

# Multimodal Analgesia

## Phenotype Algorithm Pseudo Code

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### 1. Background:

Described in this document are the Stanford University algorithms for extracting both cases and controls of Multimodal analgesia from electronic health records (EHR) for surgical patients. Multiple clinical trials have tested the use of so called multimodal analgesic approach for pain management during the inpatient perioperative phase and found this approach to be associated with improved pain outcomes.<sup>1-4</sup> There is strong evidence that the addition of nonsteroidal anti-inflammatory drugs (NSAID's) and/or acetaminophen to the postoperative treatment plan reduces early pain intensity and morphine consumption.<sup>5,6</sup> For that reason, postoperative pain management guidelines including those issued by the American Pain Society and the American Society of Anesthesiologists recommend multimodal analgesia for postoperative pain.<sup>7,8</sup> For the purpose of this phenotype, multimodal regimen at discharge has been defined as using opioids in combination with another analgesic such as NSAID and/or acetaminophen.

### 2. Algorithm Description:

This algorithm will require extraction of both patient level and encounter level data from the Electronic Medical Records (EMR) present in structured and unstructured form. The algorithm requires the following types of information:

- Procedure codes (CPT and/or ICD)
- Procedure date
- Encounter dates
- Encounter details
- Medications
- Medication order dates

#### 2.1 Cases

A record will be identified as a case if:

- a. They have undergone atleast one surgical procedure as identified by ICD-9 or ICD-10 codes through the structured EMR *AND*
- b. For which there is documentation on use of multimodal regimens postoperatively *AND*
- c. This documentation is present in the Electronic Health Records around the date of discharge (operate note, operative procedure, anesthesia note, nursing operative note) *AND*
- d. Medication list included any of medications used for multimodal analgesics

## **2.2 Controls**

A record will be identified as a control if:

- a. They have undergone atleast one surgical procedure as identified by ICD-9 or ICD-10 codes through the structured EMR *AND*
- b. Has not received a multimodal regimen at discharge (does not meet inclusion criteria for cases).

## **2.2 Controls to be screened?**

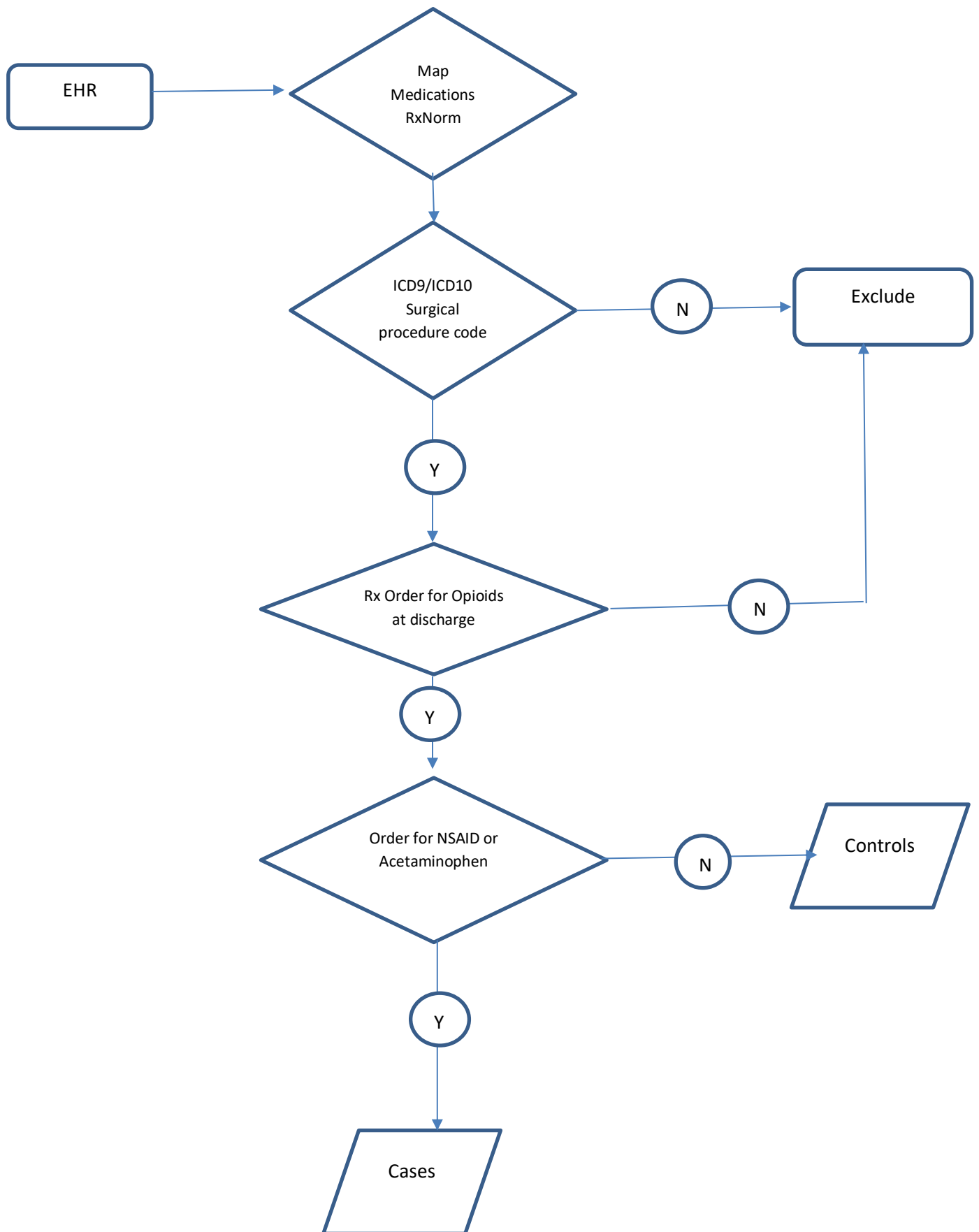
### **Information required to accurately select cases:**

The following information will be required,

- a. Counts of all patients who underwent any of the four procedures as identified by their ICD-9/ ICD-10 codes.
- b. Accurate ICD-9/ ICD-10 codes. (Appendix 1)
- c. Medication record from structured data.

## FLOW DIAGRAM

This is a schematic representation of the phenotype definition logic described above.



## 2.3 Vocabularies

For the case selection algorithm, the following terms were used to identify whether nerve block was given. Where possible, vocabularies were matched with existing ontologies from the National Center for Biomedical Ontology (NCBO), see below.

Table 1. Analgesics Terms

EHR term	Ontology	ID	Synonyms
<b>OPIOIDS</b>			
<b>Morphine</b>	Rxnorm	P1-95521	
			<b>FORMS</b> <a href="#">Morphine hydrochloride</a> <a href="#">Morphine Sulfate</a> <a href="#">MORPHINE TARTRATE</a>
			<b>TRADE NAMES</b> <a href="#">MS Contin</a> <a href="#">Duramorph</a> <a href="#">Morphabond</a> <a href="#">Infumorph</a> <a href="#">Avinza</a> <a href="#">Embeda</a> <a href="#">Kadian</a> <a href="#">Astramorph</a>
			<b>INGREDIENT OF</b> <a href="#">Morphine / Naltrexone Oral Product</a> <a href="#">Morphine Extended Release Oral Capsule</a> <a href="#">Morphine Sulfate 10 MG</a> <a href="#">Morphine Sulfate 20 MG</a> <a href="#">Morphine Sulfate 50 MG/ML</a> <a href="#">Morphine Sulfate 20 MG/ML</a> <a href="#">Morphine Sulfate 80 MG</a> <a href="#">Morphine Injection</a> <a href="#">Morphine Pill</a> <a href="#">Morphine / Naltrexone Pill</a> <a href="#">Morphine Sulfate 200 MG</a> <a href="#">Morphine Rectal Product</a> <a href="#">Morphine Sulfate 14.3 MG/ML</a>

