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*Restriction: Coordinate with other payers (ex Vaccines for Children, Medicare, CCS, others). Limit 3 per lifetime.*

* <i>varicella</i>	VARIVAX <sup>®</sup>	various
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*Restriction: Coordinate with other payers (ex Vaccines for Children, Medicare, CCS, others). Limit 2 per lifetime.*

* <i>zoster</i>	ZOSTAVAX <sup>®</sup>	various
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*Restriction: Coordinate with other payers (ex Vaccines for Children, Medicare, CCS, others). Limit 1 per lifetime. >50 years.*

**Vaginal - Anti-infective - Drugs for women**

 <i>clindamycin</i>	CLEOCIN <sup>®</sup>	2% vaginal cream
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<i>butoconazole</i>	GYNAZOLE-1 <sup>®</sup>	2% vaginal cream
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*Restriction: Restricted to patients who have failed first line agents (Clotrimazole, Miconazole).*

 <i>metronidazole</i>	METROGEL <sup>®</sup>	0.75% Vaginal Gel
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 <i>nystatin</i>	MYCOSTATIN <sup>®</sup>	100,000 units vaginal tablet
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<i>sulfanilamide</i>	SULTRIN <sup>®</sup>	15% vaginal cream, 1.05 gm vaginal supp
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 <i>terconazole</i>	TERAZOL <sup>®</sup>	0.4%, 0.8% vaginal cream, 80mg vaginal supp
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*Restriction: Restricted to patients who have failed first line agents (Clotrimazole, Miconazole).*

 <i>tioconazole</i>	VAGISTAT 1 <sup>®</sup>	6.5% vaginal oint
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*Restriction: Restricted to members who have recently failed first line agents (Clotrimazole, Miconazole).*






GENERIC	BRAND	FORMS
<b>Vaginal - Estrogens - Drugs for women</b>		
 estradiol	ESTRACE®	0.01% cream
estrogens, conjugated	PREMARIN VAGINAL CREAM®	0.625mg/gm cream
<i>Restriction: Prior authorization required.</i>		
<b>Vitamins - Dietary Supplements</b>		
levocarnitine	CARNITOR®	10% soln, 330mg tablet
<i>Restriction: Prior authorization required.</i>		
 cyanocobalamin		1000mcg injection
<i>Restriction: Restricted to documented deficiency. Consider sublingual supplementation.</i>		
 ergocalciferol	DRISDOL®	50,000 IU capsule
 folic acid		1 mg tablet
<i>Restriction: Pregnant women and those on MTX therapy.</i>		
 sodium fluoride	LURIDE®	0.55mg(0.25mgF), 1.1mg(0.5mgF), 2.2mg(1mgF) chewable tablet, 0.125mg/drop, 0.275mg/drop, 0.55mg/drop, 1.1mg/ml drops
 pediatric vitamins w/fluoride & iron	POLY-VI-FLOR W/IRON®, TRI-VI-FLOR W/IRON®	0.25mg-10mg/ml drops
<i>Restriction: Restricted to members &lt; 5 years old.</i>		
 pediatric vitamins w/fluoride	POLY-VI-FLOR®, TRI-VI-FLOR®	0.25mg/ml, 0.5mg/ml drops, 0.25mg, 0.5mg, 1mg chewable tablet
<i>Restriction: Restricted to members &lt; 5 years old.</i>		
 prenatal vitamins w/minerals, iron & folic acid		capsule or tablet
<i>Restriction: Pregnant females only.</i>		
 calcitriol	ROCALTROL®	0.25mcg, 0.5mcg capsule

**GENERIC BRAND FORMS**

**Analgesics - Non-narcotic/OTC - Drugs for pain**

*Acetaminophen (APAP, Tylenol®) hepatotoxicity can result from frequent and/or high doses of those medications with an acetaminophen component. Maximum recommended daily dose of APAP for a patient who does not drink alcohol is 4000mg. Patients may also aggravate the problem by taking other OTC drugs with APAP or receiving prescriptions of other APAP combinations (Norco®, Tylenol #3).*

 aspirin		81 mg, 325mg, 650mg tablet & ec tablet, 325mg buffered tablet
 ibuprofen	MOTRIN®	100mg/5ml susp, 200mg tablet
<i>Restriction: FDA does not recommend in children &lt; 6 months.</i>		
 acetaminophen	TYLENOL®	325mg, 500mg, 650mg tablet, 100mg/ml, 160mg/5ml soln

**Cardiovascular - Antilipid/OTC - Drugs for the heart**

 niacin		100mg, 250mg, 500mg tablet, 125mg cr capsule, 125mg, 250mg cr tablet
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**Cardiovascular - Electrolyte/OTC**

 oral electrolyte soln	PEDIALYTE®	Soln
<i>Restriction: Limited to 3000 ml per dispensing.</i>		

**Contraceptive/OTC**

condoms-male		
<i>Restriction: Limited to 12 per 30 days.</i>		
nonoxynol-9	EMKO®	8%,12.5% foam, 2% gel

**Device - Supplies/OTC**

blood pressure monitor		
<i>Restriction: One per member per 5 years. \$50 maximum per unit.</i>		
braces		various (knee, ankle, wrist)
<i>Restriction: One per affected area per member per 12 months. \$50 maximum per unit.</i>		
crutches		various
<i>Restriction: One pair per member per 12 months</i>		
nebulizer		various
<i>Restriction: One per member per 3 years. \$65 maximum per unit.</i>		
tablet splitter		









