



AAO40: Tonsillectomy: Post-Tonsillectomy Pain Management in Pediatric Patients

High Priority Status: Yes / Opioid-related
CBE Number: N/A

Measure Description:

Percentage of patients aged 12 years and younger who underwent a tonsillectomy and were given opioids within the 5-day postoperative period.

Instructions:

This measure is to be submitted **each time** a patient underwent a tonsillectomy during the performance period. This measure may be submitted by clinicians based on the services provided and the measure-specific denominator coding.

Denominator:

Patients aged 12 years and younger who underwent a tonsillectomy.

Denominator Exclusion:

Patients who were on opioid medications prior to procedure.

Denominator Criteria:

Patients aged 12 years and younger

AND

Procedure: [Tonsillectomy](#)

AND NOT

Current Prescription for: [Opioid Medication](#)

[For a list of codes that qualify as denominator eligible visits, reference Addendum attached.](#)

Numerator:

Patients who were given opioids within the 5-day postoperative period.

Numerator Note:

Day 0 is the day of surgery; Day 1 is the day after surgery

INVERSE MEASURE - A lower calculated performance rate for this measure indicates better clinical care or control. The "Performance Not Met" numerator option for this measure is the representation of the better clinical quality or control. Submitting that numerator option will produce a performance rate that trends closer to 0%, as quality increases. For inverse measures, a rate of 100% means all of the denominator eligible patients did not receive the appropriate care or were not in proper control.

Denominator Exceptions:

Patients with an allergy or contraindication to acetaminophen and non-steroidal anti-inflammatory medications.

Measure Classifications:

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Submission Pathway: Traditional MIPS

Measure Type: Process

High Priority Type: Opioid-related

Care Setting(s): Ambulatory Care: Ambulatory; Ambulatory Care: Clinician Office/Clinic; Ambulatory Care: Hospital; Ambulatory Surgical Center; Hospital Outpatient; Office Based Surgery Center; Outpatient Services

Includes Telehealth: No

Number of Performance Rates: 1

Inverse measure: Yes

Continuous measure: No

Proportional measure: Yes

Ratio measure: No

Risk Adjusted measure: No

Clinical Recommendation Statement:

The following evidence statements are extracted from the referenced clinical guidelines: AAO-HNS Tonsillectomy in Children Guideline (2019):

Clinicians should recommend ibuprofen, acetaminophen, or both for pain control after tonsillectomy. Strong recommendation based on systematic review and randomized controlled trials with a preponderance of benefit over harm.

The purpose of this statement is to inform surgeons, other health care providers, and consumers of nonopioid alternatives for optimal pain control to decrease morbidity after tonsillectomy in children. A quality improvement opportunity addressed by this guideline key action statement is to promote awareness that ibuprofen is a safe and effective analgesic for use after tonsillectomy, when used alone or in combination with acetaminophen.

Clinicians must not administer or prescribe codeine, or any medication containing codeine, after tonsillectomy in children younger than 12 years. Strong recommendation against administering or prescribing based on observational studies with dramatic effect and supporting high-level pharmacogenetic studies with a preponderance of benefit over harm.

The purpose of this statement is to inform surgeons that the prescription or administration of codeine, or any medication containing codeine, is not recommended in children <12 years of age after tonsillectomy. A quality improvement opportunity addressed by this guideline key action statement is to reduce harmful therapy.

Rationale:

Tonsillectomy is one of the most common pediatric surgical procedures done in the United States. Effective treatment during the post-operative period includes the use of acetaminophen, ibuprofen, or alternating both and recommends against the use of opioids. Despite the risks of opioid consumption, there are significant knowledge gaps identified regarding the use of intentionally prescribed opioid medication versus non-opioid prescription.

A 2023 study was conducted to review opioid prescribing habits post-tonsillectomy and the impacts of opioid education sessions for physicians and a standardized prescription protocol. Although evidence shows the use of acetaminophen, non-steroidal anti-inflammatory drugs, or a combination of both is strongly recommended during the post-operative period for a tonsillectomy, the use of opioids remains and varies amongst providers. Adequate analgesia is crucial for the resumption of oral intake, early recovery, and prevention of readmission. The use of opioids increases the risk of nausea, respiratory depression, drug-drug interactions, and abuse potential. The authors concluded that physician education regarding opioid prescribing post-tonsillectomy and a standardized prescription protocol reduced the average number of initial oxycodone doses per patient.

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Amin, S. N., Thompson, T. Reducing Pediatric Post tonsillectomy Opioid Prescribing: a quality improvement initiative. *Otolaryngology and Head and Neck Surgery/Otolaryngology--head and Neck Surgery* (2023). 170(2), 610–617. <https://doi.org/10.1002/ohn.534>

Cullen KA, Hall MJ, Golosinskiy A. Ambulatory surgery in the United States, 2006. *Natl Health Stat Report*. 2009;(11):1-25

Supporting Clinical Practice Guideline:

For more details, reference the [Clinical Practice Guideline: Tonsillectomy in Children \(Update\)](#) [2019]

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Addendum

Tonsillectomy			
Measure Element	Code Type	Code	Code Description
Denominator - Tonsillectomy	CPT	42820	Tonsillectomy and adenoidectomy; younger than age 12 (PO Tonsil bleeds are also a risk after a T&A)
Denominator - Tonsillectomy	CPT	42825	Tonsillectomy, primary or secondary; younger than age 12
Opioid Medication			
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1594654	Simbadol Injectable Product
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1489990	Torbugesic Injectable Product
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	374830	acetaminophen / butalbital / caffeine / codeine Oral Capsule
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	366536	acetaminophen / butalbital / caffeine / codeine Oral Capsule [Fioricet with Codeine]
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1152250	acetaminophen / butalbital / caffeine / codeine Oral Product
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1152251	acetaminophen / butalbital / caffeine / codeine Pill
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1154570	acetaminophen / caffeine / codeine Oral Product
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	374787	acetaminophen / caffeine / dihydrocodeine Oral Capsule
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	746613	acetaminophen / caffeine / dihydrocodeine Oral Capsule [Trezix]

Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1154590	acetaminophen / caffeine / dihydrocodeine Oral Product
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	375674	acetaminophen / caffeine / dihydrocodeine Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1154591	acetaminophen / caffeine / dihydrocodeine Pill
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	370748	acetaminophen / codeine Oral Capsule
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1155597	acetaminophen / codeine Oral Liquid Product
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1155598	acetaminophen / codeine Oral Product
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	370751	acetaminophen / codeine Oral Solution
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	370754	acetaminophen / codeine Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	369248	acetaminophen / codeine Oral Tablet [Tylenol with Codeine]
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1155599	acetaminophen / codeine Pill
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	370642	acetaminophen / hydrocodone Oral Capsule
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1151548	acetaminophen / hydrocodone Oral Liquid Product
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1151549	acetaminophen / hydrocodone Oral Product
Denominator Exclusion -	RXNORM	370759	acetaminophen / hydrocodone Oral Solution

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Acetaminophen/Opioid Medication			
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	542943	acetaminophen / hydrocodone Oral Solution [Hycet]
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	857104	acetaminophen / hydrocodone Oral Solution [Lortab]
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	804749	acetaminophen / hydrocodone Oral Solution [Zamicet]
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	370641	acetaminophen / hydrocodone Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	367843	acetaminophen / hydrocodone Oral Tablet [Lorcet]
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	368362	acetaminophen / hydrocodone Oral Tablet [Lortab]
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	829847	acetaminophen / hydrocodone Oral Tablet [Norco]
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1542978	acetaminophen / hydrocodone Oral Tablet [Verdrocet]
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1151550	acetaminophen / hydrocodone Pill
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	375581	acetaminophen / oxycodone Oral Capsule
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1151899	acetaminophen / oxycodone Oral Liquid Product
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1151900	acetaminophen / oxycodone Oral Product
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	373199	acetaminophen / oxycodone Oral Solution

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Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	373200	acetaminophen / oxycodone Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	825231	acetaminophen / oxycodone Oral Tablet [Endocet]
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	825195	acetaminophen / oxycodone Oral Tablet [Percocet]
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1537113	acetaminophen / oxycodone Oral Tablet [Primlev]
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1151901	acetaminophen / oxycodone Pill
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1151902	acetaminophen / pentazocine Oral Product
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	373277	acetaminophen / pentazocine Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1151903	acetaminophen / pentazocine Pill
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1151927	acetaminophen / propoxyphene Oral Product
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	373644	acetaminophen / propoxyphene Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1151928	acetaminophen / propoxyphene Pill
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1152238	acetaminophen / tramadol Oral Product
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	378712	acetaminophen / tramadol Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	369486	acetaminophen / tramadol Oral Tablet [Ultracet]

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Acetaminophen/Opioid Medication			
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1152239	acetaminophen / tramadol Pill
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1044427	acetaminophen 20 MG/ML / hydrocodone bitartrate 0.667 MG/ML Oral Solution
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1442445	acetaminophen 20 MG/ML / hydrocodone bitartrate 0.667 MG/ML Oral Solution [Lortab]
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	856940	acetaminophen 21.7 MG/ML / hydrocodone bitartrate 0.5 MG/ML Oral Solution
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	856942	acetaminophen 21.7 MG/ML / hydrocodone bitartrate 0.5 MG/ML Oral Solution [Hycet]
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	856944	acetaminophen 21.7 MG/ML / hydrocodone bitartrate 0.67 MG/ML Oral Solution
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	856945	acetaminophen 21.7 MG/ML / hydrocodone bitartrate 0.67 MG/ML Oral Solution
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	856946	acetaminophen 21.7 MG/ML / hydrocodone bitartrate 0.67 MG/ML Oral Solution [Zamicet]
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	993755	acetaminophen 24 MG/ML / codeine phosphate 2.4 MG/ML Oral Solution
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	993763	acetaminophen 24 MG/ML / codeine phosphate 2.4 MG/ML Oral Suspension
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1431286	acetaminophen 300 MG / butalbital 50 MG / caffeine 40 MG / codeine phosphate 30 MG Oral Capsule
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1433802	acetaminophen 300 MG / butalbital 50 MG / caffeine 40 MG / codeine phosphate 30 MG Oral Capsule [Fioricet with Codeine]
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	993770	acetaminophen 300 MG / codeine phosphate 15 MG Oral Tablet

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Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	993781	acetaminophen 300 MG / codeine phosphate 30 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	993837	acetaminophen 300 MG / codeine phosphate 30 MG Oral Tablet [Tylenol with Codeine]
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	993890	acetaminophen 300 MG / codeine phosphate 60 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	993892	acetaminophen 300 MG / codeine phosphate 60 MG Oral Tablet [Tylenol with Codeine]
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	856980	acetaminophen 300 MG / hydrocodone bitartrate 10 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	856987	acetaminophen 300 MG / hydrocodone bitartrate 5 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	856992	acetaminophen 300 MG / hydrocodone bitartrate 7.5 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1014599	acetaminophen 300 MG / oxycodone hydrochloride 10 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1537120	acetaminophen 300 MG / oxycodone hydrochloride 10 MG Oral Tablet [Primlev]
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1037259	acetaminophen 300 MG / oxycodone hydrochloride 2.5 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1014615	acetaminophen 300 MG / oxycodone hydrochloride 5 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1537116	acetaminophen 300 MG / oxycodone hydrochloride 5 MG Oral Tablet [Primlev]
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1014632	acetaminophen 300 MG / oxycodone hydrochloride 7.5 MG Oral Tablet
Denominator Exclusion -	RXNORM	1537122	acetaminophen 300 MG / oxycodone hydrochloride 7.5 MG Oral Tablet [Primlev]

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Acetaminophen/Opioid Medication			
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	993943	acetaminophen 325 MG / butalbital 50 MG / caffeine 40 MG / codeine phosphate 30 MG Oral Capsule
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	856999	acetaminophen 325 MG / hydrocodone bitartrate 10 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1495472	acetaminophen 325 MG / hydrocodone bitartrate 10 MG Oral Tablet [Lortab]
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	857001	acetaminophen 325 MG / hydrocodone bitartrate 10 MG Oral Tablet [Norco]
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	857391	acetaminophen 325 MG / hydrocodone bitartrate 2.5 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1542981	acetaminophen 325 MG / hydrocodone bitartrate 2.5 MG Oral Tablet [Verdrocet]
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	857002	acetaminophen 325 MG / hydrocodone bitartrate 5 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1492673	acetaminophen 325 MG / hydrocodone bitartrate 5 MG Oral Tablet [Lorcet]
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1495474	acetaminophen 325 MG / hydrocodone bitartrate 5 MG Oral Tablet [Lortab]
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	857004	acetaminophen 325 MG / hydrocodone bitartrate 5 MG Oral Tablet [Norco]
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	857005	acetaminophen 325 MG / hydrocodone bitartrate 7.5 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1492675	acetaminophen 325 MG / hydrocodone bitartrate 7.5 MG Oral Tablet [Lorcet]
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1495476	acetaminophen 325 MG / hydrocodone bitartrate 7.5 MG Oral Tablet [Lortab]