			<a href="#"><u>Morphine hydrochloride 40 MG</u></a> <a href="#"><u>Morphine Oral Solution</u></a> <a href="#"><u>Morphine Injectable Product</u></a> <a href="#"><u>Morphine Sulfate 15 MG/ML</u></a> <a href="#"><u>Morphine Sulfate 90 MG</u></a> <a href="#"><u>Morphine Sulfate 5 MG</u></a> <a href="#"><u>Morphine Sulfate 130 MG</u></a> <a href="#"><u>Morphine Oral Liquid Product</u></a> <a href="#"><u>Morphine Sulfate 6.67 MG/ML</u></a> <a href="#"><u>Morphine Oral Capsule</u></a> <a href="#"><u>Morphine Sulfate 2 MG/ML</u></a> <a href="#"><u>Morphine Sulfate 25 MG</u></a> <a href="#"><u>Morphine Sulfate 3 MG/ML</u></a> <a href="#"><u>Morphine Sulfate 10 MG/ML</u></a> <a href="#"><u>Morphine / Naltrexone Extended</u></a> <a href="#"><u>Release Oral Capsule</u></a> <a href="#"><u>Morphine Sulfate 4 MG/ML</u></a> <a href="#"><u>Morphine Oral Product</u></a> <a href="#"><u>Morphine Cartridge</u></a> <a href="#"><u>Morphine Sulfate 75 MG</u></a> <a href="#"><u>Morphine Sulfate 30 MG/ML</u></a> <a href="#"><u>Morphine Oral Tablet</u></a> <a href="#"><u>Morphine Rectal Suppository</u></a> <a href="#"><u>Morphine Sulfate 25 MG/ML</u></a> <a href="#"><u>Morphine Sulfate 45 MG</u></a> <a href="#"><u>Morphine Auto-Injector</u></a> <a href="#"><u>Morphine Prefilled Syringe</u></a> <a href="#"><u>Morphine Sulfate 70 MG</u></a> <a href="#"><u>Morphine Extended Release Oral</u></a> <a href="#"><u>Tablet</u></a> <a href="#"><u>Morphine Sulfate 30 MG</u></a> <a href="#"><u>Morphine Sulfate 1 MG/ML</u></a> <a href="#"><u>Atropine / Morphine Injectable</u></a> <a href="#"><u>Product</u></a> <a href="#"><u>Morphine Sulfate 5 MG/ML</u></a> <a href="#"><u>Morphine Sulfate 40 MG</u></a> <a href="#"><u>Morphine Sulfate 15 MG</u></a> <a href="#"><u>Morphine Injectable Solution</u></a> <a href="#"><u>Morphine 15 MG/ML</u></a> <a href="#"><u>Atropine / Morphine Injectable</u></a> <a href="#"><u>Solution</u></a> <a href="#"><u>Morphine Sulfate 50 MG</u></a> <a href="#"><u>Morphine Oral Suspension</u></a> <a href="#"><u>Morphine Sulfate 6 MG/ML</u></a> <a href="#"><u>Morphine Sulfate 0.5 MG/ML</u></a> <a href="#"><u>Morphine Sulfate 8 MG/ML</u></a> <a href="#"><u>Morphine Sulfate 100 MG</u></a> <a href="#"><u>Morphine Sulfate 150 MG</u></a> <a href="#"><u>Morphine Sulfate 120 MG</u></a> <a href="#"><u>Morphine Sulfate 35 MG</u></a>
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			<a href="#">Morphine Sulfate 60 MG</a>
Codeine	RxNorm	C0009214	
			<a href="#">CODEINE ANHYD</a> <a href="#">CODEINE CAMSYL</a> <a href="#">CODEINE POLISTIREX</a> <a href="#">codeine phosphate anhydrous</a> <a href="#">Codeine hydrochloride</a> <a href="#">Codeine sulfate</a> <a href="#">codeine anhydrous</a> <a href="#">Codeine Phosphate</a>
			<a href="#">Tuzistra</a> <a href="#">Capital and Codeine</a> <a href="#">ExeClear-C</a> <a href="#">BroveX CB</a> <a href="#">Tusnel C</a> <a href="#">Nucofed</a> <a href="#">Phenylhistine DH</a> <a href="#">Poly Hist NC</a> <a href="#">Suttar</a> <a href="#">Mar-cof CG</a> <a href="#">Codrix</a> <a href="#">Maxiflu CD</a> <a href="#">Ambifed-G CD</a> <a href="#">Giltuss Ped-C</a> <a href="#">Cheratussin</a> <a href="#">Nucofed Expectorant</a> <a href="#">Zodryl AC</a> <a href="#">Robafen AC</a> <a href="#">Vanacof</a> <a href="#">Poly-Tussin AC</a> <a href="#">M-End WC</a> <a href="#">Biotussin</a> <a href="#">M-Clear WC</a> <a href="#">Fiorinal with Codeine</a> <a href="#">M-End Max D</a> <a href="#">Guiatuss AC</a> <a href="#">Ascomp</a> <a href="#">Codar D</a> <a href="#">Mytussin AC</a> <a href="#">Phenylhistine Expectorant</a> <a href="#">Maxiphen CDX</a> <a href="#">Triacin C</a> <a href="#">Tylenol with Codeine</a> <a href="#">Pluratuss</a> <a href="#">Notuss PE</a> <a href="#">Duraganidin NR</a> <a href="#">Soma Compound with Codeine</a> <a href="#">Nalex AC</a>

			<p> <a href="#">Maxifed CD</a>  <a href="#">Cotabflu</a>  <a href="#">Zotex C</a>  <a href="#">Cotab A</a>  <a href="#">M-End PE</a>  <a href="#">Z-Tuss E</a>  <a href="#">Maxifed-G CD</a>  <a href="#">Cheracol with Codeine</a>  <a href="#">Lortuss EX</a>  <a href="#">Allfen CDX</a>  <a href="#">Mytussin DAC</a>  <a href="#">Ninjacof XG</a>  <a href="#">Pseudodine C</a>  <a href="#">Brovex PBC</a>  <a href="#">Zodryl DAC</a>  <a href="#">Cheratussin DAC</a>  <a href="#">Notuss-NXD</a>  <a href="#">Mar-cof BP</a>  <a href="#">Colrex</a>  <a href="#">Notuss-NX</a>  <a href="#">Ala-Hist AC</a>  <a href="#">Fioricet with Codeine</a>  <a href="#">Allfen CD</a>  <a href="#">Maxiphen CD</a>  <a href="#">Tussirex</a>  <a href="#">Histex AC</a>  <a href="#">Relcof C</a>  <a href="#">Codar GF</a>  <a href="#">Statuss Green Reformulated Jan 2012</a>  <a href="#">Ambifed CD</a>  <a href="#">Brontex</a>  <a href="#">Z Tuss AC</a>  <a href="#">Codar AR</a>  <a href="#">Cotab AX</a>  <a href="#">Zodryl DEC</a> </p>
			<p> <a href="#">Codeine / Guaifenesin / Phenylephrine Oral Tablet</a>  <a href="#">Chlorpheniramine / Codeine Extended Release Suspension</a>  <a href="#">Caffeine / Codeine / Pheniramine / Phenylephrine / Salicylic Acid Oral Product</a>  <a href="#">Acetaminophen / Codeine / Guaifenesin / Pseudoephedrine Oral Product</a>  <a href="#">Chlorpheniramine / Codeine Pill</a>  <a href="#">Brompheniramine / Codeine Oral Liquid Product</a> </p>