Continued on next page

**GENERIC BRAND FORMS**

**Device - Supplies/OTC, continued • SEE PREVIOUS PAGE**

<i>thermometer</i>		
<i>Restriction: One per member per 12 months. Maximum \$15 per unit.</i>		
<i>vaporizer</i>		




**Gastrointestinal - Antacid/OTC - Drugs for the stomach**

 <i>calcium</i>		500mg tablet
 <i>calcium acetate (12.5meq ca<sup>++</sup>/gm)</i>		667mg tablet
 <i>calcium gluconate (4.5meq ca<sup>++</sup>/gm)</i>		500mg, 650mg, 1 gm tablet
 <i>calcium lactate (6.5meq ca<sup>++</sup>/gm)</i>		325mg, 650mg tablet
<i>aluminum hydroxide &amp; mag. trisilicate</i>	GAVISCON®	80mg-14.2mg chewable tablet
<i>aluminum hydroxide, mag. carbonate</i>	GAVISCON®	160mg-105mg chewable tablet, 31.7mg-119.3mg/5ml susp
 <i>aluminum &amp; magnesium hydroxides</i>	MAALOX®	200mg-200mg/5ml susp
 <i>aluminum &amp; magnesium hydroxides w/simethicone</i>	MYLANTA®	200mg-200mg-25mg chewable tablet, 400mg-400mg-40mg/ 5ml susp
 <i>magaldrate</i>	RIOPAN®	540mg/5ml susp
 <i>calcium carbonate (20 meq ca<sup>++</sup>/gm) calcium carbonate w/vitamin d</i>	TUMS® OS-CAL D®	650mg tablet, 1250mg tablet or capsule, 500mg tablet

**Gastrointestinal - Antidiarrhea/OTC - Drugs for the stomach**

 <i>loperamide</i>	IMODIUM®	2mg capsule, tablet, 1mg/5ml liquid
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**Gastrointestinal - Antiemetic/OTC - Drugs for the stomach**

 <i>meclizine</i>	ANTIVERT®	25mg chewable tablet
  <i>doxylamine succinate</i>		25mg tablet

*Restriction: Restricted to plan OB/GYN only.*

## GENERIC

## BRAND

## FORMS

**Gastrointestinal - H2 Antagonist/OTC - Drugs for the stomach**

 famotidine	PEPCID AC®	10mg tablet
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*Restriction: Minimum of 30/package.*

**Gastrointestinal - Laxative /OTC - Drugs for the stomach**

 docusate	COLACE®	100mg, 250mg capsule, 10 mg/5 ml syrup for members < 6 years old NMT 240 ml/ rx, 20 mg/5 ml, 50 mg/5 ml liq
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 bisacodyl	DULCOLAX®	5mg tablet, 10mg supp
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*Restriction: Tablet for colon diagnostic testing only.*

 mineral oil	FLEETS®	enema
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*Restriction: For colon diagnostic testing only.*

 magnesium citrate		solution
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*Restriction: For colon diagnostic testing only.*

**Gastrointestinal - Protectant/OTC - Drugs for the stomach**

 bismuth subsalicylate	PEPTO-BISMAL®	262mg tablet or chewable tablet, 525mg/15ml 527mg/30ml susp
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**Hematinic/OTC - Drugs for the blood**

 ferrous sulfate	FER-IN-SOL®	75mg/ml soln, 300mg/5ml syrup, 324mg tablet, 325mg cr & ec tablet
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 ferrous gluconate	VARIOUS	240mg, 324mg tablet
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**Hormones - Antidiabetic/OTC - Drugs for diabetes**

 insulin, human	HUMULIN®, NOVOLIN®	100 units/ml
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**Ophthalmic - Antihistamine/OTC - Drugs for the eyes**

 ketotifen	ZADITOR®	0.025% ophth soln
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**Ophthalmic - Decongestant - Antihistamine/OTC Drugs for the eyes**

 naphazoline & pheniramine	NAPHCON-A®	0.025%-0.3% ophth soln
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**Ophthalmic - Decongestant/OTC - Drugs for the eyes**

 naphazoline	ALBALON®	0.1% ophth soln
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**GENERIC BRAND FORMS**

**Ostomy Items/OTC**

<i>ostomy supplies</i>		various
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*Restriction: Pouches are allowed 30 per 30 days.*


**Otic/OTC - Drugs for the ears**

 carbamide peroxide	DEBROX®	6.5% soln
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**Respiratory - Antihistamine - Decongestant - Antitussive/OTC - Drugs for the lungs**


*Restricted to members between the ages 4-21 years.*

 pseudoephedrine, brompheniramine & dextromethorphan	DIMETANE DX®	30mg-2mg-10mg/5ml syrup
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 pseudoephedrine, chlorpheniramine & dextromethorphan	PEDIACARE®	15mg-1mg- 5mg/5ml, 15mg-1mg-7.5mg/5ml, 30mg-2mg-10mg/5ml liquid & syrup
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**Respiratory - Antihistamine - Decongestant/OTC - Drugs for the lungs**

*Restricted to members between the ages 4-21 years.*

 chlorpheniramine & phenylephrine	CONTAC®	1mg-2.5mg/5ml, 2mg-5mg/5ml, 4mg-10mg/5ml, syrup, 2mg-5mg tablet, 4mg-20mg cr tablet
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 brompheniramine & phenylephrine	DIMETAPP® NEW FORMUALTION	1mg-2.5mg/5ml elixir
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 chlorpheniramine & pseudoephedrine	SUDAFED PLUS®	2mg-30mg, 4mg-60mg tablet
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**Respiratory - Antihistamine/OTC - Drugs for the lungs**