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Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	857007	acetaminophen 325 MG / hydrocodone bitartrate 7.5 MG Oral Tablet [Norco]
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1049214	acetaminophen 325 MG / oxycodone hydrochloride 10 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1049216	acetaminophen 325 MG / oxycodone hydrochloride 10 MG Oral Tablet [Endocet]
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1049625	acetaminophen 325 MG / oxycodone hydrochloride 10 MG Oral Tablet [Percocet]
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1049635	acetaminophen 325 MG / oxycodone hydrochloride 2.5 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1487288	acetaminophen 325 MG / oxycodone hydrochloride 2.5 MG Oral Tablet [Endocet]
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1049637	acetaminophen 325 MG / oxycodone hydrochloride 2.5 MG Oral Tablet [Percocet]
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1049221	acetaminophen 325 MG / oxycodone hydrochloride 5 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1049223	acetaminophen 325 MG / oxycodone hydrochloride 5 MG Oral Tablet [Endocet]
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1049640	acetaminophen 325 MG / oxycodone hydrochloride 5 MG Oral Tablet [Percocet]
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1049225	acetaminophen 325 MG / oxycodone hydrochloride 7.5 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1049227	acetaminophen 325 MG / oxycodone hydrochloride 7.5 MG Oral Tablet [Endocet]
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1049642	acetaminophen 325 MG / oxycodone hydrochloride 7.5 MG Oral Tablet [Percocet]
Denominator Exclusion -	RXNORM	849293	acetaminophen 325 MG / propoxyphene hydrochloride 32.5 MG Oral Tablet

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Acetaminophen/Opioid Medication			
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	827751	acetaminophen 325 MG / propoxyphene napsylate 100 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	849295	acetaminophen 325 MG / propoxyphene napsylate 50 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	836395	acetaminophen 325 MG / tramadol hydrochloride 37.5 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	836397	acetaminophen 325 MG / tramadol hydrochloride 37.5 MG Oral Tablet [Ultracet]
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	857076	acetaminophen 33.3 MG/ML / hydrocodone bitartrate 0.333 MG/ML Oral Solution
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	857099	acetaminophen 33.3 MG/ML / hydrocodone bitartrate 0.5 MG/ML Oral Solution
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1234871	acetaminophen 356.4 MG / caffeine 30 MG / dihydrocodeine bitartrate 16 MG Oral Capsule
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	857128	acetaminophen 400 MG / hydrocodone bitartrate 10 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	857131	acetaminophen 400 MG / hydrocodone bitartrate 5 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	857134	acetaminophen 400 MG / hydrocodone bitartrate 7.5 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1049251	acetaminophen 400 MG / oxycodone hydrochloride 10 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1049260	acetaminophen 400 MG / oxycodone hydrochloride 5 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1049267	acetaminophen 400 MG / oxycodone hydrochloride 7.5 MG Oral Tablet

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Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	996976	acetaminophen 500 MG / codeine phosphate 12.8 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	996978	acetaminophen 500 MG / codeine phosphate 13.5 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	994043	acetaminophen 500 MG / codeine phosphate 15 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1536459	acetaminophen 500 MG / codeine phosphate 30 MG Effervescent Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	996979	acetaminophen 500 MG / codeine phosphate 30 MG Oral Capsule
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	994046	acetaminophen 500 MG / codeine phosphate 30 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1536457	acetaminophen 500 MG / codeine phosphate 8 MG Effervescent Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	996981	acetaminophen 500 MG / codeine phosphate 8 MG Oral Capsule
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	996982	acetaminophen 500 MG / codeine phosphate 8 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	857107	acetaminophen 500 MG / hydrocodone bitartrate 10 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	857111	acetaminophen 500 MG / hydrocodone bitartrate 2.5 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	856962	acetaminophen 500 MG / hydrocodone bitartrate 5 MG Oral Capsule
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	856903	acetaminophen 500 MG / hydrocodone bitartrate 5 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	857118	acetaminophen 500 MG / hydrocodone bitartrate 7.5 MG Oral Tablet

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Acetaminophen/Opioid Medication			
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1049651	acetaminophen 500 MG / oxycodone hydrochloride 10 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1049658	acetaminophen 500 MG / oxycodone hydrochloride 5 MG Oral Capsule
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1049233	acetaminophen 500 MG / oxycodone hydrochloride 7.5 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	849304	acetaminophen 500 MG / propoxyphene napsylate 100 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	857501	acetaminophen 556 MG / hydrocodone bitartrate 5 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	2105822	acetaminophen 60 MG/ML / oxycodone hydrochloride 2 MG/ML Oral Solution
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1049580	acetaminophen 65 MG/ML / oxycodone hydrochloride 1 MG/ML Oral Solution
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	857383	acetaminophen 650 MG / hydrocodone bitartrate 10 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	857083	acetaminophen 650 MG / hydrocodone bitartrate 7.5 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1049270	acetaminophen 650 MG / oxycodone hydrochloride 10 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	312288	acetaminophen 650 MG / pentazocine 25 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	828576	acetaminophen 650 MG / propoxyphene napsylate 100 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	856908	acetaminophen 660 MG / hydrocodone bitartrate 10 MG Oral Tablet

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Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1234978	acetaminophen 712.8 MG / caffeine 60 MG / dihydrocodeine bitartrate 32 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	833036	acetaminophen 750 MG / hydrocodone bitartrate 7.5 MG Oral Tablet
Denominator Exclusion - Acetaminophen/Opioid Medication	NDC	121050400	Acetaminophen-Codeine Oral Solution 120-12 MG/5ML
Denominator Exclusion - Acetaminophen/Opioid Medication	NDC	121050404	Acetaminophen-Codeine Oral Solution 120-12 MG/5ML
Denominator Exclusion - Acetaminophen/Opioid Medication	NDC	121050416	Acetaminophen-Codeine Oral Solution 120-12 MG/5ML
Denominator Exclusion - Acetaminophen/Opioid Medication	NDC	121100800	Acetaminophen-Codeine Oral Solution 120-12 MG/5ML
Denominator Exclusion - Acetaminophen/Opioid Medication	NDC	17856007902	Acetaminophen-Codeine Oral Solution 120-12 MG/5ML
Denominator Exclusion - Acetaminophen/Opioid Medication	NDC	50383007916	Acetaminophen-Codeine Oral Solution 120-12 MG/5ML
Denominator Exclusion - Acetaminophen/Opioid Medication	NDC	60432024516	Acetaminophen-Codeine Oral Solution 120-12 MG/5ML
Denominator Exclusion - Acetaminophen/Opioid Medication	NDC	406048301	Acetaminophen-Codeine Oral Tablet 300-15 MG
Denominator Exclusion - Acetaminophen/Opioid Medication	NDC	93005001	Acetaminophen-Codeine Oral Tablet 300-15 MG
Denominator Exclusion - Acetaminophen/Opioid Medication	NDC	13107005901	Acetaminophen-Codeine Oral Tablet 300-30 MG
Denominator Exclusion - Acetaminophen/Opioid Medication	NDC	406048401	Acetaminophen-Codeine Oral Tablet 300-30 MG
Denominator Exclusion -	NDC	93015001	Acetaminophen-Codeine Oral Tablet 300-30 MG

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Acetaminophen/Opioid Medication			
Denominator Exclusion - Acetaminophen/Opioid Medication	RXNORM	1168324	Fioricet with Codeine Oral Product
Denominator Exclusion - NSAID/Opioid Medication	RXNORM	374756	aspirin / butalbital / caffeine / codeine Oral Capsule
Denominator Exclusion - NSAID/Opioid Medication	RXNORM	700585	aspirin / butalbital / caffeine / codeine Oral Capsule [Ascomp]
Denominator Exclusion - NSAID/Opioid Medication	RXNORM	1154056	aspirin / butalbital / caffeine / codeine Oral Product
Denominator Exclusion - NSAID/Opioid Medication	RXNORM	1154057	aspirin / butalbital / caffeine / codeine Pill
Denominator Exclusion - NSAID/Opioid Medication	RXNORM	374757	aspirin / caffeine / dihydrocodeine Oral Capsule
Denominator Exclusion - NSAID/Opioid Medication	RXNORM	1153517	aspirin / caffeine / dihydrocodeine Oral Product
Denominator Exclusion - NSAID/Opioid Medication	RXNORM	1153518	aspirin / caffeine / dihydrocodeine Pill
Denominator Exclusion - NSAID/Opioid Medication	RXNORM	374702	aspirin / caffeine / propoxyphene Oral Capsule
Denominator Exclusion - NSAID/Opioid Medication	RXNORM	1153233	aspirin / caffeine / propoxyphene Oral Product
Denominator Exclusion - NSAID/Opioid Medication	RXNORM	1153234	aspirin / caffeine / propoxyphene Pill
Denominator Exclusion - NSAID/Opioid Medication	RXNORM	1153529	aspirin / carisoprodol / codeine Oral Product
Denominator Exclusion - NSAID/Opioid Medication	RXNORM	1153530	aspirin / carisoprodol / codeine Pill

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Denominator Exclusion - NSAID/Opioid Medication	RXNORM	1153552	aspirin / codeine Oral Product
Denominator Exclusion - NSAID/Opioid Medication	RXNORM	370943	aspirin / codeine Oral Tablet
Denominator Exclusion - NSAID/Opioid Medication	RXNORM	1153719	aspirin / codeine Pill
Denominator Exclusion - NSAID/Opioid Medication	RXNORM	1153735	aspirin / hydrocodone Oral Product
Denominator Exclusion - NSAID/Opioid Medication	RXNORM	370643	aspirin / hydrocodone Oral Tablet
Denominator Exclusion - NSAID/Opioid Medication	RXNORM	1153736	aspirin / hydrocodone Pill
Denominator Exclusion - NSAID/Opioid Medication	RXNORM	1153749	aspirin / oxycodone Oral Product
Denominator Exclusion - NSAID/Opioid Medication	RXNORM	374711	aspirin / oxycodone Oral Tablet
Denominator Exclusion - NSAID/Opioid Medication	RXNORM	1153750	aspirin / oxycodone Pill
Denominator Exclusion - NSAID/Opioid Medication	RXNORM	373278	aspirin / pentazocine Oral Tablet
Denominator Exclusion - NSAID/Opioid Medication	RXNORM	996988	aspirin 300 MG / codeine phosphate 8 MG Oral Tablet
Denominator Exclusion - NSAID/Opioid Medication	RXNORM	994237	aspirin 325 MG / butalbital 50 MG / caffeine 40 MG / codeine phosphate 30 MG Oral Capsule
Denominator Exclusion - NSAID/Opioid Medication	RXNORM	994239	aspirin 325 MG / butalbital 50 MG / caffeine 40 MG / codeine phosphate 30 MG Oral Capsule [Ascomp]
Denominator Exclusion -	RXNORM	994226	aspirin 325 MG / carisoprodol 200 MG / codeine phosphate 16 MG Oral Tablet