			<p><a href="#">Brompheniramine / Codeine Oral Solution</a></p> <p><a href="#">Codeine Phosphate 1 MG/ML</a></p> <p><a href="#">Acetaminophen / butalbital / Caffeine / Codeine Oral Product</a></p> <p><a href="#">Codeine Phosphate 9 MG</a></p> <p><a href="#">Aspirin / butalbital / Caffeine / Codeine Oral Capsule</a></p> <p><a href="#">Acetaminophen / Chlorpheniramine / Codeine Oral Product</a></p> <p><a href="#">Codeine / Kaolin Oral Suspension</a></p> <p><a href="#">Codeine sulfate 30 MG</a></p> <p><a href="#">Codeine / dextbrompheniramine / Pseudoephedrine Oral Liquid Product</a></p> <p><a href="#">Codeine / Pyrilamine Oral Product</a></p> <p><a href="#">Acetaminophen / Chlorpheniramine / Codeine / Pseudoephedrine Oral Tablet</a></p> <p><a href="#">Codeine Phosphate 60 MG</a></p> <p><a href="#">Codeine / Guaifenesin / Pseudoephedrine Oral Suspension</a></p> <p><a href="#">Codeine / Guaifenesin Oral Liquid Product</a></p> <p><a href="#">Brompheniramine / Codeine Oral Product</a></p> <p><a href="#">Acetaminophen / butalbital / Caffeine / Codeine Pill</a></p> <p><a href="#">Acetaminophen / Codeine / Guaifenesin / Pseudoephedrine Pill</a></p> <p><a href="#">Codeine 50 MG/ML</a></p> <p><a href="#">Aspirin / Codeine Oral Tablet</a></p> <p><a href="#">Codeine / Guaifenesin / Phenylephrine Oral Liquid Product</a></p> <p><a href="#">Codeine Phosphate 15 MG</a></p> <p><a href="#">Codeine Phosphate 54.3 MG</a></p> <p><a href="#">Codeine Phosphate 60 MG/ML</a></p> <p><a href="#">Codeine / dextbrompheniramine / Pseudoephedrine Oral Solution</a></p> <p><a href="#">Codeine Phosphate 10 MG</a></p> <p><a href="#">Acetaminophen / Chlorpheniramine / Codeine Pill</a></p> <p><a href="#">Acetaminophen / Codeine Effervescent Oral Tablet</a></p> <p><a href="#">Codeine / Phenylephrine / Promethazine Oral Liquid Product</a></p>
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			<p><a href="#">Codeine / Guaifenesin / Pseudoephedrine Oral Liquid Product</a></p> <p><a href="#">Brompheniramine / Codeine Pill</a></p> <p><a href="#">Aspirin / Carisoprodol / Codeine Oral Product</a></p> <p><a href="#">Codeine / dexbrompheniramine / Pseudoephedrine Oral Product</a></p> <p><a href="#">Chlorpheniramine / Codeine / Pseudoephedrine Oral Suspension</a></p> <p><a href="#">CODEINE POLISTIREX 4 MG/ML</a></p> <p><a href="#">Codeine / Guaifenesin Oral Product</a></p> <p><a href="#">Acetaminophen / Codeine Oral Tablet</a></p> <p><a href="#">Acetaminophen / Codeine Oral Suspension</a></p> <p><a href="#">Codeine / Phenylephrine / Pyrilamine Oral Solution</a></p> <p><a href="#">Codeine / dexchlorpheniramine / Phenylephrine Oral Liquid Product</a></p> <p><a href="#">Codeine / Pseudoephedrine Oral Capsule</a></p> <p><a href="#">Codeine / Promethazine Oral Liquid Product</a></p> <p><a href="#">Codeine / Guaifenesin / Phenylephrine Oral Product</a></p> <p><a href="#">Codeine / Ibuprofen Oral Tablet</a></p> <p><a href="#">Codeine / Phenylephrine / Promethazine Oral Product</a></p> <p><a href="#">Codeine Phosphate 4 MG/ML</a></p> <p><a href="#">Codeine sulfate 6 MG/ML</a></p> <p><a href="#">bromodiphenhydramine / Codeine Oral Solution</a></p> <p><a href="#">Codeine / Guaifenesin Pill</a></p> <p><a href="#">Codeine Oral Tablet</a></p> <p><a href="#">Codeine / Promethazine Oral Product</a></p> <p><a href="#">Codeine sulfate 60 MG</a></p> <p><a href="#">Brompheniramine / Codeine / Phenylephrine Oral Solution</a></p> <p><a href="#">Brompheniramine / Codeine / Phenylephrine Oral Tablet</a></p> <p><a href="#">Codeine Phosphate 6 MG</a></p> <p><a href="#">Chlorpheniramine / Codeine Oral Solution</a></p> <p><a href="#">Codeine / dexchlorpheniramine / Phenylephrine Oral Product</a></p> <p><a href="#">Codeine / Ibuprofen Oral Product</a></p> <p><a href="#">Codeine Phosphate 13.5 MG</a></p>
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			<a href="#">Codeine Phosphate 12.8 MG</a> <a href="#">Codeine Phosphate 2.4 MG/ML</a> <a href="#">Codeine sulfate 15 MG</a> <a href="#">Codeine / Ibuprofen Pill</a> <a href="#">Codeine Phosphate 1.26 MG/ML</a> <a href="#">Codeine Phosphate 20 MG</a> <a href="#">Acetaminophen / Codeine Oral Capsule</a> <a href="#">Codeine / Guaifenesin / Phenylephrine Oral Solution</a> <a href="#">Codeine / Pseudoephedrine / Pyrilamine Oral Product</a> <a href="#">Codeine / Pseudoephedrine / Triprolidine Oral Tablet</a> <a href="#">Acetaminophen / Codeine / Guaifenesin / Pseudoephedrine Oral Tablet</a> <a href="#">Codeine / Kaolin Oral Liquid Product</a> <a href="#">Codeine / Phenylephrine / Triprolidine Oral Liquid Product</a> <a href="#">Acetaminophen / Chlorpheniramine / Codeine Oral Tablet</a> <a href="#">Codeine / Pseudoephedrine / Pyrilamine Oral Liquid Product</a> <a href="#">Chlorpheniramine / Codeine Oral Product</a> <a href="#">Codeine / Guaifenesin Oral Solution</a> <a href="#">chlorcyclizine / Codeine / Pseudoephedrine Oral Solution</a> <a href="#">Codeine / Phenylephrine / Pyrilamine Oral Liquid Product</a> <a href="#">Codeine Phosphate 12.5 MG</a> <a href="#">Codeine Injectable Product</a> <a href="#">chlorcyclizine / Codeine Oral Liquid Product</a> <a href="#">Chlorpheniramine / Codeine Oral Tablet</a> <a href="#">Codeine / Pseudoephedrine / Triprolidine Oral Solution</a> <a href="#">Chlorpheniramine / Codeine Extended Release Oral Tablet</a> <a href="#">Codeine Phosphate 0.5 MG/ML</a> <a href="#">Chlorpheniramine / Codeine / Pseudoephedrine Oral Liquid Product</a> <a href="#">Codeine / Pyrilamine Oral Solution</a>
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			<p><a href="#">Acetaminophen / Codeine Oral Solution</a></p> <p><a href="#">Codeine / Pseudoephedrine / Triprolidine Oral Liquid Product</a></p> <p><a href="#">Acetaminophen / Chlorpheniramine / Codeine / Phenylephrine Pill</a></p> <p><a href="#">Codeine Oral Solution</a></p> <p><a href="#">Codeine / Phenylephrine / Pyrilamine Oral Product</a></p> <p><a href="#">chlorcyclizine / Codeine Oral Solution</a></p> <p><a href="#">Acetaminophen / Codeine / Pseudoephedrine Oral Product</a></p> <p><a href="#">Codeine / Phenylephrine / Triprolidine Oral Product</a></p> <p><a href="#">Codeine / Kaolin Oral Product</a></p> <p><a href="#">Codeine / Guaifenesin Oral Capsule</a></p> <p><a href="#">Codeine Phosphate 30 MG</a></p> <p><a href="#">Acetaminophen / Chlorpheniramine / Codeine / Phenylephrine Oral Product</a></p> <p><a href="#">Brompheniramine / Codeine / Phenylephrine Oral Liquid Product</a></p> <p><a href="#">Codeine Phosphate 5 MG/ML</a></p> <p><a href="#">Aspirin / Carisoprodol / Codeine Pill</a></p> <p><a href="#">Codeine Phosphate 3 MG/ML</a></p> <p><a href="#">Codeine / dexchlorpheniramine / Phenylephrine Oral Solution</a></p> <p><a href="#">Codeine / Promethazine Oral Solution</a></p> <p><a href="#">Codeine Oral Liquid Product</a></p> <p><a href="#">Codeine 8 MG</a></p> <p><a href="#">chlorcyclizine / Codeine Oral Product</a></p> <p><a href="#">Codeine / Pseudoephedrine / Triprolidine Oral Product</a></p> <p><a href="#">Acetaminophen / Chlorpheniramine / Codeine / Pseudoephedrine Pill</a></p> <p><a href="#">Acetaminophen / Codeine / Pseudoephedrine Pill</a></p> <p><a href="#">Codeine / Phenylephrine / Triprolidine Oral Solution</a></p> <p><a href="#">Brompheniramine / Codeine / Phenylpropanolamine Oral Solution</a></p>
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			<p><a href="#">Brompheniramine / Codeine Oral Tablet</a></p> <p><a href="#">Codeine Phosphate 8 MG</a></p> <p><a href="#">Brompheniramine / Codeine / Phenylpropanolamine Oral Liquid Product</a></p> <p><a href="#">Acetaminophen / Chlorpheniramine / Codeine / Pseudoephedrine Oral Product</a></p> <p><a href="#">Chlorpheniramine / Codeine / Pseudoephedrine Oral Product</a></p> <p><a href="#">Brompheniramine / Codeine / Phenylephrine Pill</a></p> <p><a href="#">bromodiphenhydramine / Codeine Oral Liquid Product</a></p> <p><a href="#">Codeine / Phenylephrine Oral Liquid Product</a></p> <p><a href="#">Aspirin / Codeine Oral Product</a></p> <p><a href="#">Acetaminophen / Codeine / Guaifenesin / Phenylephrine Oral Tablet</a></p> <p><a href="#">Codeine Oral Product</a></p> <p><a href="#">Codeine / Phenylephrine / Promethazine Oral Solution</a></p> <p><a href="#">Codeine / Pseudoephedrine Oral Liquid Product</a></p> <p><a href="#">Brompheniramine / Codeine / Phenylephrine Oral Product</a></p> <p><a href="#">Codeine / Guaifenesin / Pseudoephedrine Oral Solution</a></p> <p><a href="#">Acetaminophen / Codeine / Guaifenesin / Phenylephrine Oral Product</a></p> <p><a href="#">Aspirin / Codeine Pill</a></p> <p><a href="#">Codeine / Pseudoephedrine / Triprolidine Pill</a></p> <p><a href="#">chlorcyclizine / Codeine / Pseudoephedrine Oral Liquid Product</a></p> <p><a href="#">bromodiphenhydramine / Codeine Oral Product</a></p> <p><a href="#">Codeine / Pseudoephedrine / Pyrilamine Oral Solution</a></p> <p><a href="#">Codeine Phosphate 1.6 MG/ML</a></p> <p><a href="#">Codeine / Pseudoephedrine Oral Solution</a></p> <p><a href="#">Acetaminophen / Codeine / Pseudoephedrine Oral Tablet</a></p> <p><a href="#">Acetaminophen / Codeine Oral Product</a></p>
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			<a href="#"><u>Codeine / Phenylephrine Oral Product</u></a> <a href="#"><u>Acetaminophen / Codeine Oral Liquid Product</u></a> <a href="#"><u>Chlorpheniramine / Codeine / Phenylephrine Oral Liquid Product</u></a> <a href="#"><u>Codeine Phosphate 16 MG</u></a> <a href="#"><u>Codeine / Guaifenesin / Phenylephrine Pill</u></a> <a href="#"><u>Codeine / Guaifenesin Oral Tablet</u></a> <a href="#"><u>Brompheniramine / Codeine / Phenylpropanolamine Oral Product</u></a> <a href="#"><u>Codeine Phosphate 2 MG/ML</u></a> <a href="#"><u>Chlorpheniramine / Codeine / Pseudoephedrine Oral Solution</u></a> <a href="#"><u>Brompheniramine / Codeine / Pseudoephedrine Oral Liquid Product</u></a> <a href="#"><u>Acetaminophen / Codeine / Guaifenesin / Phenylephrine Pill</u></a> <a href="#"><u>Codeine / Guaifenesin / Pseudoephedrine Oral Tablet</u></a> <a href="#"><u>Chlorpheniramine / Codeine Oral Suspension</u></a> <a href="#"><u>Codeine / Pseudoephedrine Oral Product</u></a> <a href="#"><u>Codeine / Guaifenesin / Pseudoephedrine Oral Product</u></a> <a href="#"><u>Codeine / Phenylephrine Oral Solution</u></a> <a href="#"><u>Codeine Pill</u></a> <a href="#"><u>Codeine Phosphate 0.6 MG/ML</u></a> <a href="#"><u>Acetaminophen / Codeine Pill</u></a> <a href="#"><u>Codeine Phosphate 30 MG/ML</u></a> <a href="#"><u>Acetaminophen / Chlorpheniramine / Codeine / Phenylephrine Oral Capsule</u></a> <a href="#"><u>Chlorpheniramine / Codeine / Phenylephrine Oral Product</u></a> <a href="#"><u>Codeine Phosphate 1.27 MG/ML</u></a> <a href="#"><u>Acetaminophen / butalbital / Caffeine / Codeine Oral Capsule</u></a> <a href="#"><u>Codeine / Ibuprofen Extended Release Oral Tablet</u></a> <a href="#"><u>Chlorpheniramine / Codeine / Phenylephrine Oral Solution</u></a> <a href="#"><u>Caffeine / Codeine / Pheniramine / Phenylephrine / Salicylic Acid Oral Liquid Product</u></a>
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			<a href="#">chlorcyclizine / Codeine / Pseudoephedrine Oral Product</a> <a href="#">Caffeine / Codeine / Pheniramine / Phenylephrine / Salicylic Acid Oral Solution</a> <a href="#">Codeine / Pseudoephedrine Pill</a> <a href="#">Aspirin / Carisoprodol / Codeine Oral Tablet</a> <a href="#">Codeine Phosphate 1.2 MG/ML Brompheniramine / Codeine / Pseudoephedrine Oral Solution</a> <a href="#">Codeine Phosphate 1.5 MG/ML Aspirin / butalbital / Caffeine / Codeine Pill</a> <a href="#">Codeine Injectable Solution</a> <a href="#">Brompheniramine / Codeine / Pseudoephedrine Oral Product</a> <a href="#">Codeine Phosphate 1.8 MG/ML Chlorpheniramine / Codeine Oral Liquid Product</a> <a href="#">Codeine / Guaifenesin / Pseudoephedrine Pill</a> <a href="#">Codeine Phosphate 15 MG/ML Codeine / Pyrilamine Oral Liquid Product</a> <a href="#">Aspirin / butalbital / Caffeine / Codeine Oral Product</a>
OXYCODONE	Rxnorm	C0030049	
			<a href="#">oxycodone terephthalate</a> <a href="#">Oxycodone Hydrochloride</a>
			<a href="#">Endocet</a> <a href="#">Roxicodone</a> <a href="#">Percodan Reformulated May 2009</a> <a href="#">Endodan Reformulated May 2009</a> <a href="#">Primlev</a> <a href="#">Xolox</a> <a href="#">Targiniq</a> <a href="#">Oxecta</a> <a href="#">Oxyfast</a> <a href="#">Magnacet</a> <a href="#">Percocet</a> <a href="#">Xtampza</a> <a href="#">Xartemis</a> <a href="#">Roxicet</a> <a href="#">Oxycontin</a> <a href="#">Oxaydo</a>