*The FDA does not recommend antihistamines and other cough/cold products in individuals under the age of 2 years old. These products are restricted to members 2 years old and older. Unless a single antihistamine product, the following are allowed up to age 21 by DHCS.*

 diphenhydramine	BENADRYL®	12.5mg/5ml elixir or syrup, 25mg, 50mg capsule or tablet
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 brompheniramine		2mg/5ml elixir
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 chlorpheniramine	CHLORTRIMETON®	1mg/5ml liquid, 2mg/5ml syrup, 2mg, 4mg chewable tablet, 4mg tablet, 8mg, 12mg cr tablet, 6mg, 8mg, 12mg cr capsule
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GENERIC	BRAND	FORMS
<b>Respiratory - Antihistamine/OTC - Drugs for the lungs, continued • SEE PREVIOUS PAGE</b>		
 loratadine	CLARITIN®	10mg quick dissolving tablet, 10mg tablet, 5mg/5ml syrup
<i>Restriction: Liquid allowed &lt; 5 years old.</i>		
 cetirizine	ZYRTEC®	5 mg, 10 mg tablet, 1 mg/ml liq
<i>Restriction: Limited to patients &lt; 18 years old. Liquid allowed &lt; 5 years old.</i>		
<b>Respiratory - Antitussive/OTC - Drugs for the lungs</b>		
<i>Restricted to members between the ages 4-21 years.</i>		
 dextromethorphan	ROBITUSSIN PEDIATRIC®	7.5mg/5ml, 10mg/5ml syrup
<b>Respiratory - Antitussive - Expectorant/OTC - Drugs for the lungs</b>		
<i>Restricted to members between the ages 4-21 years.</i>		
 dextromethorphan & guaifenesin	ROBITUSSIN DM®	10mg-100mg/5ml, 15mg-200mg/5ml, 30mg-200mg/5ml liquid, 3.33mg-33.3mg/5ml, 6.67mg-66.7mg/5ml syrup
<b>Respiratory - Decongestant/OTC - Drugs for the lungs</b>		
<i>Restricted to members between the ages 4-21 years.</i>		
 pseudoephedrine	SUDAFED®	30mg, 60mg, 120mg tablet, 15mg/5ml, 30mg/5ml liquid
<b>Respiratory - Expectorant/OTC - Drugs for the lungs</b>		
<i>Restricted to members between the ages 4-21 years.</i>		
 guaifenesin	ROBITUSSIN®	100mg/5ml, 200mg/5ml syrup
<b>Respiratory - Miscellaneous/OTC - Drugs for the lungs</b>		
  sodium chloride		0.9% nebulizer soln
<b>Respiratory - Nasal Glucocorticoids/OTC - Drugs for the lungs</b>		
 triamcinolone	NASACORT ALLERGY 24 HR OTC®	55 mcg mdi
<b>Supplies - /OTC</b>		
<i>Antiseptic solutions and hand wipes. One package allowed per 30 days.</i>		
alcohol		70%, 91% topical soln
 triclosan	CA-REZZ®	cream, washes
 ethyl alcohol		solutions, creams, gels, foam, washes, wipes

Continued on next page


**GENERIC BRAND FORMS**

**Supplies - /OTC, continued • SEE PREVIOUS PAGE**

 chlorhexidine gluconate	HIBICLENS®	4% liquid
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**Supplies - Diabetic/OTC**

  urine test strips	KETO-DIASTIX®, KETOSTIX®	strip
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 lancets		
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 blood glucose strips	TRUE METRIX®	strip
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*Restriction: Restricted to True Metrix ® or Fora®. True Metrix® meters are billed with a special code from Trividia and are preferred. Fora® meters are ordered directly from the manufacturer. Please write prescriptions for strips, lancets, etc. The members should then have the pharmacy fill the meter and strips together so as to ensure the correct products are given. Plan allows up to #100/30 days for Type I, #100/90 days for Type II, and #150/30 days for gestational diabetics.*

 syringes, syringes w/needles, pen needles	TRUEPLUS®	
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*Restriction: Requires insulin to clear. Coinsides with insulin vial, pen. Limit up to 200 per 40 days.*

**Topical - Acne/OTC -Drugs for the skin**

 benzoyl peroxide	BENZAGEL®	5%, 10% gel
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adapalene	DIFFERIN®	0.1% gel
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*Restriction: Max 45 g per dispensing per 30 days.*

**Topical - Antibiotic/OTC -Drugs for the skin**

 bacitracin		ointment
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 neomycin, bacitracin & polymyxin	NEOSPORIN®	ointment
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**Topical - Antifungal/OTC -Drugs for the skin**

 clotrimazole	LOTIMIN®	1% cream, oint, soln
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*Restriction: Solution allowed prescribed by ENT.*











 miconazole	MICATIN®	2% cream
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 tolnaftate	TINACTIN®	1% cream and soln
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**Topical - Anti-Infective/OTC -Drugs for the skin**