NSAID/Opioid Medication			
Denominator Exclusion - NSAID/Opioid Medication	RXNORM	996991	aspirin 325 MG / codeine phosphate 30 MG Oral Tablet
Denominator Exclusion - NSAID/Opioid Medication	RXNORM	996994	aspirin 325 MG / codeine phosphate 60 MG Oral Tablet
Denominator Exclusion - NSAID/Opioid Medication	RXNORM	724614	aspirin 325 MG / oxycodone hydrochloride 2.25 MG / oxycodone terephthalate 0.19 MG Oral Tablet
Denominator Exclusion - NSAID/Opioid Medication	RXNORM	637540	aspirin 325 MG / oxycodone hydrochloride 4.5 MG / oxycodone terephthalate 0.38 MG Oral Tablet
Denominator Exclusion - NSAID/Opioid Medication	RXNORM	848768	aspirin 325 MG / oxycodone hydrochloride 4.84 MG Oral Tablet
Denominator Exclusion - NSAID/Opioid Medication	RXNORM	1234872	aspirin 356.4 MG / caffeine 30 MG / dihydrocodeine bitartrate 16 MG Oral Capsule
Denominator Exclusion - NSAID/Opioid Medication	RXNORM	828585	aspirin 389 MG / caffeine 32.4 MG / propoxyphene hydrochloride 32 MG Oral Capsule
Denominator Exclusion - NSAID/Opioid Medication	RXNORM	828594	aspirin 389 MG / caffeine 32.4 MG / propoxyphene hydrochloride 65 MG Oral Capsule
Denominator Exclusion - NSAID/Opioid Medication	RXNORM	857121	aspirin 500 MG / hydrocodone bitartrate 5 MG Oral Tablet
Denominator Exclusion - Opioid Medication	RXNORM	1295970	Actiq Lozenge Product
Denominator Exclusion - Opioid Medication	RXNORM	1169909	Actiq Oral Product
Denominator Exclusion - Opioid Medication	RXNORM	106500	alfentanil 5 MG/ML Injectable Solution
Denominator Exclusion - Opioid Medication	RXNORM	1154625	alfentanil Injectable Product
Denominator Exclusion - Opioid Medication	RXNORM	1723205	alfentanil Injection

Denominator Exclusion - Opioid Medication	RXNORM	1871438	Arymo Oral Product
Denominator Exclusion - Opioid Medication	RXNORM	1871439	Arymo Pill
Denominator Exclusion - Opioid Medication	RXNORM	1171456	Ascomp Oral Product
Denominator Exclusion - Opioid Medication	RXNORM	1171457	Ascomp Pill
Denominator Exclusion - Opioid Medication	RXNORM	1172176	Astramorph Injectable Product
Denominator Exclusion - Opioid Medication	RXNORM	1294356	bromodiphenhydramine hydrochloride 2.5 MG/ML / codeine phosphate 2 MG/ML Oral Solution
Denominator Exclusion - Opioid Medication	RXNORM	1155730	brompheniramine / guaifenesin / hydrocodone Oral Liquid Product
Denominator Exclusion - Opioid Medication	RXNORM	1155731	brompheniramine / guaifenesin / hydrocodone Oral Product
Denominator Exclusion - Opioid Medication	RXNORM	994289	brompheniramine maleate 0.27 MG/ML / codeine phosphate 1.27 MG/ML / pseudoephedrine hydrochloride 2 MG/ML Oral Solution
Denominator Exclusion - Opioid Medication	RXNORM	994402	brompheniramine maleate 0.4 MG/ML / codeine phosphate 1.5 MG/ML / pseudoephedrine hydrochloride 6 MG/ML Oral Solution
Denominator Exclusion - Opioid Medication	RXNORM	1357402	brompheniramine maleate 0.4 MG/ML / codeine phosphate 2 MG/ML / phenylpropanolamine hydrochloride 2.5 MG/ML Oral Solution
Denominator Exclusion - Opioid Medication	RXNORM	1098906	brompheniramine maleate 0.4 MG/ML / guaifenesin 40 MG/ML / hydrocodone bitartrate 1 MG/ML Oral Solution
Denominator Exclusion - Opioid Medication	RXNORM	1541630	brompheniramine maleate 0.8 MG/ML / codeine phosphate 2 MG/ML / phenylephrine hydrochloride 2 MG/ML Oral Solution
Denominator Exclusion - Opioid Medication	RXNORM	1356797	brompheniramine maleate 4 MG / codeine phosphate 10 MG / phenylephrine hydrochloride 10 MG Oral Tablet
Denominator Exclusion - Opioid Medication	RXNORM	1356800	brompheniramine maleate 4 MG / codeine phosphate 10 MG Oral Tablet
Denominator Exclusion - Opioid Medication	RXNORM	1356804	brompheniramine maleate 4 MG / codeine phosphate 20 MG / phenylephrine hydrochloride 10 MG Oral Tablet

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Denominator Exclusion - Opioid Medication	RXNORM	1356807	brompheniramine maleate 4 MG / codeine phosphate 20 MG Oral Tablet
Denominator Exclusion - Opioid Medication	RXNORM	1168687	Buprenex Injectable Product
Denominator Exclusion - Opioid Medication	RXNORM	1716077	buprenorphine 0.075 MG Buccal Film
Denominator Exclusion - Opioid Medication	RXNORM	1716057	buprenorphine 0.15 MG Buccal Film
Denominator Exclusion - Opioid Medication	RXNORM	246474	buprenorphine 0.2 MG Sublingual Tablet
Denominator Exclusion - Opioid Medication	RXNORM	1716065	buprenorphine 0.3 MG Buccal Film
Denominator Exclusion - Opioid Medication	RXNORM	250426	buprenorphine 0.4 MG Sublingual Tablet
Denominator Exclusion - Opioid Medication	RXNORM	1716069	buprenorphine 0.45 MG Buccal Film
Denominator Exclusion - Opioid Medication	RXNORM	1716073	buprenorphine 0.6 MG Buccal Film
Denominator Exclusion - Opioid Medication	RXNORM	1864412	buprenorphine 0.7 MG / naloxone 0.18 MG Sublingual Tablet
Denominator Exclusion - Opioid Medication	RXNORM	1716081	buprenorphine 0.75 MG Buccal Film
Denominator Exclusion - Opioid Medication	RXNORM	1716086	buprenorphine 0.9 MG Buccal Film
Denominator Exclusion - Opioid Medication	RXNORM	1431076	buprenorphine 1.4 MG / naloxone 0.36 MG Sublingual Tablet
Denominator Exclusion - Opioid Medication	RXNORM	1431083	buprenorphine 1.4 MG / naloxone 0.36 MG Sublingual Tablet [Zubsolv]
Denominator Exclusion - Opioid Medication	RXNORM	1594650	buprenorphine 1.8 MG/ML Injectable Solution
Denominator Exclusion - Opioid Medication	RXNORM	1594655	buprenorphine 1.8 MG/ML Injectable Solution [Simbadol]
Denominator Exclusion - Opioid Medication	RXNORM	1597568	buprenorphine 11.4 MG / naloxone 2.9 MG Sublingual Tablet
Denominator Exclusion - Opioid Medication	RXNORM	1597570	buprenorphine 11.4 MG / naloxone 2.9 MG Sublingual Tablet [Zubsolv]

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Denominator Exclusion - Opioid Medication	RXNORM	1307061	buprenorphine 12 MG / naloxone 3 MG Sublingual Film
Denominator Exclusion - Opioid Medication	RXNORM	1307063	buprenorphine 12 MG / naloxone 3 MG Sublingual Film [Suboxone]
Denominator Exclusion - Opioid Medication	RXNORM	1010600	buprenorphine 2 MG / naloxone 0.5 MG Sublingual Film
Denominator Exclusion - Opioid Medication	RXNORM	1010603	buprenorphine 2 MG / naloxone 0.5 MG Sublingual Film [Suboxone]
Denominator Exclusion - Opioid Medication	RXNORM	351266	buprenorphine 2 MG / naloxone 0.5 MG Sublingual Tablet
Denominator Exclusion - Opioid Medication	RXNORM	351264	buprenorphine 2 MG Sublingual Tablet
Denominator Exclusion - Opioid Medication	RXNORM	1542390	buprenorphine 2.1 MG / naloxone 0.3 MG Buccal Film
Denominator Exclusion - Opioid Medication	RXNORM	1542396	buprenorphine 2.1 MG / naloxone 0.3 MG Buccal Film [Bunavail]
Denominator Exclusion - Opioid Medication	RXNORM	1666338	buprenorphine 2.9 MG / naloxone 0.71 MG Sublingual Tablet
Denominator Exclusion - Opioid Medication	RXNORM	1307056	buprenorphine 4 MG / naloxone 1 MG Sublingual Film
Denominator Exclusion - Opioid Medication	RXNORM	1307058	buprenorphine 4 MG / naloxone 1 MG Sublingual Film [Suboxone]
Denominator Exclusion - Opioid Medication	RXNORM	1544851	buprenorphine 4.2 MG / naloxone 0.7 MG Buccal Film
Denominator Exclusion - Opioid Medication	RXNORM	1544853	buprenorphine 4.2 MG / naloxone 0.7 MG Buccal Film [Bunavail]
Denominator Exclusion - Opioid Medication	RXNORM	1431102	buprenorphine 5.7 MG / naloxone 1.4 MG Sublingual Tablet
Denominator Exclusion - Opioid Medication	RXNORM	1431104	buprenorphine 5.7 MG / naloxone 1.4 MG Sublingual Tablet [Zubsolv]
Denominator Exclusion - Opioid Medication	RXNORM	1544854	buprenorphine 6.3 MG / naloxone 1 MG Buccal Film
Denominator Exclusion - Opioid Medication	RXNORM	1544856	buprenorphine 6.3 MG / naloxone 1 MG Buccal Film [Bunavail]
Denominator Exclusion - Opioid Medication	RXNORM	1010604	buprenorphine 8 MG / naloxone 2 MG Sublingual Film

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Denominator Exclusion - Opioid Medication	RXNORM	1010606	buprenorphine 8 MG / naloxone 2 MG Sublingual Film [Suboxone]
Denominator Exclusion - Opioid Medication	RXNORM	351267	buprenorphine 8 MG / naloxone 2 MG Sublingual Tablet
Denominator Exclusion - Opioid Medication	RXNORM	351265	buprenorphine 8 MG Sublingual Tablet
Denominator Exclusion - Opioid Medication	RXNORM	1597573	buprenorphine 8.6 MG / naloxone 2.1 MG Sublingual Tablet
Denominator Exclusion - Opioid Medication	RXNORM	1597575	buprenorphine 8.6 MG / naloxone 2.1 MG Sublingual Tablet [Zubsolv]
Denominator Exclusion - Opioid Medication	RXNORM	1655031	buprenorphine Cartridge
Denominator Exclusion - Opioid Medication	RXNORM	1151361	buprenorphine Injectable Product
Denominator Exclusion - Opioid Medication	RXNORM	1729358	buprenorphine Injection
Denominator Exclusion - Opioid Medication	RXNORM	1729360	buprenorphine Injection [Buprenex]
Denominator Exclusion - Opioid Medication	RXNORM	1151364	buprenorphine Topical Product
Denominator Exclusion - Opioid Medication	RXNORM	1295269	buprenorphine Transdermal Product
Denominator Exclusion - Opioid Medication	RXNORM	1806212	buprenorphine Transdermal System
Denominator Exclusion - Opioid Medication	RXNORM	1806214	buprenorphine Transdermal System [BuTrans]
Denominator Exclusion - Opioid Medication	RXNORM	1302739	butorphanol 10 MG/ML Injectable Solution
Denominator Exclusion - Opioid Medication	RXNORM	1310927	butorphanol 10 MG/ML Injectable Solution [Butorphic]
Denominator Exclusion - Opioid Medication	RXNORM	1489991	butorphanol 10 MG/ML Injectable Solution [Torbugesic]
Denominator Exclusion - Opioid Medication	RXNORM	1151378	butorphanol Inhalant Product
Denominator Exclusion - Opioid Medication	RXNORM	1151379	butorphanol Injectable Product

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Denominator Exclusion - Opioid Medication	RXNORM	371174	butorphanol Injectable Solution
Denominator Exclusion - Opioid Medication	RXNORM	1310925	butorphanol Injectable Solution [Butorphic]
Denominator Exclusion - Opioid Medication	RXNORM	857192	butorphanol Injectable Solution [Dolorex Solution]
Denominator Exclusion - Opioid Medication	RXNORM	1489989	butorphanol Injectable Solution [Torbugesic]
Denominator Exclusion - Opioid Medication	RXNORM	1728350	butorphanol Injection
Denominator Exclusion - Opioid Medication	RXNORM	1151380	butorphanol Nasal Product
Denominator Exclusion - Opioid Medication	RXNORM	886634	butorphanol tartrate 1 MG/ACTUAT Metered Dose Nasal Spray
Denominator Exclusion - Opioid Medication	RXNORM	886622	butorphanol tartrate 2 MG/ML Injectable Solution
Denominator Exclusion - Opioid Medication	RXNORM	1809204	butorphanol tartrate 2 MG/ML Injectable Solution [Torbugesic]
Denominator Exclusion - Opioid Medication	RXNORM	1310926	Butorphic Injectable Product
Denominator Exclusion - Opioid Medication	RXNORM	1168053	BuTrans Topical Product
Denominator Exclusion - Opioid Medication	RXNORM	1296477	BuTrans Transdermal Product
Denominator Exclusion - Opioid Medication	RXNORM	1235862	chlorcyclizine hydrochloride 2.5 MG/ML / codeine phosphate 1.8 MG/ML / pseudoephedrine hydrochloride 6 MG/ML Oral Solution
Denominator Exclusion - Opioid Medication	RXNORM	1153881	chlorpheniramine / codeine / phenylephrine Oral Liquid Product
Denominator Exclusion - Opioid Medication	RXNORM	1153882	chlorpheniramine / codeine / phenylephrine Oral Product
Denominator Exclusion - Opioid Medication	RXNORM	1153885	chlorpheniramine / codeine / pseudoephedrine Oral Liquid Product
Denominator Exclusion - Opioid Medication	RXNORM	1153886	chlorpheniramine / codeine / pseudoephedrine Oral Product
Denominator Exclusion - Opioid Medication	RXNORM	1153889	chlorpheniramine / codeine Oral Liquid Product