			<p><a href="#">Oxycodone 36 MG</a> <a href="#">Acetaminophen / Oxycodone Pill</a> <a href="#">Oxycodone 13.5 MG</a> <a href="#">Oxycodone Hydrochloride 7.5 MG</a> <a href="#">Oxycodone Hydrochloride 60 MG</a> <a href="#">Oxycodone Hydrochloride 2.5 MG</a> <a href="#">Oxycodone Oral Tablet</a> <a href="#">Oxycodone 18 MG</a> <a href="#">oxycodone terephthalate 0.38 MG</a> <a href="#">Oxycodone Hydrochloride 10 MG</a> <a href="#">Oxycodone Hydrochloride 1</a> <a href="#">MG/ML</a> <a href="#">Oxycodone Hydrochloride 4.84</a> <a href="#">MG</a> <a href="#">Aspirin / Oxycodone Oral Tablet</a> <a href="#">Oxycodone Hydrochloride 20 MG</a> <a href="#">Acetaminophen / Oxycodone Oral</a> <a href="#">Solution</a> <a href="#">Oxycodone Hydrochloride 4.5 MG</a> <a href="#">oxycodone terephthalate 0.19 MG</a> <a href="#">Acetaminophen / Oxycodone Oral</a> <a href="#">Tablet</a> <a href="#">Oxycodone Hydrochloride 40 MG</a> <a href="#">Oxycodone Injectable Solution</a> <a href="#">Oxycodone 9 MG</a> <a href="#">Oxycodone 27 MG</a> <a href="#">Oxycodone Hydrochloride 10</a> <a href="#">MG/ML</a> <a href="#">Oxycodone Hydrochloride 80 MG</a> <a href="#">Acetaminophen / Oxycodone</a> <a href="#">Extended Release Oral Tablet</a> <a href="#">Oxycodone Hydrochloride 160 MG</a> <a href="#">Oxycodone Extended Release Oral</a> <a href="#">Capsule</a> <a href="#">Naloxone / Oxycodone Oral</a> <a href="#">Product</a> <a href="#">Acetaminophen / Oxycodone Oral</a> <a href="#">Capsule</a> <a href="#">Oxycodone Oral Solution</a> <a href="#">Oxycodone Injectable Product</a> <a href="#">Oxycodone Hydrochloride 20</a> <a href="#">MG/ML</a> <a href="#">Oxycodone Hydrochloride 30 MG</a> <a href="#">Oxycodone Extended Release Oral</a> <a href="#">Tablet</a> <a href="#">Oxycodone Oral Liquid Product</a> <a href="#">Ibuprofen / Oxycodone Pill</a> <a href="#">Ibuprofen / Oxycodone Oral</a> <a href="#">Tablet</a></p>
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			<a href="#">Ibuprofen / Oxycodone Oral Product</a> <a href="#">Naloxone / Oxycodone Pill</a> <a href="#">Acetaminophen / Oxycodone Oral Product</a> <a href="#">Naloxone / Oxycodone Extended Release Oral Tablet</a> <a href="#">Aspirin / Oxycodone Oral Product Oxycodone Pill</a> <a href="#">Oxycodone Hydrochloride 5 MG Oxycodone Oral Product</a> <a href="#">Oxycodone Hydrochloride 15 MG Acetaminophen / Oxycodone Oral Liquid Product</a> <a href="#">Aspirin / Oxycodone Pill</a> <a href="#">Oxycodone Oral Capsule</a> <a href="#">Oxycodone Hydrochloride 2.25 MG</a>
HYDROMORPHONE	RxNorm	C0012306	
			<a href="#">Hydromorphone Hydrochloride</a>
			<a href="#">Dilaudid Cough</a> <a href="#">Dilaudid</a> <a href="#">Exalgo</a>
			<a href="#">Hydromorphone Hydrochloride 1 MG</a> <a href="#">Hydromorphone Hydrochloride 30 MG</a> <a href="#">Hydromorphone Hydrochloride 4 MG/ML</a> <a href="#">Hydromorphone Hydrochloride 12 MG</a> <a href="#">Hydromorphone Injectable Solution</a> <a href="#">Guaifenesin / Hydromorphone Oral Solution</a> <a href="#">Hydromorphone Hydrochloride 3 MG</a> <a href="#">Hydromorphone Hydrochloride 1.3 MG</a> <a href="#">Hydromorphone Hydrochloride 250 MG</a> <a href="#">Hydromorphone Hydrochloride 0.005 MG/ML</a> <a href="#">Hydromorphone Injectable Product</a>



			<a href="#">Hydromorphone Hydrochloride 4 MG</a> <a href="#">Hydromorphone Prefilled Syringe</a> <a href="#">Hydromorphone Hydrochloride 1 MG/ML</a> <a href="#">Hydromorphone Hydrochloride 0.02 MG/ML</a> <a href="#">Hydromorphone Oral Liquid Product</a> <a href="#">Hydromorphone Extended Release Oral Capsule</a> <a href="#">Hydromorphone Pill</a> <a href="#">Hydromorphone Hydrochloride 24 MG</a> <a href="#">Hydromorphone Cartridge</a> <a href="#">Hydromorphone Oral Product</a> <a href="#">Hydromorphone Hydrochloride 32 MG</a> <a href="#">Hydromorphone Oral Tablet</a> <a href="#">Hydromorphone Hydrochloride 10 MG/ML</a> <a href="#">Hydromorphone Rectal Product</a> <a href="#">Hydromorphone Hydrochloride 8 MG</a> <a href="#">Hydromorphone Extended Release Oral Tablet</a> <a href="#">Hydromorphone Hydrochloride 16 MG</a> <a href="#">Hydromorphone Oral Capsule</a> <a href="#">Hydromorphone Hydrochloride 2.6 MG</a> <a href="#">Bupivacaine / Hydromorphone Injectable Solution</a> <a href="#">Hydromorphone Hydrochloride 2 MG/ML</a> <a href="#">Hydromorphone Hydrochloride 2 MG</a> <a href="#">Hydromorphone Hydrochloride 0.01 MG/ML</a> <a href="#">Hydromorphone Hydrochloride 6 MG</a> <a href="#">Hydromorphone Oral Solution</a> <a href="#">Hydromorphone Rectal Suppository</a> <a href="#">Bupivacaine / Hydromorphone Injectable Product</a> <a href="#">Hydromorphone Injection</a>
HYDROCODONE		C0020264	

			<a href="#">HYDROCODONE RESIN COMPLEX</a> <a href="#">HYDROCODONE POLISTIREX</a> <a href="#">HYDROCODONE HCL</a> <a href="#">Hydrocodone Bitartrate</a> <a href="#">hydrocodone tannate</a>
			<a href="#">Zotex HC</a> <a href="#">De-Chlor G</a> <a href="#">Vituz</a> <a href="#">Su-Tuss HD</a> <a href="#">Drituss HD</a> <a href="#">Zohydro</a> <a href="#">Rezira</a> <a href="#">Lortab</a> <a href="#">Norco</a> <a href="#">Co-Gesic</a> <a href="#">Nazarin HC</a> <a href="#">Hydro-PC II</a> <a href="#">Hyphed</a> <a href="#">Simuc-HD</a> <a href="#">Xodol</a> <a href="#">Nalex Expectorant</a> <a href="#">Poly-Tussin</a> <a href="#">Bromplex HD</a> <a href="#">Hycet</a> <a href="#">Drotuss CP</a> <a href="#">P-V-Tussin</a> <a href="#">Zydone</a> <a href="#">Hydrofed</a> <a href="#">Maxidone</a> <a href="#">Vicodin Tuss</a> <a href="#">Vanacon</a> <a href="#">Hydron CP</a> <a href="#">Z-Cof HC</a> <a href="#">Zamicet</a> <a href="#">Hydromet</a> <a href="#">Hydro GP</a> <a href="#">Ibudone</a> <a href="#">Dytan-HC</a> <a href="#">De-Chlor HC</a> <a href="#">Exetuss HC</a> <a href="#">Hydron KGS</a> <a href="#">Vazotuss HC</a> <a href="#">Xylon</a> <a href="#">De-Chlor NX</a> <a href="#">Tussigon</a> <a href="#">Hy-Phen</a> <a href="#">Damason-P</a> <a href="#">KGS HC</a> <a href="#">Hycofenix</a>