 calamine		plain, phenolated lotion
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GENERIC	BRAND	FORMS
<b>Topical - Astringent/OTC -Drugs for the skin</b>		
<i>aluminum acetate</i>	DOMEBORO'S SOLN®	Powder
<b>Topical - Glucocorticoid/OTC -Drugs for the skin</b>		
 <i>hydrocortisone</i>		0.5%, 1% cream, oint, lotion
<b>Topical - Scabicide/OTC</b>		
 <i>permethrin</i>	NIX®	1% cream rinse
 <i>pyrethrins-piperonyl</i>	RID®	4%-0.33% liquid
<b>Vaginal - Anti-infective/OTC - Drugs for women</b>		
<i>butoconazole</i>	GYNAZOLE 1®	2% vaginal cream
 <i>clotrimazole</i>	GYNE-LOTRIMIN®	1% vaginal cream
 <i>miconazole</i>	MONISTAT®	2% vaginal cream, vaginal kit, 100mg vaginal supp
<b>Vitamins/OTC</b>		
 <i>prenatal vitamins w/minerals, iron &amp; folic acid</i>		0.1 mg, 1 mg Folic Acid capsule, 0.4mg, 0.8mg, 1 mg Folic Acid tablet
<i>Restriction: Pregnant female members only.</i>		
 <i>prenatal vitamins w/minerals, iron &amp; folic acid, w/dha</i>		0.1 mg, 1 mg Folic Acid capsule, 0.4mg, 0.8mg, 1 mg Folic Acid tablet
<i>Restriction: Pregnant female members only.</i>		
 <i>pyridoxine (vitamin b-6)</i>		25mg, 50mg, 100mg tablet
 <i>pediatric vitamins</i>	TRI-VI-SOL®	ADC plain and w/iron drops
<i>Restriction: Restricted to patients &lt; 5 years old.</i>		
 <i>vitamin e</i>		400 international units, 1000 international unit capsule

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## Appendix

These medications are carved out by Medi-Cal as stated in the Medi-Cal bulletin. The prescriptions for any of the carved out medications are transmitted to Medi-Cal. **If the claim for the listed drugs is rejected by EDS for a Kern Family Health Care patient with a message stating to bill the primary insurance it is likely the patient has insurance in addition to Kern Health Systems. Some prescriptions may require a TAR from Medi-Cal.**

### Psychotherapeutic Agents

Amantadine		Olanzapine.....	Zyprexa®
Aripipazole.....	Abilify®	Olanzapine & fluoxetine.....	Symbyax®
Asenapine.....	Saphris®	Paliperidone.....	Invega®
Benztrapine.....	Cogentin®	Perphenazine.....	Trilafon®
Biperidin.....	Akineton®	Phenelzine.....	Nardil®
Brexpiprazole.....	Rexulti®	Pimozide.....	Orap®
Cariprazine.....	Vraylar®	Promazine.....	Sparine®
Chlorpromazine.....	Thorazine®	Quetiapine.....	Seroquel®
Clozapine.....	Clozaril®	Risperidone.....	Risperdal®
Fluphenazine.....	Prolixin®	Selegiline.....	Emsam®
Haloperidol.....	Haldol®	Thioridazine.....	Mellaril®
Iloperidone.....	Fanapt®	Thiothixene.....	Navane®
Isocarboxazid.....	Marplan®	Tranlycypromine.....	Parnate®
Lithium		Trifluoperazine.....	Stelazine®
Loxapine.....	Loxitane®	Trifluopromazine.....	Vesprin®
Lurasidone.....	Latuda®	Trihexyphenidyl.....	Artane®
Molindone.....	Moban®	Ziprasidone.....	Geodon®

### Alcohol, Heroin Detoxification and Dependency Treatment Drugs

Acamposate.....	Campral®	Disulfiram.....	Antabuse®
Buprenorphine.....	Subutex®, Butrans®	Naloxone.....	Narcan®
Buprenorphine/naloxone.....	Suboxone®	Naltrexone.....	Revia®

### Antiviral Agents

Abacavir .....	Ziagen®	Elvitegravir, cobicistat, emtricitabine & tenofovir .....	Stribild®, Genvoya®
Abacavir, dolutegravir & lamivudine .....	Trimeq®	Emcitabine .....	Emitriva®
Abacavir, lamivudine.....	Epzicom®	Emcitabine, rilpivirine & tenofovir .....	Complera®, Odefsey®
Abacavir, lamivudine & zidovudine.....	Trizivir®	Emtricitabine, tenofovir .....	Descovy®
Amprenavir .....	Agenerase®	Enfuvirtide.....	Fuzeon®
Atazanavir .....	Reyataz®	Etravirine .....	Itelence®
Atazanavir & cobicistat .....	Evotaz®	Fosamprenavir.....	Levixa®
Bictegravir, emtricitabine, tenofovir, alafenamide .....	Biktarvy®	Ibalizumab-uiyk .....	Trogarzo®
Cobicistat.....	Tybost®	Indinavir .....	Crixivan®
Darunavir.....	Prezista®	Lamivudine .....	Epivir HBR®, Epivir®
Darunavir & cobicistat.....	Prezcobix®	Lamivudine & zidovudine .....	Combivir®
Darunavir, cobicistat, emtricitabine, tenofovir, alafenamide .....	Symtuza®	Lopinavir & ritonavir .....	Kaletra®
Delavirdine.....	Rescriptor®	Maraviroc.....	Selzentry®
Dolutegravir .....	Tivicay®	Nelfinavir .....	Viracept®
Dolutegravir, rilpivirine .....	Juluca®	Nevirapine.....	Viramune®
Doravine.....	Pifeltro®	Raltegravir .....	Isentress®
Doravine, lamivudine, tenofovir .....	Delstrigo®	Rilpivirine.....	Edurant®
Efavirenz .....	Sustiva®	Ritonavir .....	Norvir®
Efavirenz, emtricitabine & tenofovir .....	Atripla®	Saquinavir.....	Invirase®
Efavirenz, lamivudine, tenofovir .....	Symfi®	Stavudine .....	Zerit®
Elvitegravir.....	Vitekta®	Tenofovir .....	Viread®
		Tenofovir & emtricitabine .....	Truvada®
		Tipranavir.....	Aptivus®