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Denominator Exclusion - Opioid Medication	RXNORM	1153890	chlorpheniramine / codeine Oral Product
Denominator Exclusion - Opioid Medication	RXNORM	1153891	chlorpheniramine / codeine Pill
Denominator Exclusion - Opioid Medication	RXNORM	1154481	chlorpheniramine / guaifenesin / hydrocodone / pseudoephedrine Oral Product
Denominator Exclusion - Opioid Medication	RXNORM	1154503	chlorpheniramine / hydrocodone / pseudoephedrine Oral Liquid Product
Denominator Exclusion - Opioid Medication	RXNORM	1154504	chlorpheniramine / hydrocodone / pseudoephedrine Oral Product
Denominator Exclusion - Opioid Medication	RXNORM	1154770	chlorpheniramine / hydrocodone Oral Liquid Product
Denominator Exclusion - Opioid Medication	RXNORM	1154771	chlorpheniramine / hydrocodone Oral Product
Denominator Exclusion - Opioid Medication	RXNORM	995041	chlorpheniramine maleate 0.2 MG/ML / codeine phosphate 1 MG/ML / pseudoephedrine hydrochloride 3 MG/ML Oral Suspension
Denominator Exclusion - Opioid Medication	RXNORM	995062	chlorpheniramine maleate 0.2 MG/ML / codeine phosphate 1 MG/ML Oral Suspension
Denominator Exclusion - Opioid Medication	RXNORM	995065	chlorpheniramine maleate 0.222 MG/ML / codeine phosphate 1 MG/ML / pseudoephedrine hydrochloride 3.33 MG/ML Oral Suspension
Denominator Exclusion - Opioid Medication	RXNORM	995068	chlorpheniramine maleate 0.222 MG/ML / codeine phosphate 1 MG/ML Oral Suspension
Denominator Exclusion - Opioid Medication	RXNORM	1042693	chlorpheniramine maleate 0.4 MG/ML / codeine phosphate 2 MG/ML / phenylephrine hydrochloride 1 MG/ML Oral Solution
Denominator Exclusion - Opioid Medication	RXNORM	1113417	chlorpheniramine maleate 0.4 MG/ML / codeine phosphate 2 MG/ML / pseudoephedrine hydrochloride 6 MG/ML Oral Solution
Denominator Exclusion - Opioid Medication	RXNORM	2056893	chlorpheniramine maleate 0.8 MG/ML / codeine phosphate 2 MG/ML / phenylephrine hydrochloride 2 MG/ML Oral Solution
Denominator Exclusion - Opioid Medication	RXNORM	1112220	chlorpheniramine maleate 0.8 MG/ML / hydrocodone bitartrate 1 MG/ML / pseudoephedrine hydrochloride 12 MG/ML Oral Solution
Denominator Exclusion - Opioid Medication	RXNORM	1154523	codeine / guaifenesin / phenylephrine Oral Product

Denominator Exclusion - Opioid Medication	RXNORM	1154803	codeine / guaifenesin / phenylephrine Pill
Denominator Exclusion - Opioid Medication	RXNORM	1154810	codeine / guaifenesin / pseudoephedrine Oral Liquid Product
Denominator Exclusion - Opioid Medication	RXNORM	1154811	codeine / guaifenesin / pseudoephedrine Oral Product
Denominator Exclusion - Opioid Medication	RXNORM	1154812	codeine / guaifenesin / pseudoephedrine Pill
Denominator Exclusion - Opioid Medication	RXNORM	1154815	codeine / guaifenesin Oral Liquid Product
Denominator Exclusion - Opioid Medication	RXNORM	1154816	codeine / guaifenesin Oral Product
Denominator Exclusion - Opioid Medication	RXNORM	1154817	codeine / guaifenesin Pill
Denominator Exclusion - Opioid Medication	RXNORM	1154818	codeine / ibuprofen Oral Product
Denominator Exclusion - Opioid Medication	RXNORM	1154819	codeine / ibuprofen Pill
Denominator Exclusion - Opioid Medication	RXNORM	1154820	codeine / kaolin Oral Liquid Product
Denominator Exclusion - Opioid Medication	RXNORM	1154821	codeine / kaolin Oral Product
Denominator Exclusion - Opioid Medication	RXNORM	1154830	codeine / phenylephrine / promethazine Oral Liquid Product
Denominator Exclusion - Opioid Medication	RXNORM	1154831	codeine / phenylephrine / promethazine Oral Product
Denominator Exclusion - Opioid Medication	RXNORM	1155183	codeine Injectable Product
Denominator Exclusion - Opioid Medication	RXNORM	371609	codeine Injectable Solution
Denominator Exclusion - Opioid Medication	RXNORM	1155184	codeine Oral Liquid Product
Denominator Exclusion - Opioid Medication	RXNORM	1155185	codeine Oral Product
Denominator Exclusion - Opioid Medication	RXNORM	371610	codeine Oral Solution

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Denominator Exclusion - Opioid Medication	RXNORM	371613	codeine Oral Tablet
Denominator Exclusion - Opioid Medication	RXNORM	1088951	codeine phosphate 1 MG/ML / guaifenesin 20 MG/ML / pseudoephedrine hydrochloride 3 MG/ML Oral Suspension
Denominator Exclusion - Opioid Medication	RXNORM	1088963	codeine phosphate 1 MG/ML / guaifenesin 20 MG/ML / pseudoephedrine hydrochloride 3.33 MG/ML Oral Suspension
Denominator Exclusion - Opioid Medication	RXNORM	1088968	codeine phosphate 1 MG/ML / guaifenesin 20 MG/ML / pseudoephedrine hydrochloride 3.75 MG/ML Oral Suspension
Denominator Exclusion - Opioid Medication	RXNORM	1088975	codeine phosphate 1 MG/ML / guaifenesin 20 MG/ML / pseudoephedrine hydrochloride 4 MG/ML Oral Suspension
Denominator Exclusion - Opioid Medication	RXNORM	1089021	codeine phosphate 1 MG/ML / guaifenesin 20 MG/ML / pseudoephedrine hydrochloride 4.29 MG/ML Oral Suspension
Denominator Exclusion - Opioid Medication	RXNORM	1089025	codeine phosphate 1 MG/ML / guaifenesin 20 MG/ML / pseudoephedrine hydrochloride 5 MG/ML Oral Suspension
Denominator Exclusion - Opioid Medication	RXNORM	1089028	codeine phosphate 1 MG/ML / guaifenesin 20 MG/ML / pseudoephedrine hydrochloride 6 MG/ML Oral Suspension
Denominator Exclusion - Opioid Medication	RXNORM	997019	codeine phosphate 1 MG/ML / kaolin 300 MG/ML Oral Suspension
Denominator Exclusion - Opioid Medication	RXNORM	1190580	codeine phosphate 1.2 MG/ML / dexbrompheniramine maleate 0.133 MG/ML / pseudoephedrine hydrochloride 4 MG/ML Oral Solution
Denominator Exclusion - Opioid Medication	RXNORM	1114026	codeine phosphate 1.6 MG/ML / guaifenesin 40 MG/ML Oral Solution
Denominator Exclusion - Opioid Medication	RXNORM	1440003	codeine phosphate 1.8 MG/ML / dexchlorpheniramine maleate 0.2 MG/ML / phenylephrine hydrochloride 1 MG/ML Oral Solution
Denominator Exclusion - Opioid Medication	RXNORM	1089055	codeine phosphate 10 MG / guaifenesin 400 MG / pseudoephedrine hydrochloride 20 MG Oral Tablet
Denominator Exclusion - Opioid Medication	RXNORM	1089058	codeine phosphate 10 MG / guaifenesin 400 MG / pseudoephedrine hydrochloride 30 MG Oral Tablet
Denominator Exclusion - Opioid Medication	RXNORM	997164	codeine phosphate 12.5 MG / ibuprofen 200 MG Oral Tablet

Denominator Exclusion - Opioid Medication	RXNORM	997165	codeine phosphate 12.8 MG / ibuprofen 200 MG Oral Tablet
Denominator Exclusion - Opioid Medication	RXNORM	997169	codeine phosphate 15 MG Oral Tablet
Denominator Exclusion - Opioid Medication	RXNORM	1792707	codeine phosphate 2 MG/ML / guaifenesin 40 MG/ML / pseudoephedrine hydrochloride 6 MG/ML Oral Solution
Denominator Exclusion - Opioid Medication	RXNORM	1661319	codeine phosphate 2 MG/ML / phenylephrine hydrochloride 2 MG/ML / triprolidine hydrochloride 0.5 MG/ML Oral Solution
Denominator Exclusion - Opioid Medication	RXNORM	991486	codeine phosphate 2 MG/ML / promethazine hydrochloride 1.25 MG/ML Oral Solution
Denominator Exclusion - Opioid Medication	RXNORM	997280	codeine phosphate 20 MG / ibuprofen 300 MG Extended Release Oral Tablet
Denominator Exclusion - Opioid Medication	RXNORM	997284	codeine phosphate 3 MG/ML Oral Solution
Denominator Exclusion - Opioid Medication	RXNORM	997285	codeine phosphate 30 MG Oral Tablet
Denominator Exclusion - Opioid Medication	RXNORM	996734	codeine phosphate 5 MG/ML Oral Solution
Denominator Exclusion - Opioid Medication	RXNORM	997301	codeine phosphate 60 MG Oral Tablet
Denominator Exclusion - Opioid Medication	RXNORM	997303	codeine phosphate 60 MG/ML Injectable Solution
Denominator Exclusion - Opioid Medication	RXNORM	1155186	codeine Pill
Denominator Exclusion - Opioid Medication	RXNORM	997170	codeine sulfate 15 MG Oral Tablet
Denominator Exclusion - Opioid Medication	RXNORM	997287	codeine sulfate 30 MG Oral Tablet
Denominator Exclusion - Opioid Medication	RXNORM	997296	codeine sulfate 60 MG Oral Tablet
Denominator Exclusion - Opioid Medication	RXNORM	1168113	ConZip Oral Product
Denominator Exclusion - Opioid Medication	RXNORM	1168114	ConZip Pill

Denominator Exclusion - Opioid Medication	RXNORM	1172420	Demerol Injectable Product
Denominator Exclusion - Opioid Medication	RXNORM	1172426	Demerol Oral Product
Denominator Exclusion - Opioid Medication	RXNORM	1172427	Demerol Pill
Denominator Exclusion - Opioid Medication	RXNORM	250880	dextromoramide 10 MG Oral Tablet
Denominator Exclusion - Opioid Medication	RXNORM	250879	dextromoramide 5 MG Oral Tablet
Denominator Exclusion - Opioid Medication	RXNORM	1168868	Dilaudid Injectable Product
Denominator Exclusion - Opioid Medication	RXNORM	1168869	Dilaudid Oral Liquid Product
Denominator Exclusion - Opioid Medication	RXNORM	1168870	Dilaudid Oral Product
Denominator Exclusion - Opioid Medication	NDC	35356051430	Dilaudid Oral Tablet 2 MG
Denominator Exclusion - Opioid Medication	NDC	42858012201	Dilaudid Oral Tablet 2 MG
Denominator Exclusion - Opioid Medication	RXNORM	1168871	Dilaudid Pill
Denominator Exclusion - Opioid Medication	RXNORM	1990743	Diskets Oral Liquid Product
Denominator Exclusion - Opioid Medication	RXNORM	1990744	Diskets Oral Product
Denominator Exclusion - Opioid Medication	RXNORM	1174574	Dolophine Oral Product
Denominator Exclusion - Opioid Medication	RXNORM	1174575	Dolophine Pill
Denominator Exclusion - Opioid Medication	RXNORM	1174579	Dolorex Solution Injectable Product
Denominator Exclusion - Opioid Medication	RXNORM	1168222	Duramorph Injectable Product
Denominator Exclusion - Opioid Medication	RXNORM	1176583	Endocet Oral Product