			<a href="#">Triant-HC</a> <a href="#">Zolvit</a> <a href="#">Entuss-D Liquid</a> <a href="#">Relasin HC</a> <a href="#">Zutripro</a> <a href="#">Tussionex</a> <a href="#">P-V-Tussin Syrup</a> <a href="#">Lorcet</a> <a href="#">Vicodin</a> <a href="#">Hydron PCS</a> <a href="#">TussiCaps</a> <a href="#">Cytuss-HC NR</a> <a href="#">De-Chlor MR</a> <a href="#">Vicoprofen</a> <a href="#">Prolex DH</a> <a href="#">Flowtuss</a> <a href="#">S-T Forte 2</a> <a href="#">Hy-KXP</a> <a href="#">Reprexain</a> <a href="#">Ventuss</a> <a href="#">Obredon</a> <a href="#">Hysingla</a> <a href="#">Zyfel</a> <a href="#">Verdrocet</a> <a href="#">Maxi-Tuss HC</a> <a href="#">Hydron EX</a> <a href="#">Nariz HC</a> <a href="#">B-Tuss</a> <a href="#">Hycodan</a> <a href="#">Phena-HC</a>
			<a href="#">Hydrocodone Bitartrate 0.667 MG/ML</a> <a href="#">guaiacolsulfonate / Hydrocodone Oral Liquid Product</a> <a href="#">Hydrocodone / Phenylephrine Oral Product</a> <a href="#">Hydrocodone 40 MG</a> <a href="#">Chlorpheniramine / Hydrocodone / Pseudoephedrine Oral Solution</a> <a href="#">Guaifenesin / Hydrocodone / Pseudoephedrine Oral Liquid Product</a> <a href="#">Hydrocodone Bitartrate 5 MG</a> <a href="#">Hydrocodone / Phenylephrine Oral Solution</a> <a href="#">Chlorpheniramine / Hydrocodone / Phenylephrine / Pyrilamine Oral Liquid Product</a>

			<p><a href="#">Hydrocodone Bitartrate 1.2 MG/ML</a> <a href="#">guaiacolsulfonate / Hydrocodone Oral Product</a> <a href="#">Guaifenesin / Hydrocodone / Phenylephrine Oral Solution</a> <a href="#">Hydrocodone Bitartrate 0.34 MG/ML</a> <a href="#">Brompheniramine / Hydrocodone / Pseudoephedrine Oral Solution</a> <a href="#">Guaifenesin / Hydrocodone / Pseudoephedrine Oral Product</a> <a href="#">dexchlorpheniramine / Hydrocodone / Phenylephrine Oral Liquid Product</a> <a href="#">Hydrocodone / Pseudoephedrine Oral Tablet</a> <a href="#">Hydrocodone Bitartrate 0.5 MG/ML</a> <a href="#">homatropine / Hydrocodone Oral Solution</a> <a href="#">Hydrocodone Oral Product</a> <a href="#">Aspirin / Hydrocodone Oral Tablet</a> <a href="#">Chlorpheniramine / Hydrocodone Extended Release Oral Capsule</a> <a href="#">dexchlorpheniramine / Hydrocodone / Phenylephrine Oral Product</a> <a href="#">Hydrocodone Bitartrate 0.6 MG/ML</a> <a href="#">Brompheniramine / Hydrocodone / Phenylephrine Oral Liquid Product</a> <a href="#">Hydrocodone Pill</a> <a href="#">Chlorpheniramine / Hydrocodone / Phenylephrine Oral Solution</a> <a href="#">Hydrocodone 120 MG</a> <a href="#">Hydrocodone Bitartrate 40 MG</a> <a href="#">Chlorpheniramine / Hydrocodone Extended Release Suspension</a> <a href="#">Hydrocodone 100 MG</a> <a href="#">HYDROCODONE POLISTIREX 10 MG</a> <a href="#">Hydrocodone Bitartrate 0.7 MG/ML</a> <a href="#">dexchlorpheniramine / Hydrocodone / Phenylephrine Oral Solution</a> <a href="#">Guaifenesin / Hydrocodone Oral Tablet</a></p>
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			<a href="#">Hydrocodone Bitartrate 0.9 MG/ML</a> <a href="#">Hydrocodone Bitartrate 0.75 MG/ML</a> <a href="#">Hydrocodone 60 MG</a> <a href="#">Brompheniramine / Hydrocodone / Phenylephrine Oral Product</a> <a href="#">guaiacolsulfonate / Hydrocodone Oral Solution</a> <a href="#">Hydrocodone / Pseudoephedrine Pill</a> <a href="#">Chlorpheniramine / Hydrocodone Oral Liquid Product</a> <a href="#">Hydrocodone / Phenylephrine / Pyrilamine Oral Solution</a> <a href="#">Hydrocodone Bitartrate 15 MG</a> <a href="#">Hydrocodone / Pseudoephedrine Oral Solution</a> <a href="#">Diphenhydramine / Hydrocodone / Phenylephrine Extended Release Suspension</a> <a href="#">HYDROCODONE POLISTIREX 2 MG/ML</a> <a href="#">Guaifenesin / Hydrocodone Oral Liquid Product</a> <a href="#">Hydrocodone Bitartrate 0.8 MG/ML</a> <a href="#">Hydrocodone / Pseudoephedrine Oral Liquid Product</a> <a href="#">Hydrocodone Bitartrate 50 MG</a> <a href="#">hydrocodone tannate 0.7 MG/ML</a> <a href="#">homatropine / Hydrocodone Oral Product</a> <a href="#">Chlorpheniramine / Hydrocodone Oral Product</a> <a href="#">Brompheniramine / Hydrocodone / Pseudoephedrine Oral Liquid Product</a> <a href="#">Guaifenesin / Hydrocodone Oral Product</a> <a href="#">Hydrocodone Bitartrate 0.65 MG/ML</a> <a href="#">Chlorpheniramine / Hydrocodone Oral Solution</a> <a href="#">Hydrocodone Bitartrate 2.5 MG</a> <a href="#">Chlorpheniramine / Hydrocodone / Phenylephrine / Pyrilamine Oral Product</a> <a href="#">Hydrocodone Bitartrate 0.333 MG/ML</a>
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			<p><a href="#">homatropine / Hydrocodone Oral Liquid Product</a></p> <p><a href="#">Hydrocodone / Pseudoephedrine Oral Product</a></p> <p><a href="#">Brompheniramine / Hydrocodone / Pseudoephedrine Oral Product</a></p> <p><a href="#">homatropine / Hydrocodone Pill</a></p> <p><a href="#">dextbrompheniramine / Hydrocodone / Phenylephrine Oral Product</a></p> <p><a href="#">Hydrocodone 30 MG</a></p> <p><a href="#">Chlorpheniramine / Hydrocodone / Phenylephrine / Pyrilamine Oral Suspension</a></p> <p><a href="#">Hydrocodone Bitartrate 0.334 MG/ML</a></p> <p><a href="#">Chlorpheniramine / Hydrocodone Pill</a></p> <p><a href="#">Guaifenesin / Hydrocodone / Pseudoephedrine Oral Solution</a></p> <p><a href="#">Guaifenesin / Hydrocodone Pill</a></p> <p><a href="#">Hydrocodone / Ibuprofen Oral Product</a></p> <p><a href="#">Acetaminophen / Hydrocodone Oral Capsule</a></p> <p><a href="#">dextbrompheniramine / Hydrocodone / Phenylephrine Oral Liquid Product</a></p> <p><a href="#">Chlorpheniramine / Hydrocodone / Phenylephrine Oral Liquid Product</a></p> <p><a href="#">Hydrocodone Bitartrate 0.4 MG/ML</a></p> <p><a href="#">Diphenhydramine / Hydrocodone / Phenylephrine Oral Solution</a></p> <p><a href="#">Brompheniramine / Guaifenesin / Hydrocodone Oral Liquid Product</a></p> <p><a href="#">Chlorpheniramine / Hydrocodone / Phenylephrine Oral Product</a></p> <p><a href="#">Hydrocodone Bitartrate 20 MG</a></p> <p><a href="#">Hydrocodone / Ibuprofen Pill</a></p> <p><a href="#">Brompheniramine / Guaifenesin / Hydrocodone Oral Product</a></p> <p><a href="#">Hydrocodone / Phenylephrine / Pyrilamine Oral Liquid Product</a></p> <p><a href="#">Hydrocodone 20 MG</a></p> <p><a href="#">Guaifenesin / Hydrocodone / Phenylephrine Oral Liquid Product</a></p> <p><a href="#">Hydrocodone Bitartrate 1 MG/ML</a></p>
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			<p><a href="#">Diphenhydramine / Hydrocodone / Phenylephrine Oral Liquid Product</a></p> <p><a href="#">Hydrocodone Extended Release Oral Capsule</a></p> <p><a href="#">Hydrocodone Extended Release Oral Tablet</a></p> <p><a href="#">Hydrocodone 80 MG</a></p> <p><a href="#">Hydrocodone / Phenylephrine / Pyrilamine Oral Product</a></p> <p><a href="#">Acetaminophen / Hydrocodone Oral Liquid Product</a></p> <p><a href="#">Chlorpheniramine / Hydrocodone / Pseudoephedrine Oral Liquid Product</a></p> <p><a href="#">Acetaminophen / Hydrocodone Oral Tablet</a></p> <p><a href="#">Guaifenesin / Hydrocodone / Phenylephrine Oral Product</a></p> <p><a href="#">Hydrocodone Bitartrate 10 MG</a></p> <p><a href="#">Diphenhydramine / Hydrocodone / Phenylephrine Oral Product</a></p> <p><a href="#">Hydrocodone Bitartrate 0.67 MG/ML</a></p> <p><a href="#">Aspirin / Hydrocodone Pill</a></p> <p><a href="#">HYDROCODONE POLISTIREX 5 MG</a></p> <p><a href="#">Hydrocodone / Ibuprofen Oral Tablet</a></p> <p><a href="#">Brompheniramine / Hydrocodone / Phenylephrine Extended Release Suspension</a></p> <p><a href="#">Hydrocodone Bitartrate 7.5 MG</a></p> <p><a href="#">Aspirin / Hydrocodone Oral Product</a></p> <p><a href="#">Acetaminophen / Hydrocodone Oral Solution</a></p> <p><a href="#">Acetaminophen / Hydrocodone Oral Product</a></p> <p><a href="#">Chlorpheniramine / Hydrocodone / Pseudoephedrine Oral Product</a></p> <p><a href="#">homatropine / Hydrocodone Oral Tablet</a></p> <p><a href="#">Hydrocodone Bitartrate 30 MG</a></p> <p><a href="#">Hydrocodone / Phenylephrine Oral Liquid Product</a></p> <p><a href="#">Brompheniramine / Guaifenesin / Hydrocodone Oral Solution</a></p> <p><a href="#">dextbrompheniramine / Hydrocodone / Phenylephrine Oral Solution</a></p>
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			<a href="#">Guaifenesin / Hydrocodone Oral Solution</a> <a href="#">Hydrocodone Oral Tablet</a> <a href="#">Acetaminophen / Hydrocodone Pill</a>
OXYMORPHONE		C0030073	<a href="#">Oxymorphone Hydrochloride</a>
			<a href="#">Opana</a>
			<a href="#">Oxymorphone Hydrochloride 7.5 MG</a> <a href="#">Oxymorphone Oral Product</a> <a href="#">Oxymorphone Injectable Product</a> <a href="#">Oxymorphone Hydrochloride 1.5 MG/ML</a> <a href="#">Oxymorphone Pill</a> <a href="#">Oxymorphone Rectal Suppository</a> <a href="#">Oxymorphone Rectal Product</a> <a href="#">Oxymorphone Hydrochloride 10 MG</a> <a href="#">Oxymorphone Extended Release Oral Tablet</a> <a href="#">Oxymorphone Hydrochloride 5 MG</a> <a href="#">Oxymorphone Hydrochloride 1 MG/ML</a> <a href="#">Oxymorphone Hydrochloride 15 MG</a> <a href="#">Oxymorphone Injectable Solution</a> <a href="#">Oxymorphone Hydrochloride 20 MG</a> <a href="#">Oxymorphone Hydrochloride 30 MG</a> <a href="#">Oxymorphone Oral Tablet</a> <a href="#">Oxymorphone Hydrochloride 40 MG</a>
TRAMADOL		C3212081	<a href="#">Tramadol</a>
			<a href="#">Ryzolt Pill</a> <a href="#">ConZip Pill</a> <a href="#">Ultram Pill</a>
			<a href="#">24 HR tramadol hydrochloride 200 MG Extended Release Oral Capsule</a>