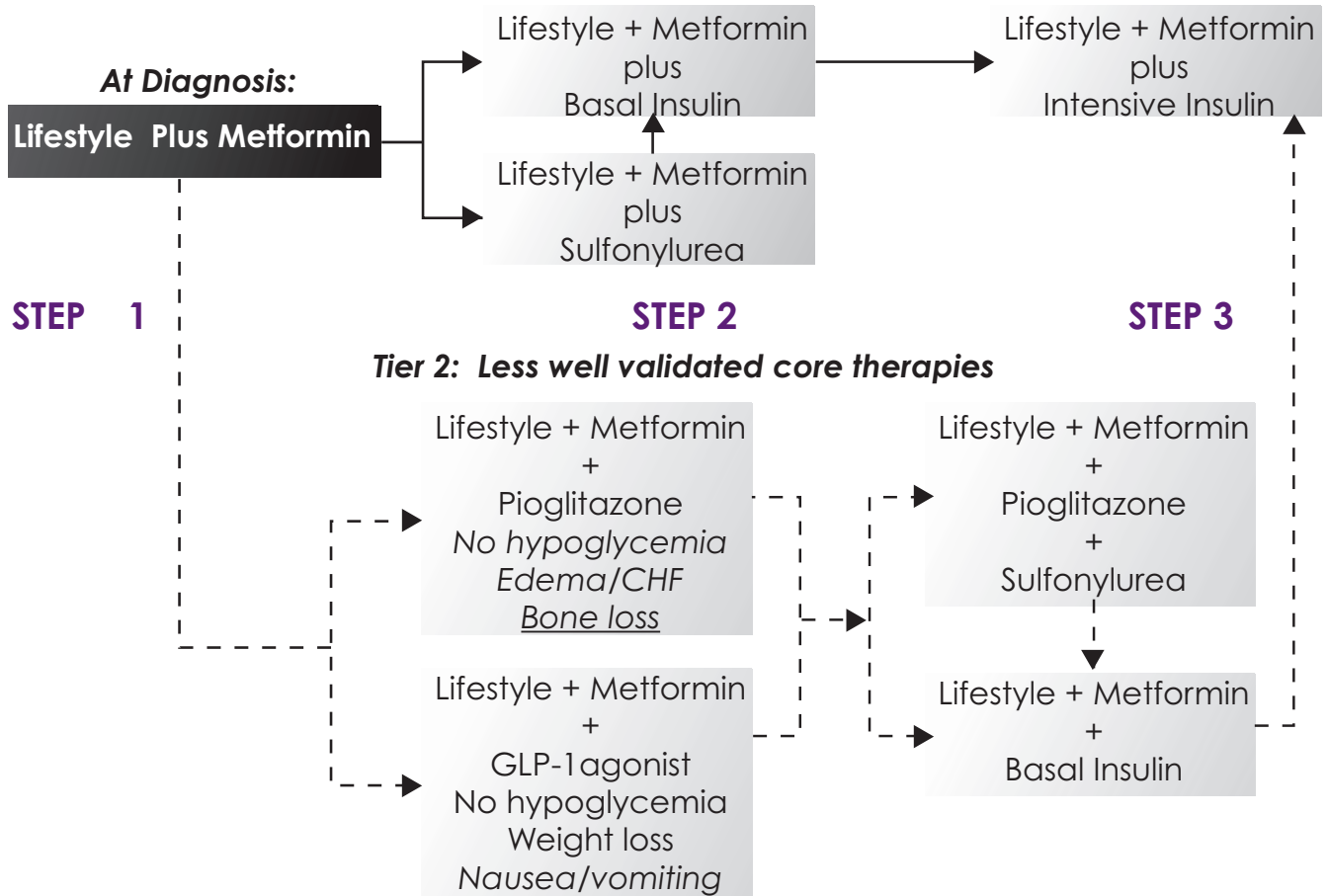
### Blood Factors

Please refer to FFS Medi-Cal for full listing.

## Management of Type 2 Diabetes Treatment

Algorithm for the metabolic management of Type 2 diabetes

### Tier 1: Well validated core therapies



**Type 2 Diabetes is treated in a step wise manner from the time of diagnosis:**

Always included in the treatment is Lifestyle Intervention and Exercise. These components are always complementary to medication therapies and include medical nutrition therapy, weight loss and regular daily exercise. The most convincing long term data that weight loss effectively lowers glycemia have been generated in the follow up of type 2 diabetic patients who have had bariatric surgery. In this setting, with a mean sustained weight loss of > 20 kg, diabetes is virtually eliminated.