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Denominator Exclusion - Opioid Medication	RXNORM	1176580	Endocet Pill
Denominator Exclusion - Opioid Medication	RXNORM	4337	fentanyl
Denominator Exclusion - Opioid Medication	RXNORM	668363	fentanyl 0.1 MG Buccal Tablet
Denominator Exclusion - Opioid Medication	RXNORM	668622	fentanyl 0.1 MG Buccal Tablet [Fentora]
Denominator Exclusion - Opioid Medication	RXNORM	1053647	fentanyl 0.1 MG Sublingual Tablet
Denominator Exclusion - Opioid Medication	RXNORM	1053651	fentanyl 0.1 MG Sublingual Tablet [Abstral]
Denominator Exclusion - Opioid Medication	RXNORM	1115573	fentanyl 0.1 MG/ACTUAT Metered Dose Nasal Spray
Denominator Exclusion - Opioid Medication	RXNORM	1115575	fentanyl 0.1 MG/ACTUAT Metered Dose Nasal Spray [Lazanda]
Denominator Exclusion - Opioid Medication	RXNORM	1237050	fentanyl 0.1 MG/ACTUAT Mucosal Spray
Denominator Exclusion - Opioid Medication	RXNORM	1237055	fentanyl 0.1 MG/ACTUAT Mucosal Spray [Subsys]
Denominator Exclusion - Opioid Medication	RXNORM	858092	fentanyl 0.2 MG Buccal Film
Denominator Exclusion - Opioid Medication	RXNORM	668364	fentanyl 0.2 MG Buccal Tablet
Denominator Exclusion - Opioid Medication	RXNORM	668624	fentanyl 0.2 MG Buccal Tablet [Fentora]
Denominator Exclusion - Opioid Medication	RXNORM	310295	fentanyl 0.2 MG Oral Lozenge
Denominator Exclusion - Opioid Medication	RXNORM	261106	fentanyl 0.2 MG Oral Lozenge [Actiq]
Denominator Exclusion - Opioid Medication	RXNORM	1053652	fentanyl 0.2 MG Sublingual Tablet
Denominator Exclusion - Opioid Medication	RXNORM	1053654	fentanyl 0.2 MG Sublingual Tablet [Abstral]
Denominator Exclusion - Opioid Medication	RXNORM	1237057	fentanyl 0.2 MG/ACTUAT Mucosal Spray

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Denominator Exclusion - Opioid Medication	RXNORM	1237059	fentanyl 0.2 MG/ACTUAT Mucosal Spray [Subsys]
Denominator Exclusion - Opioid Medication	RXNORM	706898	fentanyl 0.3 MG Buccal Tablet
Denominator Exclusion - Opioid Medication	RXNORM	310296	fentanyl 0.3 MG Oral Lozenge
Denominator Exclusion - Opioid Medication	RXNORM	1053655	fentanyl 0.3 MG Sublingual Tablet
Denominator Exclusion - Opioid Medication	RXNORM	1053657	fentanyl 0.3 MG Sublingual Tablet [Abstral]
Denominator Exclusion - Opioid Medication	RXNORM	1729320	fentanyl 0.3 MG/ACTUAT Metered Dose Nasal Spray
Denominator Exclusion - Opioid Medication	RXNORM	858095	fentanyl 0.4 MG Buccal Film
Denominator Exclusion - Opioid Medication	RXNORM	668365	fentanyl 0.4 MG Buccal Tablet
Denominator Exclusion - Opioid Medication	RXNORM	668626	fentanyl 0.4 MG Buccal Tablet [Fentora]
Denominator Exclusion - Opioid Medication	RXNORM	310297	fentanyl 0.4 MG Oral Lozenge
Denominator Exclusion - Opioid Medication	RXNORM	262219	fentanyl 0.4 MG Oral Lozenge [Actiq]
Denominator Exclusion - Opioid Medication	RXNORM	1053658	fentanyl 0.4 MG Sublingual Tablet
Denominator Exclusion - Opioid Medication	RXNORM	1053660	fentanyl 0.4 MG Sublingual Tablet [Abstral]
Denominator Exclusion - Opioid Medication	RXNORM	1115577	fentanyl 0.4 MG/ACTUAT Metered Dose Nasal Spray
Denominator Exclusion - Opioid Medication	RXNORM	1115579	fentanyl 0.4 MG/ACTUAT Metered Dose Nasal Spray [Lazanda]
Denominator Exclusion - Opioid Medication	RXNORM	1237060	fentanyl 0.4 MG/ACTUAT Mucosal Spray
Denominator Exclusion - Opioid Medication	RXNORM	1237062	fentanyl 0.4 MG/ACTUAT Mucosal Spray [Subsys]
Denominator Exclusion - Opioid Medication	RXNORM	858098	fentanyl 0.6 MG Buccal Film

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Denominator Exclusion - Opioid Medication	RXNORM	668366	fentanyl 0.6 MG Buccal Tablet
Denominator Exclusion - Opioid Medication	RXNORM	668628	fentanyl 0.6 MG Buccal Tablet [Fentora]
Denominator Exclusion - Opioid Medication	RXNORM	313992	fentanyl 0.6 MG Oral Lozenge
Denominator Exclusion - Opioid Medication	RXNORM	261107	fentanyl 0.6 MG Oral Lozenge [Actiq]
Denominator Exclusion - Opioid Medication	RXNORM	1053661	fentanyl 0.6 MG Sublingual Tablet
Denominator Exclusion - Opioid Medication	RXNORM	1053663	fentanyl 0.6 MG Sublingual Tablet [Abstral]
Denominator Exclusion - Opioid Medication	RXNORM	1237064	fentanyl 0.6 MG/ACTUAT Mucosal Spray
Denominator Exclusion - Opioid Medication	RXNORM	1237066	fentanyl 0.6 MG/ACTUAT Mucosal Spray [Subsys]
Denominator Exclusion - Opioid Medication	RXNORM	858101	fentanyl 0.8 MG Buccal Film
Denominator Exclusion - Opioid Medication	RXNORM	668367	fentanyl 0.8 MG Buccal Tablet
Denominator Exclusion - Opioid Medication	RXNORM	668630	fentanyl 0.8 MG Buccal Tablet [Fentora]
Denominator Exclusion - Opioid Medication	RXNORM	313993	fentanyl 0.8 MG Oral Lozenge
Denominator Exclusion - Opioid Medication	RXNORM	261108	fentanyl 0.8 MG Oral Lozenge [Actiq]
Denominator Exclusion - Opioid Medication	RXNORM	1053664	fentanyl 0.8 MG Sublingual Tablet
Denominator Exclusion - Opioid Medication	RXNORM	1053666	fentanyl 0.8 MG Sublingual Tablet [Abstral]
Denominator Exclusion - Opioid Medication	RXNORM	1237068	fentanyl 0.8 MG/ACTUAT Mucosal Spray
Denominator Exclusion - Opioid Medication	RXNORM	1237070	fentanyl 0.8 MG/ACTUAT Mucosal Spray [Subsys]
Denominator Exclusion - Opioid Medication	RXNORM	858087	fentanyl 1.2 MG Buccal Film

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Denominator Exclusion - Opioid Medication	RXNORM	310293	fentanyl 1.2 MG Oral Lozenge
Denominator Exclusion - Opioid Medication	RXNORM	261109	fentanyl 1.2 MG Oral Lozenge [Actiq]
Denominator Exclusion - Opioid Medication	RXNORM	310294	fentanyl 1.6 MG Oral Lozenge
Denominator Exclusion - Opioid Medication	RXNORM	261110	fentanyl 1.6 MG Oral Lozenge [Actiq]
Denominator Exclusion - Opioid Medication	RXNORM	858086	fentanyl Buccal Film
Denominator Exclusion - Opioid Medication	RXNORM	1295170	fentanyl Buccal Product
Denominator Exclusion - Opioid Medication	RXNORM	668362	fentanyl Buccal Tablet
Denominator Exclusion - Opioid Medication	RXNORM	668621	fentanyl Buccal Tablet [Fentora]
Denominator Exclusion - Opioid Medication	RXNORM	1734964	fentanyl Cartridge
Denominator Exclusion - Opioid Medication	RXNORM	1159055	fentanyl Inhalant Product
Denominator Exclusion - Opioid Medication	RXNORM	1159056	fentanyl Injectable Product
Denominator Exclusion - Opioid Medication	RXNORM	1294774	fentanyl Lozenge Product
Denominator Exclusion - Opioid Medication	RXNORM	1237048	fentanyl Mucosal Product
Denominator Exclusion - Opioid Medication	RXNORM	1237049	fentanyl Mucosal Spray
Denominator Exclusion - Opioid Medication	RXNORM	1237053	fentanyl Mucosal Spray [Subsys]
Denominator Exclusion - Opioid Medication	RXNORM	1159057	fentanyl Nasal Product
Denominator Exclusion - Opioid Medication	RXNORM	372161	fentanyl Oral Lozenge
Denominator Exclusion - Opioid Medication	RXNORM	367214	fentanyl Oral Lozenge [Actiq]

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Denominator Exclusion - Opioid Medication	RXNORM	1159058	fentanyl Oral Product
Denominator Exclusion - Opioid Medication	RXNORM	1159059	fentanyl Pill
Denominator Exclusion - Opioid Medication	RXNORM	1294974	fentanyl Sublingual Product
Denominator Exclusion - Opioid Medication	RXNORM	1053646	fentanyl Sublingual Tablet
Denominator Exclusion - Opioid Medication	RXNORM	1053650	fentanyl Sublingual Tablet [Abstral]
Denominator Exclusion - Opioid Medication	RXNORM	1159060	fentanyl Topical Product
Denominator Exclusion - Opioid Medication	RXNORM	1294794	fentanyl Transdermal Product
Denominator Exclusion - Opioid Medication	RXNORM	1806273	fentanyl Transdermal System
Denominator Exclusion - Opioid Medication	RXNORM	1806414	fentanyl Transdermal System [Insys]
Denominator Exclusion - Opioid Medication	RXNORM	1296911	Fentora Buccal Product
Denominator Exclusion - Opioid Medication	RXNORM	1166500	Fentora Oral Product
Denominator Exclusion - Opioid Medication	RXNORM	1166501	Fentora Pill
Denominator Exclusion - Opioid Medication	RXNORM	1157830	guaiacolsulfonate / hydrocodone Oral Liquid Product
Denominator Exclusion - Opioid Medication	RXNORM	1157831	guaiacolsulfonate / hydrocodone Oral Product
Denominator Exclusion - Opioid Medication	RXNORM	858967	guaiacolsulfonate 60 MG/ML / hydrocodone bitartrate 0.9 MG/ML Oral Solution
Denominator Exclusion - Opioid Medication	RXNORM	1158557	guaifenesin / hydrocodone / pseudoephedrine Oral Liquid Product
Denominator Exclusion - Opioid Medication	RXNORM	1158558	guaifenesin / hydrocodone / pseudoephedrine Oral Product
Denominator Exclusion - Opioid Medication	RXNORM	1158562	guaifenesin / hydrocodone Oral Liquid Product