			<a href="#">24 HR tramadol hydrochloride 300 MG Extended Release Oral Capsule</a> <a href="#">24 HR tramadol hydrochloride 300 MG Extended Release Oral Tablet</a> <a href="#">tramadol hydrochloride 50 MG Oral Capsule</a> <a href="#">24 HR tramadol hydrochloride 400 MG Extended Release Oral Tablet</a> <a href="#">24 HR tramadol hydrochloride 100 MG Extended Release Oral Tablet</a> <a href="#">Tramadol Extended Release Oral Tablet</a> <a href="#">24 HR tramadol hydrochloride 100 MG Extended Release Oral Capsule</a> <a href="#">24 HR tramadol hydrochloride 150 MG Extended Release Oral Capsule</a> <a href="#">tramadol hydrochloride 50 MG Oral Tablet</a> <a href="#">tramadol hydrochloride 50 MG Extended Release Oral Capsule</a> <a href="#">tramadol hydrochloride 75 MG Extended Release Oral Tablet</a> <a href="#">Tramadol Disintegrating Oral Tablet</a> <a href="#">Tramadol Oral Tablet</a> <a href="#">24 HR tramadol hydrochloride 150 MG Extended Release Oral Tablet</a> <a href="#">tramadol hydrochloride 50 MG Disintegrating Oral Tablet</a> <a href="#">24 HR tramadol hydrochloride 200 MG Extended Release Oral Tablet</a> <a href="#">Tramadol Oral Capsule</a> <a href="#">Tramadol Extended Release Oral Capsule</a>
METHADONE		C0025605	<a href="#">Methadone Hydrochloride</a>
			<a href="#">Dolophine</a> <a href="#">Methadose</a>
			<a href="#">Methadone Hydrochloride 50 MG/ML</a> <a href="#">Methadone Pill</a> <a href="#">Methadone Hydrochloride 1 MG/ML</a> <a href="#">Methadone Hydrochloride 25 MG/ML</a>

			<a href="#">Methadone Hydrochloride 2 MG/ML</a> <a href="#">Methadone Hydrochloride 20 MG/ML</a> <a href="#">Methadone Injectable Product</a> <a href="#">Methadone Hydrochloride 0.333 MG/ML</a> <a href="#">Methadone Hydrochloride 0.4 MG/ML</a> <a href="#">Methadone Injectable Solution</a> <a href="#">Methadone Hydrochloride 10 MG</a> <a href="#">Methadone Oral Suspension</a> <a href="#">Methadone Oral Liquid Product</a> <a href="#">Methadone Hydrochloride 5 MG</a> <a href="#">Methadone Oral Tablet</a> <a href="#">Methadone Oral Solution</a> <a href="#">Methadone Oral Product</a> <a href="#">Methadone Hydrochloride 10 MG/ML</a>
MEPERIDINE	RxNorm	C0025376	<a href="#">Meperidine Hydrochloride</a>
			<a href="#">Demerol</a>
			<a href="#">Meperidine Hydrochloride 75 MG</a> <a href="#">Meperidine Pill</a> <a href="#">Meperidine Hydrochloride 150 MG</a> <a href="#">Meperidine Oral Solution</a> <a href="#">Meperidine Injectable Solution</a> <a href="#">Meperidine Oral Tablet</a> <a href="#">Meperidine Hydrochloride 100 MG</a> <a href="#">Meperidine Hydrochloride 50 MG/ML</a> <a href="#">Meperidine Hydrochloride 75 MG/ML</a> <a href="#">Meperidine Hydrochloride 100 MG/ML</a> <a href="#">Meperidine / Promethazine Oral Capsule</a> <a href="#">Meperidine / Promethazine Pill</a> <a href="#">Meperidine / Promethazine Oral Product</a> <a href="#">Meperidine Hydrochloride 25 MG/ML</a> <a href="#">Meperidine Hydrochloride 10 MG/ML</a> <a href="#">Meperidine Injectable Product</a> <a href="#">Meperidine Hydrochloride 50 MG</a> <a href="#">Meperidine Oral Liquid Product</a> <a href="#">Meperidine Injection</a>

			<a href="#">Meperidine Oral Product</a> <a href="#">Meperidine Cartridge</a>
ACETAMINOPHEN			
ACETAMINOPHEN	RxNorm	C0000970	
			<a href="#">Anacin AF</a> <a href="#">Mapap Sinus Congestion and Pain Capital and Codeine</a> <a href="#">Levacet</a> <a href="#">Qlearquil Daytime Sinus &amp; Congestion</a> <a href="#">Dolofin Infantil</a> <a href="#">Tylenol Cold Relief Nighttime</a> <a href="#">Trezix</a> <a href="#">Endocet</a> <a href="#">PediaCare Cough &amp; Sore Throat Plus APAP</a> <a href="#">Theraflu Flu &amp; Chest Congestion</a> <a href="#">Dologesic</a> <a href="#">Relagesic</a> <a href="#">Excedrin Quick Tab</a> <a href="#">Zflex</a> <a href="#">Lortab</a> <a href="#">Acetadryl</a> <a href="#">Midol PM Reformulated Apr 2011</a> <a href="#">Alagesic</a> <a href="#">Tylenol Chest Congestion</a> <a href="#">Norco</a> <a href="#">Co-Gesic</a> <a href="#">Tempra 2</a> <a href="#">Dolgic Plus</a> <a href="#">Alka-Seltzer Plus Cold and Sinus</a> <a href="#">Percogesic Reformulated Jan 2011</a> <a href="#">Codrix</a> <a href="#">Repan</a> <a href="#">Maxiflu CD</a> <a href="#">Esgic</a> <a href="#">Sedalmex</a> <a href="#">Nodolor</a> <a href="#">Backaid</a> <a href="#">Xodol</a> <a href="#">Arthriten Inflammatory Pain</a> <a href="#">Comtrex Sore Throat Relief</a> <a href="#">Actamin</a> <a href="#">Painaid ESF</a>