## Management of Type 2 Diabetes Treatment, continued...

Intervention	A1C response (%)	Advantages	Disadvantages
<b>TIER 1: Well validated core Rx</b>			
• <b>Step 1:</b> Initial Therapy Lifestyle to decrease weight & increase activity	1.0-2.0	Broad benefits	Insufficient for most in 1 year
• Metformin	1.0-2.0	Weight neutral	GI side effects; contraindicated renal insufficiency

### Titration of Metformin

1. Begin with low dose metformin (500 mg) taken once or twice per day with meals (breakfast and/or dinner) or 850 mg once per day.
2. After 5-7 days, if gastrointestinal side effects have not occurred, advance dose to 850 mg, or two 500 mg tablets, twice per day (medication to be taken before breakfast and/or dinner)
3. If gastrointestinal side effects appear as doses advanced, decrease to previous lower dose and try to advance the dose at a later time.
4. The maximum effective dose can be up to 1,000 mg twice per day but is often 850 mg twice per day. Modestly greater effectiveness has been observed with doses up to about 2,500 mg/day. Gastrointestinal side effects may limit the dose that can be used.
5. Based on cost considerations, generic metformin is the first choice of therapy. A longer acting formulation is available in some countries and can be given once per day. The major action of metformin is to decrease hepatic glucose output and lower fasting glycemia.

• **Step 2:** additional therapy if A1C is 7 or greater after 2-3 months of step one:

Insulin (basal insulin-Lantus) Humalog, Apidra, Novolog	1.5-3.5	No dose limit; Rapidly effective Improved lipid profile.	1-4 injections daily, wt.+, Monitoring; Hypoglycemia hypoglycemia, Wt. gain expensive med
Sulfonylurea	1.0-2.0	Rapidly effective	

### TIER 2: less well validated. Oral therapy without insulin

TZDs	0.5-1.4	Improved lipid profile (actos) Potential decrease in MI (actos)	Fluid retention CHF, Wt. +, bone fxs; Potential MI increase (avandia)
GLP-1 Agonist (exenatide) (Byetta)	0.5-1.0	Wt. -	2 injections daily frequent GI side effects Long term safety??? Expensive
Other therapy (all expensive) DPP-4 inhibitor (Januvia)	0.5-0.8	Wt. neutral	Long term safety?
Pramlintide (Amylin)	0.5-1.0	Wt. -	3 injections daily, Long term safety? Frequent GI side effects

## Management of Type 2 Diabetes Treatment, continued...

**Step 2:** Addition of a second medication. If lifestyle intervention and the maximal tolerated dose of metformin fail to achieve or sustain the glycemic goals, another medication should be added within 2-3 months of the initiation of therapy or at any time the target A1C level is not achieved. Another medication may also be necessary if metformin is contraindicated or not tolerated. The consensus regarding the second medication was to choose either insulin or a sulfonylurea. The A1C level will determine in part which agent is selected next, with consideration given to the more effective glycemia-lowering agent, insulin, for patients with an A1C level >8.5% or with symptoms secondary to ehyperglycemia. Insulin may be initiated with a basal (intermediate to long acting) insulin. However, many newly diagnosed type 2 diabetic patients will usually respond to oral medications, even if symptoms of ehyperglycemia are present.

**Step 3:** Further adjustments. If lifestyle, metformin, and sulfonylurea or basal insulin do not result in achievement of target glycemia, the next step should be to start, or intensify, insulin therapy. Intensification of insulin therapy usually consists of additional injections that might include a short- or rapid-acting insulin given before selected meals

to reduce postprandial glucose excursions. When insulin injections are started, insulin secretagogues (sulfonylureas or glinides) should be discontinued, or tapered and then discontinued, since they are not considered to be synergistic. Although addition of a third agent can be considered, especially if the A1C level is close to target (A1C <8.0%), this approach is usually not preferred, as it is no more effective in lowering glycemia, and is more costly, than initiation or intensifying insulin.

**Special considerations/patients.** In the setting of severely uncontrolled diabetes with catabolism, defined as fasting plasma glucose levels > 13.9mmol/l (250 mg/dl), random glucose levels consistently above 16.7 mmol/l (300 mg/dl), A1C above 10%, or the presence of ketonuria, or as symptomatic diabetes with polyuria, polydipsia and weight loss, insulin therapy in combination with lifestyle intervention is the treatment of choice. Some patients with these characteristics will have unrecognized type 1 diabetes; others will have type 2 diabetes with severe insulin deficiency. Insulin can be titrated rapidly and is associated with the greatest likelihood of returning glucose levels rapidly to target levels. After symptoms are relieved and glucose levels decreased, oral agents can often be added and it may be possible to withdraw insulin, if preferred.

### Insulin Therapy

Start with bedtime intermediate-acting insulin  
Or bedtime or morning long-acting insulin (can initiate with 10 units or 0.2 units per kg)

Check fasting glucose (fingerstick) usually daily and increase dose, typically by 2 units every 3 days until fasting levels are consistently in target range (3.9-7.2 mmol/l [70-130 mg/dl]). Can increase dose in larger increments, e.g., by 4 units every 3 days, if fasting glucose is >10 mmol/l (180mg/dl)

If hypoglycemia occurs, or if fasting glucose level < 3.9mmol/l [70mg/dl], Reduce bedtime dose by 4 units or 10% - whichever is greater.

If A1C is <7%, continue regimen and check A1C every 3 months.

If A1C >7% after 2-3 months

If fasting bg is in target range (3.9 -7.2 mmol/l [70-130mg/dl], check bg before lunch, dinner, and bed. Depending on bg results, add second injection as below. Can usually begin with around 4 units and adjust by 2 units every 3 days until bg is in range

- Pre lunch bg out of range- Add rapid-acting insulin at breakfast
- Pre-dinner bg out of range-Add NPH insulin at breakfast or rapid-acting at lunch
- Pre-bed bg out of range- Add rapid-acting insulin at dinner

A1C >7% after 3 months

Recheck pre-meal bg levels and if out of range, may need to add another injection. If A1C continues to be out of range, check 2 h postprandial levels and adjust preprandial rapid acting insulin.