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Denominator Exclusion - Opioid Medication	RXNORM	1158563	guaifenesin / hydrocodone Oral Product
Denominator Exclusion - Opioid Medication	RXNORM	1651558	guaifenesin 40 MG/ML / hydrocodone bitartrate 0.5 MG/ML / pseudoephedrine hydrochloride 6 MG/ML Oral Solution
Denominator Exclusion - Opioid Medication	RXNORM	859383	guaifenesin 40 MG/ML / hydrocodone bitartrate 0.5 MG/ML Oral Solution
Denominator Exclusion - Opioid Medication	RXNORM	250473	heroin 10 MG Oral Tablet
Denominator Exclusion - Opioid Medication	RXNORM	1159519	homatropine / hydrocodone Oral Liquid Product
Denominator Exclusion - Opioid Medication	RXNORM	1159520	homatropine / hydrocodone Oral Product
Denominator Exclusion - Opioid Medication	RXNORM	1159521	homatropine / hydrocodone Pill
Denominator Exclusion - Opioid Medication	RXNORM	992668	homatropine methylbromide 0.3 MG/ML / hydrocodone bitartrate 1 MG/ML Oral Solution
Denominator Exclusion - Opioid Medication	RXNORM	992656	homatropine methylbromide 1.5 MG / hydrocodone bitartrate 5 MG Oral Tablet
Denominator Exclusion - Opioid Medication	RXNORM	1172717	Hycet Oral Liquid Product
Denominator Exclusion - Opioid Medication	RXNORM	1172718	Hycet Oral Product
Denominator Exclusion – Opioid Medication	RXNORM	1182580	Roxicodone Pill
Denominator Exclusion – Opioid Medication	RXNORM	1944533	Roxybond Oral Product
Denominator Exclusion – Opioid Medication	RXNORM	1944534	Roxybond Pill
Denominator Exclusion – Opioid Medication	RXNORM	1996188	Sublocade Injectable Product
Denominator Exclusion – Opioid Medication	RXNORM	1237054	Subsys Mucosal Product
Denominator Exclusion – Opioid Medication	RXNORM	1177849	Talwin Injectable Product
Denominator Exclusion – Opioid Medication	RXNORM	825409	tapentadol 100 MG Oral Tablet

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Denominator Exclusion – Opioid Medication	RXNORM	854140	tapentadol 100 MG Oral Tablet [Nucynta]
Denominator Exclusion – Opioid Medication	RXNORM	1356315	tapentadol 20 MG/ML Oral Solution
Denominator Exclusion – Opioid Medication	RXNORM	825411	tapentadol 50 MG Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	854142	tapentadol 50 MG Oral Tablet [Nucynta]
Denominator Exclusion – Opioid Medication	RXNORM	825413	tapentadol 75 MG Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	854144	tapentadol 75 MG Oral Tablet [Nucynta]
Denominator Exclusion – Opioid Medication	RXNORM	1148796	tapentadol Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	1149366	tapentadol Extended Release Oral Tablet [Nucynta]
Denominator Exclusion – Opioid Medication	RXNORM	1160875	tapentadol Oral Product
Denominator Exclusion – Opioid Medication	RXNORM	825408	tapentadol Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	854139	tapentadol Oral Tablet [Nucynta]
Denominator Exclusion – Opioid Medication	RXNORM	1160876	tapentadol Pill
Denominator Exclusion – Opioid Medication	RXNORM	1295674	tramadol Disintegrating Oral Product
Denominator Exclusion – Opioid Medication	RXNORM	402411	tramadol Disintegrating Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	379523	tramadol Extended Release Oral Capsule
Denominator Exclusion – Opioid Medication	RXNORM	1148481	tramadol Extended Release Oral Capsule [ConZip]
Denominator Exclusion – Opioid Medication	RXNORM	374174	tramadol Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	616518	tramadol Extended Release Oral Tablet [Ultram]

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Denominator Exclusion – Opioid Medication	NDC	57664037708	traMADol HCl Oral Tablet 50 MG
Denominator Exclusion – Opioid Medication	NDC	93005801	traMADol HCl Oral Tablet 50 MG
Denominator Exclusion – Opioid Medication	NDC	93005805	traMADol HCl Oral Tablet 50 MG
Denominator Exclusion – Opioid Medication	RXNORM	836485	tramadol hydrochloride 1 MG/ML Oral Solution
Denominator Exclusion – Opioid Medication	RXNORM	836408	tramadol hydrochloride 50 MG Disintegrating Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	849903	tramadol hydrochloride 50 MG Extended Release Oral Capsule
Denominator Exclusion – Opioid Medication	RXNORM	836466	tramadol hydrochloride 50 MG Oral Capsule
Denominator Exclusion – Opioid Medication	RXNORM	835603	tramadol hydrochloride 50 MG Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	835605	tramadol hydrochloride 50 MG Oral Tablet [Ultram]
Denominator Exclusion – Opioid Medication	RXNORM	1740008	{2 (fentanyl 0.6 MG/ACTUAT Mucosal Spray [Subsys]) } Pack [Subsys 1200 MCG]
Denominator Exclusion – Opioid Medication	RXNORM	1740007	{2 (fentanyl 0.6 MG/ACTUAT Mucosal Spray) } Pack
Denominator Exclusion – Opioid Medication	RXNORM	1740010	{2 (fentanyl 0.8 MG/ACTUAT Mucosal Spray [Subsys]) } Pack [Subsys 1600 MCG]
Denominator Exclusion – Opioid Medication	RXNORM	1740009	{2 (fentanyl 0.8 MG/ACTUAT Mucosal Spray) } Pack
Denominator Exclusion – Opioid Medication	RXNORM	1996184	0.5 ML buprenorphine 200 MG/ML Prefilled Syringe
Denominator Exclusion – Opioid Medication	RXNORM	1433251	0.5 ML hydromorphone hydrochloride 1 MG/ML Prefilled Syringe
Denominator Exclusion – Opioid Medication	RXNORM	894911	0.7 ML morphine sulfate 14.3 MG/ML Auto-Injector
Denominator Exclusion – Opioid Medication	RXNORM	1655032	1 ML buprenorphine 0.3 MG/ML Cartridge
Denominator Exclusion – Opioid Medication	RXNORM	238129	1 ML buprenorphine 0.3 MG/ML Injection

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Denominator Exclusion – Opioid Medication	RXNORM	205533	1 ML buprenorphine 0.3 MG/ML Injection [Buprenex]
Denominator Exclusion – Opioid Medication	RXNORM	886627	1 ML butorphanol tartrate 1 MG/ML Injection
Denominator Exclusion – Opioid Medication	RXNORM	1728351	1 ML butorphanol tartrate 2 MG/ML Injection
Denominator Exclusion – Opioid Medication	RXNORM	1724383	1 ML hydromorphone hydrochloride 1 MG/ML Cartridge
Denominator Exclusion – Opioid Medication	RXNORM	897653	1 ML hydromorphone hydrochloride 1 MG/ML Injection
Denominator Exclusion – Opioid Medication	RXNORM	897756	1 ML hydromorphone hydrochloride 1 MG/ML Prefilled Syringe
Denominator Exclusion – Opioid Medication	RXNORM	1872265	1 ML hydromorphone hydrochloride 1 MG/ML Prefilled Syringe [Dilaudid]
Denominator Exclusion – Opioid Medication	RXNORM	1724338	1 ML hydromorphone hydrochloride 10 MG/ML Injection
Denominator Exclusion – Opioid Medication	RXNORM	1724644	1 ML hydromorphone hydrochloride 2 MG/ML Cartridge
Denominator Exclusion – Opioid Medication	RXNORM	1724276	1 ML hydromorphone hydrochloride 2 MG/ML Injection
Denominator Exclusion – Opioid Medication	RXNORM	897757	1 ML hydromorphone hydrochloride 2 MG/ML Prefilled Syringe
Denominator Exclusion – Opioid Medication	RXNORM	1872269	1 ML hydromorphone hydrochloride 2 MG/ML Prefilled Syringe [Dilaudid]
Denominator Exclusion – Opioid Medication	RXNORM	897758	1 ML hydromorphone hydrochloride 4 MG/ML Cartridge
Denominator Exclusion – Opioid Medication	RXNORM	897753	1 ML hydromorphone hydrochloride 4 MG/ML Injection
Denominator Exclusion – Opioid Medication	RXNORM	1872271	1 ML hydromorphone hydrochloride 4 MG/ML Prefilled Syringe
Denominator Exclusion – Opioid Medication	RXNORM	1872272	1 ML hydromorphone hydrochloride 4 MG/ML Prefilled Syringe [Dilaudid]
Denominator Exclusion – Opioid Medication	RXNORM	861493	1 ML meperidine hydrochloride 100 MG/ML Cartridge
Denominator Exclusion – Opioid Medication	RXNORM	1242106	1 ML meperidine hydrochloride 100 MG/ML Cartridge [Demerol]

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Denominator Exclusion – Opioid Medication	RXNORM	1665685	1 ML meperidine hydrochloride 100 MG/ML Injection
Denominator Exclusion – Opioid Medication	RXNORM	1665687	1 ML meperidine hydrochloride 100 MG/ML Injection [Demerol]
Denominator Exclusion – Opioid Medication	RXNORM	861494	1 ML meperidine hydrochloride 25 MG/ML Cartridge
Denominator Exclusion – Opioid Medication	RXNORM	1242503	1 ML meperidine hydrochloride 25 MG/ML Cartridge [Demerol]
Denominator Exclusion – Opioid Medication	RXNORM	861476	1 ML meperidine hydrochloride 25 MG/ML Injection
Denominator Exclusion – Opioid Medication	RXNORM	861473	1 ML meperidine hydrochloride 50 MG/ML Cartridge
Denominator Exclusion – Opioid Medication	RXNORM	861529	1 ML meperidine hydrochloride 50 MG/ML Cartridge [Demerol]
Denominator Exclusion – Opioid Medication	RXNORM	1665697	1 ML meperidine hydrochloride 50 MG/ML Injection
Denominator Exclusion – Opioid Medication	RXNORM	860792	1 ML meperidine hydrochloride 75 MG/ML Cartridge
Denominator Exclusion – Opioid Medication	RXNORM	861617	1 ML meperidine hydrochloride 75 MG/ML Cartridge [Demerol]
Denominator Exclusion – Opioid Medication	RXNORM	861482	1 ML meperidine hydrochloride 75 MG/ML Injection
Denominator Exclusion – Opioid Medication	RXNORM	1731995	1 ML morphine sulfate 10 MG/ML Cartridge
Denominator Exclusion – Opioid Medication	RXNORM	1731993	1 ML morphine sulfate 10 MG/ML Injection
Denominator Exclusion – Opioid Medication	RXNORM	894912	1 ML morphine sulfate 10 MG/ML Prefilled Syringe
Denominator Exclusion – Opioid Medication	RXNORM	1733080	1 ML morphine sulfate 15 MG/ML Cartridge
Denominator Exclusion – Opioid Medication	RXNORM	1232113	1 ML morphine sulfate 15 MG/ML Prefilled Syringe
Denominator Exclusion – Opioid Medication	RXNORM	1729197	1 ML morphine sulfate 2 MG/ML Cartridge
Denominator Exclusion – Opioid Medication	RXNORM	2003714	1 ML morphine sulfate 2 MG/ML Injection

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Denominator Exclusion – Opioid Medication	RXNORM	998212	1 ML morphine sulfate 2 MG/ML Prefilled Syringe
Denominator Exclusion – Opioid Medication	RXNORM	1732014	1 ML morphine sulfate 4 MG/ML Cartridge
Denominator Exclusion – Opioid Medication	RXNORM	1732006	1 ML morphine sulfate 4 MG/ML Injection
Denominator Exclusion – Opioid Medication	RXNORM	998213	1 ML morphine sulfate 4 MG/ML Prefilled Syringe
Denominator Exclusion – Opioid Medication	RXNORM	1732136	1 ML morphine sulfate 5 MG/ML Injection
Denominator Exclusion – Opioid Medication	RXNORM	1442790	1 ML morphine sulfate 5 MG/ML Prefilled Syringe
Denominator Exclusion – Opioid Medication	RXNORM	1732003	1 ML morphine sulfate 8 MG/ML Cartridge
Denominator Exclusion – Opioid Medication	RXNORM	1732011	1 ML morphine sulfate 8 MG/ML Injection
Denominator Exclusion – Opioid Medication	RXNORM	894914	1 ML morphine sulfate 8 MG/ML Prefilled Syringe
Denominator Exclusion – Opioid Medication	RXNORM	1866543	1 ML nalbuphine hydrochloride 10 MG/ML Injection
Denominator Exclusion – Opioid Medication	RXNORM	1866551	1 ML nalbuphine hydrochloride 20 MG/ML Injection
Denominator Exclusion – Opioid Medication	RXNORM	1996192	1.5 ML buprenorphine 200 MG/ML Prefilled Syringe
Denominator Exclusion – Opioid Medication	RXNORM	1731990	1.5 ML morphine sulfate liposomal 10 MG/ML Injection
Denominator Exclusion – Opioid Medication	RXNORM	1735006	10 ML fentanyl 0.05 MG/ML Injection
Denominator Exclusion – Opioid Medication	RXNORM	1728783	10 ML morphine sulfate 0.5 MG/ML Injection
Denominator Exclusion – Opioid Medication	RXNORM	892473	10 ML morphine sulfate 0.5 MG/ML Injection [Duramorph]
Denominator Exclusion – Opioid Medication	RXNORM	1728800	10 ML morphine sulfate 1 MG/ML Injection
Denominator Exclusion – Opioid Medication	RXNORM	892489	10 ML morphine sulfate 1 MG/ML Injection [Duramorph]