			<a href="#">Anacin Advanced Headache Formula</a> <a href="#">Excedrin Mild Headache</a> <a href="#">Sudafed PE Sinus Headache XL-DOL</a> <a href="#">Contac Cold and Flu Non Drowsy Maximum Strength</a> <a href="#">Bactimicina</a> <a href="#">Fortolin</a> <a href="#">Tylenol Childrens Plus Cough &amp; Sore Throat</a> <a href="#">Hycet</a> <a href="#">Ofirmev</a> <a href="#">Womens Tylenol Menstrual Relief</a> <a href="#">Exaprin</a> <a href="#">Sinutab Sinus</a> <a href="#">Zydone</a> <a href="#">Tempra</a> <a href="#">Allerest No Drowsiness</a> <a href="#">Excedrin Sinus</a> <a href="#">Pamprin Multi-Symptom</a> <a href="#">Feverall</a> <a href="#">Mygrex</a> <a href="#">Orbivan</a> <a href="#">Syncol</a> <a href="#">Maxidone</a> <a href="#">Infantaire</a> <a href="#">Anabar</a> <a href="#">Talacen</a> <a href="#">Panadol PM</a> <a href="#">Vanatol</a> <a href="#">Tylenol PM</a> <a href="#">Marten-Tab</a> <a href="#">CounterAct Pain</a> <a href="#">Cafgesic</a> <a href="#">Ringl</a> <a href="#">Goody's PM</a> <a href="#">Counteract PM</a> <a href="#">Apra</a> <a href="#">Ephed Plus Cold Flu and Sinus</a> <a href="#">Zamicet</a> <a href="#">Ninjacof A</a> <a href="#">Unisom with Pain Relief</a> <a href="#">Sine-Off Maximum Strength</a> <a href="#">Comtrex Deep Chest Cold Non Drowsy</a> <a href="#">Uricalm Intensive</a> <a href="#">Tylenol with Codeine</a> <a href="#">Panlor DC Reformulated Jan 2008</a> <a href="#">Prodrin</a>
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			<a href="#">Medigesic</a> <a href="#">Triaminic Softchews Cough &amp; Sore Throat Reformulated Jul 2007</a> <a href="#">Coricidin Night Time Cold Relief</a> <a href="#">Excedrin PM Triple Action</a> <a href="#">Cetafen</a> <a href="#">Tencon</a> <a href="#">Ornex</a> <a href="#">Bayer Migraine</a> <a href="#">Yinchiao Fast Relief Flu</a> <a href="#">Nexafed Sinus and Pain</a> <a href="#">Zgesic</a> <a href="#">Panadol</a> <a href="#">Midol Teen</a> <a href="#">Vanquish</a> <a href="#">Hy-Phen</a> <a href="#">Painaid BRF</a> <a href="#">Primlev</a> <a href="#">Cotabflu</a> <a href="#">Pediacare Children's Fever</a> <a href="#">Reducer Pain Reliever</a> <a href="#">Tylenol</a> <a href="#">Acephen</a> <a href="#">Xolox</a> <a href="#">Zolvit</a> <a href="#">Goody's Headache Relief Shot</a> <a href="#">Elixsure Fever/Pain</a> <a href="#">Robitussin Peak Cold Nasal</a> <a href="#">Ultracet</a> <a href="#">Un-Aspirin</a> <a href="#">Painaid</a> <a href="#">Coltalin ND</a> <a href="#">Tempra Quicklets</a> <a href="#">Pamprin Max Formula</a> <a href="#">Duradrin</a> <a href="#">Lorcet</a> <a href="#">Vicodin</a> <a href="#">BF-Paradac</a> <a href="#">Panadol Cold &amp; Flu Non Drowsy</a> <a href="#">Little Fevers</a> <a href="#">DayQuil Sinex</a> <a href="#">Midol PMS Maximum Strength</a> <a href="#">Frenadol</a> <a href="#">Tylenol Sinus</a> <a href="#">Nanomol suspension</a> <a href="#">Backaid IPF</a> <a href="#">Saleto</a> <a href="#">Midrin</a> <a href="#">Darvocet</a> <a href="#">Nortemp</a>
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			<a href="#">Magnacet</a> <a href="#">Tycolene</a> <a href="#">Legatrin PM</a> <a href="#">Dologesic Reformulated Jun 2016</a> <a href="#">Excedrin Sinus Headache</a> <a href="#">Phrenilin</a> <a href="#">Colrex</a> <a href="#">Percocet</a> <a href="#">Fioricet with Codeine</a> <a href="#">Goody's Body Pain</a> <a href="#">By Ache</a> <a href="#">Triaminic Fever &amp; Pain</a> <a href="#">PediaCare Infant Fever Pain</a> <a href="#">Reliever</a> <a href="#">Goody's Extra Strength</a> <a href="#">Mapap</a> <a href="#">Pamprin Cramp Formula</a> <a href="#">Goody's Migraine Relief</a> <a href="#">Mapap PM</a> <a href="#">Excedrin Back &amp; Body</a> <a href="#">Prensyn PMS</a> <a href="#">Backprin</a> <a href="#">Excedrin Tension Headache</a> <a href="#">Bupap</a> <a href="#">Alka-Seltzer Cold and Sinus</a> <a href="#">Triaminic Cough &amp; Sore Throat</a> <a href="#">Reformulated Jul 2007</a> <a href="#">Tylenol Sinus Congestion and Pain</a> <a href="#">Daytime</a> <a href="#">Midol Complete</a> <a href="#">Triaminic Softchews Allergy Sinus</a> <a href="#">Pharbetol</a> <a href="#">Capacet</a> <a href="#">Xartemis</a> <a href="#">Promacet</a> <a href="#">Excedrin</a> <a href="#">Vitapap</a> <a href="#">Fioricet</a> <a href="#">Goody's Back &amp; Body Pain Relief</a> <a href="#">Dilotab</a> <a href="#">Sine-Off Maximum Strength</a> <a href="#">Reformulated Sep 2008</a> <a href="#">Dologen</a> <a href="#">Midol PM</a> <a href="#">Wal-Flu Severe Cold</a> <a href="#">Tylenol Severe Allergy</a> <a href="#">Pacaps</a> <a href="#">Rhinoflex</a> <a href="#">Zyfrel</a> <a href="#">Ed Flex</a>
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			<a href="#">Verdrocet</a> <a href="#">Roxicet</a> <a href="#">Coricidin HBP Cold &amp; Flu</a> <a href="#">Pediapcare Infant Fever Reducer</a> <a href="#">Midol Maximum Strength</a> <a href="#">Menstrual</a> <a href="#">Excedrin PM</a> <a href="#">Supac</a> <a href="#">Margesic</a> <a href="#">Zebutal</a> <a href="#">Sedapap</a> <a href="#">Tactinal</a>
NSAIDs			
IBUPROFEN	RxNorm	C0020740	<a href="#">solufenum</a> <a href="#">Ibuprofen, Sodium Salt</a> <a href="#">PediaCare Children's Pain &amp; Fever w/ Ibuprofen</a> <a href="#">Ibutab</a> <a href="#">Advil Children's Cold</a> <a href="#">Neoprofen</a> <a href="#">Advil PM Liqui Gels</a> <a href="#">Caldolor</a> <a href="#">Wal-Profen Cold and Sinus</a> <a href="#">Genpril</a> <a href="#">Ibudone</a> <a href="#">Motrin PM</a> <a href="#">Xylon</a> <a href="#">Nuprin</a> <a href="#">Advil Cold and Sinus</a> <a href="#">Duexis</a> <a href="#">Midol Cramps &amp; Bodyaches</a> <a href="#">Ibu</a> <a href="#">Proprinal</a> <a href="#">Vicoprofen</a> <a href="#">Advil PM</a> <a href="#">Ultraprin</a> <a href="#">Advil Congestion Relief</a> <a href="#">Counteract IB</a> <a href="#">Ibuprohm</a> <a href="#">Reprexain</a> <a href="#">Advil Sinus Congestion and Pain</a> <a href="#">Motrin</a> <a href="#">Advil</a> <a href="#">Wal-Profen</a> <a href="#">Pediapcare Fever</a> <a href="#">Addaprin</a>