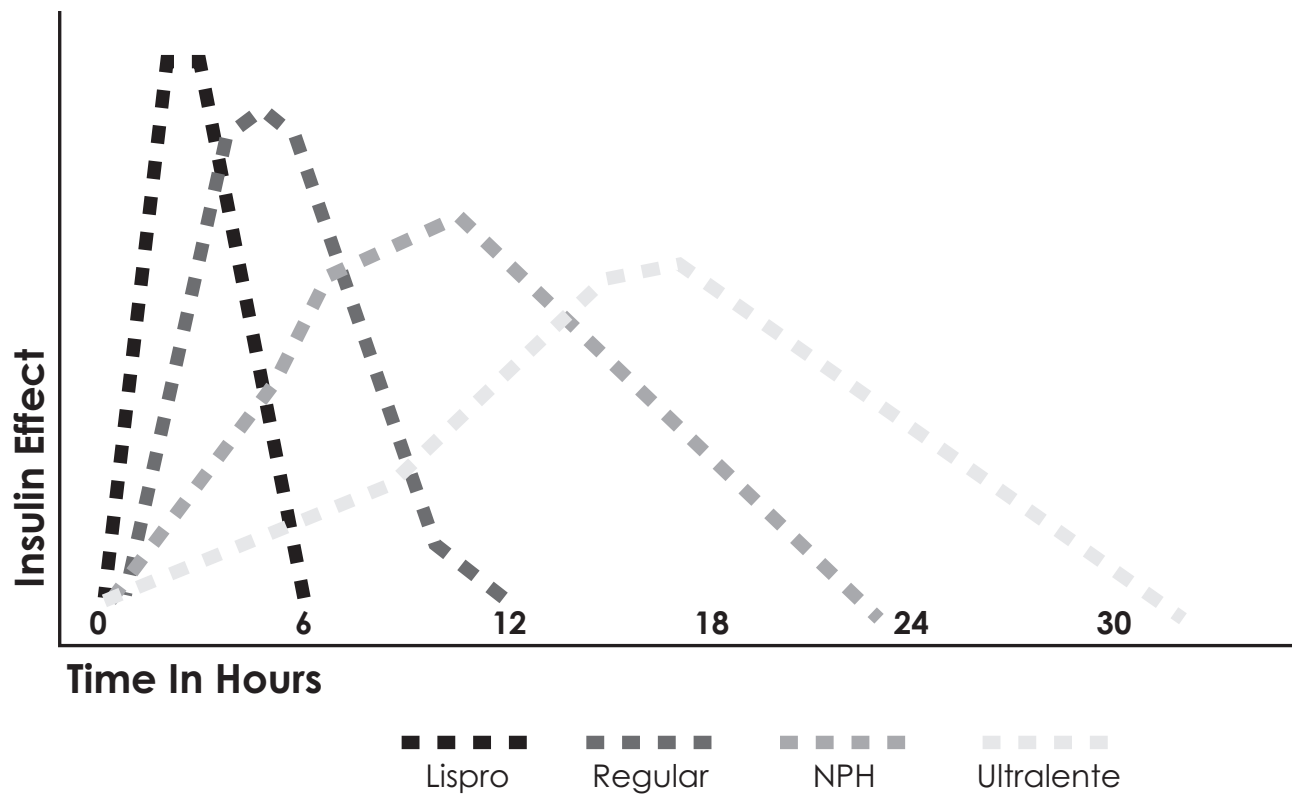
## Management of Type 2 Diabetes Treatment, continued...

### Insulin Types and Action Times

There are five main types of insulin. They each work at different speeds. Most people who take insulin use two types of insulin and take at least two shots a day.

Type of Insulin/ Name	Letter on Bottle	Starts Working*	Works Hardest*	Stops Working*
Quick acting, Humalog Insulin	lispro H	5-15 minutes	45-90 minutes	3-4 hours
Short acting, Regular Insulin	R	30 minutes	2-5 hours	5-8 hours
Intermediate acting, NPH	N	1-3 hours	6-12 hours	16-24 hours
Long acting, Ultralente Insulin	U	4-6 hours	8-20 hours	24-28 hours
NPH and Regular Insulin mixtures (2 Insulins combined)	70/30 or 50/50	30 minutes	7-12 hours	16-24 hours

\*Action times of insulins are based on average responses. How insulin works in an individual body may vary. Work with your doctor and diabetes educator to understand how insulin works in each individual case.