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Denominator Exclusion – Opioid Medication	RXNORM	1664543	12 HR chlorpheniramine maleate 8 MG / codeine phosphate 54.3 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	1652087	12 HR chlorpheniramine polistirex 0.8 MG/ML / codeine polistirex 4 MG/ML Extended Release Suspension
Denominator Exclusion – Opioid Medication	RXNORM	1087459	12 HR chlorpheniramine polistirex 1.6 MG/ML / hydrocodone polistirex 2 MG/ML Extended Release Suspension
Denominator Exclusion – Opioid Medication	RXNORM	1860491	12 HR hydrocodone bitartrate 10 MG Extended Release Oral Capsule
Denominator Exclusion – Opioid Medication	RXNORM	1860493	12 HR hydrocodone bitartrate 15 MG Extended Release Oral Capsule
Denominator Exclusion – Opioid Medication	RXNORM	1860495	12 HR hydrocodone bitartrate 20 MG Extended Release Oral Capsule
Denominator Exclusion – Opioid Medication	RXNORM	1860497	12 HR hydrocodone bitartrate 30 MG Extended Release Oral Capsule
Denominator Exclusion – Opioid Medication	RXNORM	1860499	12 HR hydrocodone bitartrate 40 MG Extended Release Oral Capsule
Denominator Exclusion – Opioid Medication	RXNORM	1860501	12 HR hydrocodone bitartrate 50 MG Extended Release Oral Capsule
Denominator Exclusion – Opioid Medication	RXNORM	898611	12 HR hydromorphone hydrochloride 2 MG Extended Release Oral Capsule
Denominator Exclusion – Opioid Medication	RXNORM	898614	12 HR hydromorphone hydrochloride 4 MG Extended Release Oral Capsule
Denominator Exclusion – Opioid Medication	RXNORM	898618	12 HR hydromorphone hydrochloride 8 MG Extended Release Oral Capsule
Denominator Exclusion – Opioid Medication	RXNORM	1049502	12 HR oxycodone hydrochloride 10 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	1049543	12 HR oxycodone hydrochloride 15 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	1049563	12 HR oxycodone hydrochloride 20 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	1049574	12 HR oxycodone hydrochloride 30 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	1049584	12 HR oxycodone hydrochloride 40 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	1049593	12 HR oxycodone hydrochloride 60 MG Extended Release Oral Tablet

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Denominator Exclusion – Opioid Medication	RXNORM	1049599	12 HR oxycodone hydrochloride 80 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	977874	12 HR oxymorphone hydrochloride 10 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	977894	12 HR oxymorphone hydrochloride 15 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	977902	12 HR oxymorphone hydrochloride 20 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	977909	12 HR oxymorphone hydrochloride 30 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	977915	12 HR oxymorphone hydrochloride 40 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	977923	12 HR oxymorphone hydrochloride 5 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	977929	12 HR oxymorphone hydrochloride 7.5 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	1148797	12 HR tapentadol 100 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	1149367	12 HR tapentadol 100 MG Extended Release Oral Tablet [Nucynta]
Denominator Exclusion – Opioid Medication	RXNORM	1148800	12 HR tapentadol 150 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	1149370	12 HR tapentadol 150 MG Extended Release Oral Tablet [Nucynta]
Denominator Exclusion – Opioid Medication	RXNORM	1148803	12 HR tapentadol 200 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	1149373	12 HR tapentadol 200 MG Extended Release Oral Tablet [Nucynta]
Denominator Exclusion – Opioid Medication	RXNORM	1148807	12 HR tapentadol 250 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	1149376	12 HR tapentadol 250 MG Extended Release Oral Tablet [Nucynta]
Denominator Exclusion – Opioid Medication	RXNORM	1148809	12 HR tapentadol 50 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	1149378	12 HR tapentadol 50 MG Extended Release Oral Tablet [Nucynta]

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Denominator Exclusion – Opioid Medication	RXNORM	849561	12 HR tramadol hydrochloride 150 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	904880	168 HR buprenorphine 0.005 MG/HR Transdermal System
Denominator Exclusion – Opioid Medication	RXNORM	904882	168 HR buprenorphine 0.005 MG/HR Transdermal System [BuTrans]
Denominator Exclusion – Opioid Medication	RXNORM	1542997	168 HR buprenorphine 0.0075 MG/HR Transdermal System
Denominator Exclusion – Opioid Medication	RXNORM	1542999	168 HR buprenorphine 0.0075 MG/HR Transdermal System [BuTrans]
Denominator Exclusion – Opioid Medication	RXNORM	904870	168 HR buprenorphine 0.01 MG/HR Transdermal System
Denominator Exclusion – Opioid Medication	RXNORM	904874	168 HR buprenorphine 0.01 MG/HR Transdermal System [BuTrans]
Denominator Exclusion – Opioid Medication	RXNORM	1432969	168 HR buprenorphine 0.015 MG/HR Transdermal System
Denominator Exclusion – Opioid Medication	RXNORM	1432971	168 HR buprenorphine 0.015 MG/HR Transdermal System [BuTrans]
Denominator Exclusion – Opioid Medication	RXNORM	904876	168 HR buprenorphine 0.02 MG/HR Transdermal System
Denominator Exclusion – Opioid Medication	RXNORM	904878	168 HR buprenorphine 0.02 MG/HR Transdermal System [BuTrans]
Denominator Exclusion – Opioid Medication	RXNORM	1723206	2 ML alfentanil 0.5 MG/ML Injection
Denominator Exclusion – Opioid Medication	RXNORM	1728355	2 ML butorphanol tartrate 2 MG/ML Injection
Denominator Exclusion – Opioid Medication	RXNORM	727759	2 ML fentanyl 0.05 MG/ML Cartridge
Denominator Exclusion – Opioid Medication	RXNORM	1735003	2 ML fentanyl 0.05 MG/ML Injection
Denominator Exclusion – Opioid Medication	RXNORM	1665701	2 ML meperidine hydrochloride 50 MG/ML Injection
Denominator Exclusion – Opioid Medication	RXNORM	1665702	2 ML meperidine hydrochloride 50 MG/ML Injection [Demerol]
Denominator Exclusion – Opioid Medication	RXNORM	1728791	2 ML morphine sulfate 0.5 MG/ML Injection

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Denominator Exclusion – Opioid Medication	RXNORM	1728805	2 ML morphine sulfate 1 MG/ML Injection
Denominator Exclusion – Opioid Medication	RXNORM	1735008	20 ML fentanyl 0.05 MG/ML Injection
Denominator Exclusion – Opioid Medication	RXNORM	1731998	20 ML morphine sulfate 10 MG/ML Injection
Denominator Exclusion – Opioid Medication	RXNORM	1731522	20 ML morphine sulfate 25 MG/ML Injection
Denominator Exclusion – Opioid Medication	RXNORM	1731537	20 ML morphine sulfate 50 MG/ML Injection
Denominator Exclusion – Opioid Medication	RXNORM	902729	24 HR hydromorphone hydrochloride 12 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	902736	24 HR hydromorphone hydrochloride 16 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	1306898	24 HR hydromorphone hydrochloride 32 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	902741	24 HR hydromorphone hydrochloride 8 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	892297	24 HR morphine sulfate 120 MG Extended Release Oral Capsule
Denominator Exclusion – Opioid Medication	RXNORM	892342	24 HR morphine sulfate 30 MG Extended Release Oral Capsule
Denominator Exclusion – Opioid Medication	RXNORM	894942	24 HR morphine sulfate 45 MG Extended Release Oral Capsule
Denominator Exclusion – Opioid Medication	RXNORM	892349	24 HR morphine sulfate 60 MG Extended Release Oral Capsule
Denominator Exclusion – Opioid Medication	RXNORM	894970	24 HR morphine sulfate 75 MG Extended Release Oral Capsule
Denominator Exclusion – Opioid Medication	RXNORM	892355	24 HR morphine sulfate 90 MG Extended Release Oral Capsule
Denominator Exclusion – Opioid Medication	RXNORM	1148478	24 HR tramadol hydrochloride 100 MG Extended Release Oral Capsule
Denominator Exclusion – Opioid Medication	RXNORM	1148482	24 HR tramadol hydrochloride 100 MG Extended Release Oral Capsule [ConZip]
Denominator Exclusion – Opioid Medication	RXNORM	833709	24 HR tramadol hydrochloride 100 MG Extended Release Oral Tablet

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Denominator Exclusion – Opioid Medication	RXNORM	1248115	24 HR tramadol hydrochloride 150 MG Extended Release Oral Capsule
Denominator Exclusion – Opioid Medication	RXNORM	1148485	24 HR tramadol hydrochloride 200 MG Extended Release Oral Capsule
Denominator Exclusion – Opioid Medication	RXNORM	1148487	24 HR tramadol hydrochloride 200 MG Extended Release Oral Capsule [ConZip]
Denominator Exclusion – Opioid Medication	RXNORM	833711	24 HR tramadol hydrochloride 200 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	845315	24 HR tramadol hydrochloride 200 MG Extended Release Oral Tablet [Ultram]
Denominator Exclusion – Opioid Medication	RXNORM	1148489	24 HR tramadol hydrochloride 300 MG Extended Release Oral Capsule
Denominator Exclusion – Opioid Medication	RXNORM	1148491	24 HR tramadol hydrochloride 300 MG Extended Release Oral Capsule [ConZip]
Denominator Exclusion – Opioid Medication	RXNORM	833713	24 HR tramadol hydrochloride 300 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	845316	24 HR tramadol hydrochloride 300 MG Extended Release Oral Tablet [Ultram]
Denominator Exclusion – Opioid Medication	RXNORM	1728999	30 ML morphine sulfate 1 MG/ML Injection
Denominator Exclusion – Opioid Medication	RXNORM	1732138	30 ML morphine sulfate 5 MG/ML Injection
Denominator Exclusion – Opioid Medication	RXNORM	1731520	4 ML morphine sulfate 25 MG/ML Injection
Denominator Exclusion – Opioid Medication	RXNORM	1723210	5 ML alfentanil 0.5 MG/ML Injection
Denominator Exclusion – Opioid Medication	RXNORM	1735007	5 ML fentanyl 0.05 MG/ML Injection
Denominator Exclusion – Opioid Medication	RXNORM	1724340	5 ML hydromorphone hydrochloride 10 MG/ML Injection
Denominator Exclusion – Opioid Medication	RXNORM	1735013	50 ML fentanyl 0.05 MG/ML Injection
Denominator Exclusion – Opioid Medication	RXNORM	1724341	50 ML hydromorphone hydrochloride 10 MG/ML Injection
Denominator Exclusion – Opioid Medication	RXNORM	1731545	50 ML morphine sulfate 50 MG/ML Injection

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Denominator Exclusion – Opioid Medication	RXNORM	577057	72 HR fentanyl 0.012 MG/HR Transdermal System
Denominator Exclusion – Opioid Medication	RXNORM	245134	72 HR fentanyl 0.025 MG/HR Transdermal System
Denominator Exclusion – Opioid Medication	RXNORM	1603495	72 HR fentanyl 0.0375 MG/HR Transdermal System
Denominator Exclusion – Opioid Medication	RXNORM	245135	72 HR fentanyl 0.05 MG/HR Transdermal System
Denominator Exclusion – Opioid Medication	RXNORM	1603498	72 HR fentanyl 0.0625 MG/HR Transdermal System
Denominator Exclusion – Opioid Medication	RXNORM	197696	72 HR fentanyl 0.075 MG/HR Transdermal System
Denominator Exclusion – Opioid Medication	RXNORM	1603501	72 HR fentanyl 0.0875 MG/HR Transdermal System
Denominator Exclusion – Opioid Medication	RXNORM	245136	72 HR fentanyl 0.1 MG/HR Transdermal System
Denominator Exclusion – Opioid Medication	RXNORM	1666831	80 ACTUAT fentanyl 0.04 MG/ACTUAT Transdermal System
Denominator Exclusion – Opioid Medication	RXNORM	1666837	80 ACTUAT fentanyl 0.04 MG/ACTUAT Transdermal System [lonsys]
Denominator Exclusion – Opioid Medication	RXNORM	1165961	Abstral Oral Product
Denominator Exclusion – Opioid Medication	RXNORM	1165962	Abstral Pill
Denominator Exclusion – Opioid Medication	RXNORM	1296074	Abstral Sublingual Product
Denominator Exclusion – Opioid Medication	RXNORM	1871434	Abuse-Deterrent 12 HR morphine sulfate 15 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	1871441	Abuse-Deterrent 12 HR morphine sulfate 30 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	1871444	Abuse-Deterrent 12 HR morphine sulfate 60 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	1791558	Abuse-Deterrent 12 HR oxycodone 13.5 MG Extended Release Oral Capsule
Denominator Exclusion – Opioid Medication	RXNORM	1791567	Abuse-Deterrent 12 HR oxycodone 18 MG Extended Release Oral Capsule