			<a href="#">Ibuprofen / Pseudoephedrine Oral Product</a> <a href="#">Diphenhydramine / Ibuprofen Pill</a> <a href="#">Diphenhydramine / Ibuprofen Oral Product</a> <a href="#">Chlorpheniramine / Ibuprofen / Phenylephrine Oral Product</a> <a href="#">Ibuprofen Oral Capsule</a> <a href="#">Ibuprofen / Pseudoephedrine Pill</a> <a href="#">Ibuprofen Topical Gel</a> <a href="#">Ibuprofen Chewable Tablet</a> <a href="#">Ibuprofen 600 MG</a> <a href="#">Famotidine / Ibuprofen Oral Tablet</a> <a href="#">Codeine / Ibuprofen Oral Tablet</a> <a href="#">Ibuprofen / LEVOMENTHOL Topical Gel</a> <a href="#">Ibuprofen Injectable Product</a> <a href="#">Ibuprofen 100 MG/ML</a> <a href="#">Ibuprofen / Pseudoephedrine Oral Tablet</a> <a href="#">Ibuprofen Oral Liquid Product</a> <a href="#">Ibuprofen 400 MG</a> <a href="#">Diphenhydramine / Ibuprofen Oral Tablet</a> <a href="#">Ibuprofen 100 MG</a> <a href="#">Ibuprofen Oral Solution</a> <a href="#">Chlorpheniramine / Ibuprofen / Pseudoephedrine Oral Product</a> <a href="#">Ibuprofen 0.1 MG/MG</a> <a href="#">Codeine / Ibuprofen Oral Product</a> <a href="#">Ibuprofen 50 MG/ML</a> <a href="#">Codeine / Ibuprofen Pill</a> <a href="#">Ibuprofen Oral Product</a> <a href="#">Ibuprofen / Phenylephrine Oral Tablet</a> <a href="#">Chlorpheniramine / Ibuprofen / Pseudoephedrine Oral Liquid Product</a> <a href="#">Ibuprofen Oral Suspension</a> <a href="#">Ibuprofen Oral Tablet</a> <a href="#">Ibuprofen / Pseudoephedrine Oral Capsule</a> <a href="#">Ibuprofen Extended Release Oral Tablet</a> <a href="#">Famotidine / Ibuprofen Oral Product</a>
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			<a href="#">Chlorpheniramine / Ibuprofen / Pseudoephedrine Pill</a> <a href="#">Ibuprofen 0.05 MG/MG</a> <a href="#">Ibuprofen Pill</a> <a href="#">Famotidine / Ibuprofen Pill</a> <a href="#">Ibuprofen Topical Product</a> <a href="#">Ibuprofen 3 MG/ML</a> <a href="#">Hydrocodone / Ibuprofen Oral Product</a> <a href="#">Ibuprofen Injection</a> <a href="#">Ibuprofen 50 MG</a> <a href="#">Ibuprofen / Pseudoephedrine Oral Suspension</a> <a href="#">Chlorpheniramine / Ibuprofen / Pseudoephedrine Oral Tablet</a> <a href="#">Chlorpheniramine / Ibuprofen / Phenylephrine Pill</a> <a href="#">Ibuprofen 200 MG</a> <a href="#">Ibuprofen Topical Cream</a> <a href="#">Hydrocodone / Ibuprofen Pill</a> <a href="#">Chlorpheniramine / Ibuprofen / Pseudoephedrine Oral Suspension</a> <a href="#">Ibuprofen / Phenylephrine Oral Product</a> <a href="#">Ibuprofen 10 MG/ML</a> <a href="#">Ibuprofen / Oxycodone Pill</a> <a href="#">Ibuprofen / Oxycodone Oral Tablet</a> <a href="#">Chlorpheniramine / Ibuprofen / Phenylephrine Oral Tablet</a> <a href="#">Ibuprofen / Oxycodone Oral Product</a> <a href="#">Ibuprofen Chewable Product</a> <a href="#">Ibuprofen Extended Release Oral Capsule</a> <a href="#">Ibuprofen / LEVOMENTHOL Topical Product</a> <a href="#">Ibuprofen / Phenylephrine Pill</a> <a href="#">Codeine / Ibuprofen Extended Release Oral Tablet</a> <a href="#">Hydrocodone / Ibuprofen Oral Tablet</a> <a href="#">Ibuprofen Topical Spray</a> <a href="#">Ibuprofen 20 MG/ML</a> <a href="#">Ibuprofen 300 MG</a> <a href="#">Ibuprofen 800 MG</a> <a href="#">Ibuprofen / Pseudoephedrine Oral Liquid Product</a> <a href="#">Diphenhydramine / Ibuprofen Oral Capsule</a>
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			<a href="#">Ibuprofen Topical Foam</a> <a href="#">Ibuprofen 40 MG/ML</a>
NAPROXEN		C0027396	<a href="#">Naproxen sodium</a>
			<a href="#">Naprosyn</a> <a href="#">Aleve Sinus &amp; Headache</a> <a href="#">Anaprox</a> <a href="#">Sudafed Sinus &amp; Pain</a> <a href="#">Vimovo</a> <a href="#">Treximet</a> <a href="#">Midol Extended Relief</a> <a href="#">Naprelan</a> <a href="#">Wal-Proxen</a> <a href="#">Aleve-D</a> <a href="#">Flanax Naproxen</a> <a href="#">Menstridol</a> <a href="#">Aleve</a> <a href="#">Aleve PM</a>
			<a href="#">Esomeprazole / Naproxen Delayed Release Oral Tablet</a> <a href="#">Naproxen sodium 550 MG</a> <a href="#">Naproxen / Sumatriptan Oral Tablet</a> <a href="#">Naproxen sodium 500 MG</a> <a href="#">Naproxen Topical Cream</a> <a href="#">Naproxen 375 MG</a> <a href="#">Esomeprazole / Naproxen Oral Product</a> <a href="#">Naproxen Extended Release Oral Tablet</a> <a href="#">Naproxen / Sumatriptan Pill</a> <a href="#">Naproxen / Pseudoephedrine Pill</a> <a href="#">Naproxen sodium 275 MG</a> <a href="#">Naproxen 750 MG</a> <a href="#">Naproxen sodium 220 MG</a> <a href="#">Esomeprazole / Naproxen Pill</a> <a href="#">Naproxen 200 MG</a> <a href="#">Naproxen Delayed Release Oral Tablet</a> <a href="#">Naproxen Oral Liquid Product</a> <a href="#">Naproxen / Sumatriptan Oral Product</a> <a href="#">Naproxen Oral Tablet</a> <a href="#">Naproxen 250 MG</a> <a href="#">Naproxen Rectal Suppository</a> <a href="#">Naproxen 100 MG/ML</a>

			<a href="#">Naproxen Oral Product</a> <a href="#">Naproxen 25 MG/ML</a> <a href="#">Naproxen 1000 MG</a> <a href="#">Diphenhydramine / Naproxen Oral Product</a> <a href="#">Naproxen Pill</a> <a href="#">Diphenhydramine / Naproxen Pill</a> <a href="#">Naproxen sodium 60 MG</a> <a href="#">Naproxen Oral Capsule</a> <a href="#">Naproxen Oral Suspension</a> <a href="#">Naproxen Rectal Product</a> <a href="#">Diphenhydramine / Naproxen Oral Tablet</a> <a href="#">Naproxen Topical Product</a> <a href="#">Naproxen / Pseudoephedrine Oral Product</a> <a href="#">Naproxen 125 MG</a> <a href="#">Naproxen / Pseudoephedrine Extended Release Oral Tablet</a> <a href="#">Naproxen 500 MG</a>
DICLOFENAC	RxNorm	C0012091	<a href="#">diclofenac epolamine</a> <a href="#">Diclofenac Sodium</a> <a href="#">Diclofenac Potassium</a> <a href="#">DICLOFENAC DIETHYLAMMONIUM</a>
			<a href="#">Cambia</a> <a href="#">Solaraze</a> <a href="#">Surpass Anti-Inflammatory</a> <a href="#">Cataflam</a> <a href="#">Zorvolex</a> <a href="#">Zipsor</a> <a href="#">Dyloject</a> <a href="#">Flector</a> <a href="#">Pennsaid</a> <a href="#">Arthrotec</a> <a href="#">Voltaren</a>
			<a href="#">Diclofenac Topical Solution</a> <a href="#">Diclofenac Sodium 10 MG/ML</a> <a href="#">Diclofenac Ophthalmic Solution</a> <a href="#">Diclofenac 18 MG</a> <a href="#">Diclofenac Topical Cream</a> <a href="#">Diclofenac Extended Release Oral Capsule</a> <a href="#">Diclofenac Sodium 15 MG/ML</a> <a href="#">Diclofenac Potassium 1.67 MG/ML</a> <a href="#">Diclofenac Rectal Suppository</a> <a href="#">Diclofenac Ophthalmic Product</a> <a href="#">Diclofenac Sodium 25 MG/ML</a>

			<a href="#">Diclofenac Topical Gel</a> <a href="#">Diclofenac / Fluorouracil Topical Product</a> <a href="#">Diclofenac Injectable Product</a> <a href="#">Diclofenac Sodium 37.5 MG/ML</a> <a href="#">Diclofenac Oral Liquid Product</a> <a href="#">Diclofenac Sodium 20 MG/ML</a> <a href="#">Diclofenac / Fluorouracil Topical Cream</a> <a href="#">Diclofenac Sodium 25 MG</a> <a href="#">Diclofenac Oral Product</a> <a href="#">Diclofenac Sodium 75 MG</a> <a href="#">Diclofenac Potassium 50 MG</a> <a href="#">Diclofenac Sodium 1 MG/ML</a> <a href="#">Diclofenac Injectable Solution</a> <a href="#">Diclofenac Sodium 50 MG</a> <a href="#">Diclofenac Pill</a> <a href="#">Diclofenac Sodium 100 MG</a> <a href="#">Diclofenac Potassium 25 MG</a> <a href="#">Diclofenac 35 MG</a> <a href="#">diclofenac epolamine 0.013 MG/MG</a> <a href="#">Diclofenac Topical Product</a> <a href="#">Diclofenac Rectal Product</a> <a href="#">Diclofenac Oral Tablet</a> <a href="#">Diclofenac Sodium 0.25 MG/ML</a> <a href="#">Diclofenac Medicated Patch</a> <a href="#">Diclofenac Sodium 0.03 MG/MG</a> <a href="#">Diclofenac Sodium 12.5 MG</a> <a href="#">Diclofenac Oral Capsule</a> <a href="#">Diclofenac Oral Solution</a> <a href="#">Diclofenac / Misoprostol Oral Tablet</a> <a href="#">Diclofenac Sodium 0.01 MG/MG</a> <a href="#">Diclofenac Delayed Release Oral Tablet</a> <a href="#">Diclofenac Extended Release Oral Tablet</a> <a href="#">Diclofenac / Misoprostol Pill</a> <a href="#">Diclofenac / Misoprostol Oral Product</a> `
KETOROLAC		C0073631	<a href="#">Ketorolac Tromethamine</a>
			<a href="#">Acular</a> <a href="#">Sprix</a> <a href="#">Toradol</a> <a href="#">Acuvail</a> <a href="#">Omidria</a>

			<a href="#"><u>Ketorolac Ophthalmic Solution</u></a> <a href="#"><u>Ketorolac Prefilled Syringe</u></a> <a href="#"><u>Ketorolac Cartridge</u></a> <a href="#"><u>Ketorolac Metered Dose Nasal Spray</u></a> <a href="#"><u>Ketorolac Tromethamine 10 MG/ML</u></a> <a href="#"><u>Ketorolac Tromethamine 30 MG/ML</u></a> <a href="#"><u>Ketorolac Inhalant Product</u></a> <a href="#"><u>Ketorolac Tromethamine 15.8 MG/ACTUAT</u></a> <a href="#"><u>Ketorolac Tromethamine 5 MG/ML</u></a> <a href="#"><u>Ketorolac Injectable Product</u></a> <a href="#"><u>Ketorolac / Phenylephrine Ophthalmic Product</u></a> <a href="#"><u>Ketorolac 2.88 MG/ML</u></a> <a href="#"><u>Ketorolac Tromethamine 4.5 MG/ML</u></a> <a href="#"><u>Ketorolac Injectable Solution</u></a> <a href="#"><u>Ketorolac Tromethamine 4 MG/ML</u></a> <a href="#"><u>Ketorolac / Phenylephrine Ophthalmic Irrigation Solution</u></a> <a href="#"><u>Ketorolac Nasal Product</u></a> <a href="#"><u>Ketorolac Ophthalmic Product</u></a> <a href="#"><u>Ketorolac Tromethamine 10 MG</u></a> <a href="#"><u>Ketorolac Injection</u></a> <a href="#"><u>Ketorolac Oral Product</u></a> <a href="#"><u>Ketorolac Tromethamine 15 MG/ML</u></a> <a href="#"><u>Ketorolac Pill</u></a> <a href="#"><u>Ketorolac Oral Tablet</u></a>
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