Provided by Kern Health Systems

## TREATMENT FOR INFANTS AND YOUNG CHILDREN (5 years or younger)

**Preferred treatments are in bold print.**

\*Patient education is essential at every step

	Long-Term Preventive	Quick-Relief
<b>STEP 4</b> <b>Severe Persistent</b>	Daily medication: <ul style="list-style-type: none"> <li>• <b>Inhaled corticosteroid</b> <ul style="list-style-type: none"> <li>- MDI with spacer and face mask &gt;1 mg daily or</li> <li>- Nebulized budesonide &gt;1 mg bid</li> <li>- If needed, add oral steroids-lowest possible dose on an alternate-day, early morning schedule.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Inhaled short-acting bronchodilator: inhaled Beta<sub>2</sub>-agonist or ipratropium bromide, or Beta<sub>2</sub>-agonist tablets or syrup as needed for symptoms, not to exceed 3-4 times in one day.</li> </ul>
<b>STEP 3</b> <b>Moderate Persistent</b>	Daily medication: <ul style="list-style-type: none"> <li>• <b>Inhaled corticosteroid</b> <ul style="list-style-type: none"> <li>- MDI with spacer and face mask 400-800 mcg daily or</li> <li>- Nebulized budesonide ≤1 mg bid</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Inhaled short-acting bronchodilator: inhaled Beta<sub>2</sub>-agonist or ipratropium bromide, or Beta<sub>2</sub>-agonist tablets or syrup as needed for symptoms, not to exceed 3-4 times in one day.</li> </ul>
<b>STEP 2</b> <b>Mild Persistent</b>	Daily medication: <ul style="list-style-type: none"> <li>• Either <b>inhaled corticosteroid</b>, (200-400 mcg) or cromoglycate (use MDI with a spacer and face mask or use a nebulizer)</li> </ul>	<ul style="list-style-type: none"> <li>• Inhaled short-acting bronchodilator: <b>inhaled Beta<sub>2</sub>-agonist</b> or ipratropium bromide, or Beta<sub>2</sub>-agonist tablets or syrup as needed for symptoms, not to exceed 3-4 times in one day.</li> </ul>
<b>STEP 1</b> <b>Intermittent</b>	<ul style="list-style-type: none"> <li>• None needed.</li> </ul>	<ul style="list-style-type: none"> <li>• Inhaled short-acting bronchodilator: inhaled Beta<sub>2</sub>-agonist or ipratropium bromide, as needed for symptoms, but not more than three times a week</li> <li>• Intensity of treatment will depend on severity of attack (see figures on management of asthma attacks).</li> </ul>



### Stepdown

Review treatment every 3 to 6 months. If control is sustained for at least 3 months, a gradual stepwise reduction in treatment may be possible.



### Stepup

If control is not achieved, consider stepup. But first: review patient medication technique, compliance, and environmental control (avoidance of allergens or other trigger factors).

## TREATMENT: ADULTS & CHILDREN OVER 5 YEARS OLD

Preferred treatments are in bold print.

\* Patient education is essential at every step

	Long-Term Preventive	Quick-Relief
<b>STEP 4</b> <b>Severe Persistent</b>	Daily medications: <ul style="list-style-type: none"> <li>• <b>Inhaled corticosteroid</b>, 800-2,000 mcg or more, and</li> <li>• Long-acting bronchodilator: either <b>long-acting inhaled Beta<sub>2</sub>-agonist</b>, and/or sustained-release theophylline, and/or long-acting Beta<sub>2</sub>-agonist tablets or syrup, and</li> <li>• Corticosteroid tablets or syrup long term.</li> </ul>	<ul style="list-style-type: none"> <li>• Short-acting bronchodilator: <b>inhaled Beta<sub>2</sub>-agonist</b> as needed for symptoms.</li> </ul>
<b>STEP 3</b> <b>Moderate Persistent</b>	Daily medications: <ul style="list-style-type: none"> <li>• <b>Inhaled corticosteroid</b>, ≥500 mcg AND, if needed</li> <li>• Long-acting bronchodilator: either <b>long-acting inhaled Beta<sub>2</sub>-agonist</b>, sustained-release theophylline, or long-acting Beta<sub>2</sub>-agonist tablets or syrup. (Long-acting Beta<sub>2</sub>-agonist may provide more effective symptom control when added to low-medium dose steroid compared to increasing the steroid dose).</li> <li>• Consider adding anti-leukotriene, especially for aspirin-sensitive patients and for preventing exercise-induced bronchospasm.</li> </ul>	<ul style="list-style-type: none"> <li>• Short-acting bronchodilator: <b>inhaled Beta<sub>2</sub>-agonist</b> as needed for symptoms, not to exceed 3-4 times in one day.</li> </ul>
<b>STEP 2</b> <b>Mild Persistent</b>	Daily medication: <ul style="list-style-type: none"> <li>• Either <b>Inhaled corticosteroid</b>, 200-500 mcg, cromoglycate, nedocromil, or sustained-release theophylline. Antileukotrienes may be considered, but their position in therapy has not been fully established.</li> </ul>	<ul style="list-style-type: none"> <li>• Short-acting bronchodilator: <b>inhaled Beta<sub>2</sub>-agonist</b> as needed for symptoms, not to exceed 3-4 times in one day.</li> </ul>
<b>STEP 1</b> <b>Intermittent</b>	<ul style="list-style-type: none"> <li>• None needed.</li> </ul>	<ul style="list-style-type: none"> <li>• Short-acting bronchodilator: <b>inhaled Beta<sub>2</sub>-agonist</b> as needed for symptoms, but less than once a week</li> <li>• Intensity of treatment will depend on severity of attack (see figures on management of asthma attacks)</li> <li>• Inhaled Beta<sub>2</sub>-agonist or cromoglycate before exercise or exposure to allergen.</li> </ul>



### Stepdown

Review treatment every 3 to 6 months. If control is sustained for at least 3 months, a gradual stepwise reduction in treatment may be possible.



### Stepup

If control is not achieved, consider stepup. But first: review patient medication technique, compliance, and environmental control (avoidance of allergens or other trigger factors).

\*Dosage note: Steroid doses are for Beclomethasone Dipropionate (on the WHO list of "Essential Drugs"). Other preparations have equal effect, but adjust the dose because inhaled steroids are not equivalent on a microgram or per puff basis.

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