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Denominator Exclusion – Opioid Medication	RXNORM	1791574	Abuse-Deterrent 12 HR oxycodone 27 MG Extended Release Oral Capsule
Denominator Exclusion – Opioid Medication	RXNORM	1791580	Abuse-Deterrent 12 HR oxycodone 36 MG Extended Release Oral Capsule
Denominator Exclusion – Opioid Medication	RXNORM	1790527	Abuse-Deterrent 12 HR oxycodone 9 MG Extended Release Oral Capsule
Denominator Exclusion – Opioid Medication	RXNORM	1860157	Abuse-Deterrent 12 HR oxycodone hydrochloride 10 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	1049504	Abuse-Deterrent 12 HR oxycodone hydrochloride 10 MG Extended Release Oral Tablet [Oxycontin]
Denominator Exclusion – Opioid Medication	RXNORM	1860154	Abuse-Deterrent 12 HR oxycodone hydrochloride 15 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	1049545	Abuse-Deterrent 12 HR oxycodone hydrochloride 15 MG Extended Release Oral Tablet [Oxycontin]
Denominator Exclusion – Opioid Medication	RXNORM	1860129	Abuse-Deterrent 12 HR oxycodone hydrochloride 20 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	1049565	Abuse-Deterrent 12 HR oxycodone hydrochloride 20 MG Extended Release Oral Tablet [Oxycontin]
Denominator Exclusion – Opioid Medication	RXNORM	1860151	Abuse-Deterrent 12 HR oxycodone hydrochloride 30 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	1049576	Abuse-Deterrent 12 HR oxycodone hydrochloride 30 MG Extended Release Oral Tablet [Oxycontin]
Denominator Exclusion – Opioid Medication	RXNORM	1860137	Abuse-Deterrent 12 HR oxycodone hydrochloride 40 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	1049586	Abuse-Deterrent 12 HR oxycodone hydrochloride 40 MG Extended Release Oral Tablet [Oxycontin]
Denominator Exclusion – Opioid Medication	RXNORM	1860127	Abuse-Deterrent 12 HR oxycodone hydrochloride 60 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	1049595	Abuse-Deterrent 12 HR oxycodone hydrochloride 60 MG Extended Release Oral Tablet [Oxycontin]
Denominator Exclusion – Opioid Medication	RXNORM	1860148	Abuse-Deterrent 12 HR oxycodone hydrochloride 80 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	1049601	Abuse-Deterrent 12 HR oxycodone hydrochloride 80 MG Extended Release Oral Tablet [Oxycontin]
Denominator Exclusion – Opioid Medication	RXNORM	1595764	Abuse-Deterrent 24 HR hydrocodone bitartrate 100 MG Extended Release Oral Tablet

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Denominator Exclusion – Opioid Medication	RXNORM	1595766	Abuse-Deterrent 24 HR hydrocodone bitartrate 100 MG Extended Release Oral Tablet [Hysingla]
Denominator Exclusion – Opioid Medication	RXNORM	1595770	Abuse-Deterrent 24 HR hydrocodone bitartrate 120 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	1595772	Abuse-Deterrent 24 HR hydrocodone bitartrate 120 MG Extended Release Oral Tablet [Hysingla]
Denominator Exclusion – Opioid Medication	RXNORM	1595730	Abuse-Deterrent 24 HR hydrocodone bitartrate 20 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	1595736	Abuse-Deterrent 24 HR hydrocodone bitartrate 20 MG Extended Release Oral Tablet [Hysingla]
Denominator Exclusion – Opioid Medication	RXNORM	1595740	Abuse-Deterrent 24 HR hydrocodone bitartrate 30 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	1595742	Abuse-Deterrent 24 HR hydrocodone bitartrate 30 MG Extended Release Oral Tablet [Hysingla]
Denominator Exclusion – Opioid Medication	RXNORM	1595746	Abuse-Deterrent 24 HR hydrocodone bitartrate 40 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	1595748	Abuse-Deterrent 24 HR hydrocodone bitartrate 40 MG Extended Release Oral Tablet [Hysingla]
Denominator Exclusion – Opioid Medication	RXNORM	1595752	Abuse-Deterrent 24 HR hydrocodone bitartrate 60 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	1595754	Abuse-Deterrent 24 HR hydrocodone bitartrate 60 MG Extended Release Oral Tablet [Hysingla]
Denominator Exclusion – Opioid Medication	RXNORM	1595758	Abuse-Deterrent 24 HR hydrocodone bitartrate 80 MG Extended Release Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	1595760	Abuse-Deterrent 24 HR hydrocodone bitartrate 80 MG Extended Release Oral Tablet [Hysingla]
Denominator Exclusion – Opioid Medication	RXNORM	863845	Abuse-Deterrent morphine sulfate 100 MG / naltrexone hydrochloride 4 MG Extended Release Oral Capsule
Denominator Exclusion – Opioid Medication	RXNORM	863848	Abuse-Deterrent morphine sulfate 20 MG / naltrexone hydrochloride 0.8 MG Extended Release Oral Capsule
Denominator Exclusion – Opioid Medication	RXNORM	863850	Abuse-Deterrent morphine sulfate 30 MG / naltrexone hydrochloride 1.2 MG Extended Release Oral Capsule
Denominator Exclusion – Opioid Medication	RXNORM	863852	Abuse-Deterrent morphine sulfate 50 MG / naltrexone hydrochloride 2 MG Extended Release Oral Capsule
Denominator Exclusion – Opioid Medication	RXNORM	863854	Abuse-Deterrent morphine sulfate 60 MG / naltrexone hydrochloride 2.4 MG Extended Release Oral Capsule

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Denominator Exclusion – Opioid Medication	RXNORM	863856	Abuse-Deterrent morphine sulfate 80 MG / naltrexone hydrochloride 3.2 MG Extended Release Oral Capsule
Denominator Exclusion – Opioid Medication	RXNORM	1944529	Abuse-Deterrent oxycodone hydrochloride 15 MG Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	1944538	Abuse-Deterrent oxycodone hydrochloride 30 MG Oral Tablet
Denominator Exclusion – Opioid Medication	RXNORM	1944541	Abuse-Deterrent oxycodone hydrochloride 5 MG Oral Tablet
Denominator Exclusions - Acetaminophen/Opioid Medication	RXNORM	1168325	Fioricet with Codeine Pill
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	13551080105	Hycet Oral Solution 7.5-325 MG/15ML
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	713070389	Hycet Oral Solution 7.5-325 MG/15ML
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	76014000125	Hycet Oral Solution 7.5-325 MG/15ML
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	69101060008	HYDROcodone-Acetaminophen Oral Solution 10-325 MG/15ML
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	69101060015	HYDROcodone-Acetaminophen Oral Solution 10-325 MG/15ML
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	79880060015	HYDROcodone-Acetaminophen Oral Solution 10-325 MG/15ML
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	121477240	HYDROcodone-Acetaminophen Oral Solution 2.5-108 MG/5ML
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	66689000450	HYDROcodone-Acetaminophen Oral Solution 2.5-108 MG/5ML
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	66689000501	HYDROcodone-Acetaminophen Oral Solution 5-217 MG/10ML
Denominator Exclusions -	NDC	66689000550	HYDROcodone-Acetaminophen Oral Solution 5-217 MG/10ML

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Acetaminophen/Opioid Medication			
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	121077204	HYDROcodone-Acetaminophen Oral Solution 7.5-325 MG/15ML
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	121077216	HYDROcodone-Acetaminophen Oral Solution 7.5-325 MG/15ML
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	121231615	HYDROcodone-Acetaminophen Oral Solution 7.5-325 MG/15ML
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	64950034047	HYDROcodone-Acetaminophen Oral Solution 7.5-325 MG/15ML
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	64950034316	HYDROcodone-Acetaminophen Oral Solution 7.5-325 MG/15ML
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	66689002304	HYDROcodone-Acetaminophen Oral Solution 7.5-325 MG/15ML
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	66689002316	HYDROcodone-Acetaminophen Oral Solution 7.5-325 MG/15ML
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	66689002350	HYDROcodone-Acetaminophen Oral Solution 7.5-325 MG/15ML
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	713070489	HYDROcodone-Acetaminophen Oral Solution 7.5-325 MG/15ML
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	71930002743	HYDROcodone-Acetaminophen Oral Solution 7.5-325 MG/15ML
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	76181000125	Hydrocodone-Acetaminophen Oral Solution 7.5-325 MG/15ML
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	71930004452	HYDROcodone-Acetaminophen Oral Tablet 10-300 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	406012501	HYDROcodone-Acetaminophen Oral Tablet 10-325 MG

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Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	603388728	HYDROcodone-Acetaminophen Oral Tablet 10-325 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	76218182801	HYDROcodone-Acetaminophen Oral Tablet 2.5-325 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	406037601	HYDROcodone-Acetaminophen Oral Tablet 5-300 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	254203401	HYDROcodone-Acetaminophen Oral Tablet 5-325 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	406012301	HYDROcodone-Acetaminophen Oral Tablet 5-325 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	43353073424	HYDROcodone-Acetaminophen Oral Tablet 5-325 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	53746010905	HYDROcodone-Acetaminophen Oral Tablet 5-325 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	603389021	HYDROcodone-Acetaminophen Oral Tablet 5-325 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	72865011001	HYDROcodone-Acetaminophen Oral Tablet 5-325 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	406037701	HYDROcodone-Acetaminophen Oral Tablet 7.5-300 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	71930004352	HYDROcodone-Acetaminophen Oral Tablet 7.5-300 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	254203501	HYDROcodone-Acetaminophen Oral Tablet 7.5-325 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	27808003603	HYDROcodone-Acetaminophen Oral Tablet 7.5-325 MG
Denominator Exclusions -	NDC	406012401	HYDROcodone-Acetaminophen Oral Tablet 7.5-325 MG

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Acetaminophen/Opioid Medication			
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	406012405	HYDROcodone-Acetaminophen Oral Tablet 7.5-325 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	43386035701	HYDROcodone-Acetaminophen Oral Tablet 7.5-325 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	603389121	HYDROcodone-Acetaminophen Oral Tablet 7.5-325 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	63187065812	HYDROcodone-Acetaminophen Oral Tablet 7.5-325 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	65162011511	HYDROcodone-Acetaminophen Oral Tablet 7.5-325 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	71930002052	HYDROcodone-Acetaminophen Oral Tablet 7.5-325 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	72865011101	HYDROcodone-Acetaminophen Oral Tablet 7.5-325 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	RXNORM	1180294	Lorcet Oral Product
Denominator Exclusions - Acetaminophen/Opioid Medication	RXNORM	1180293	Lorcet Pill
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	17478045016	Lortab Oral Elixir 10-300 MG/15ML
Denominator Exclusions - Acetaminophen/Opioid Medication	RXNORM	1180310	Lortab Oral Liquid Product
Denominator Exclusions - Acetaminophen/Opioid Medication	RXNORM	1180308	Lortab Oral Product
Denominator Exclusions - Acetaminophen/Opioid Medication	RXNORM	1180309	Lortab Pill

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Denominator Exclusions - Acetaminophen/Opioid Medication	RXNORM	904415	nalbuphine hydrochloride 10 MG/ML Injectable Solution
Denominator Exclusions - Acetaminophen/Opioid Medication	RXNORM	904440	nalbuphine hydrochloride 20 MG/ML Injectable Solution
Denominator Exclusions - Acetaminophen/Opioid Medication	RXNORM	1156970	nalbuphine Injectable Product
Denominator Exclusions - Acetaminophen/Opioid Medication	RXNORM	372986	nalbuphine Injectable Solution
Denominator Exclusions - Acetaminophen/Opioid Medication	RXNORM	1866542	nalbuphine Injection
Denominator Exclusions - Acetaminophen/Opioid Medication	RXNORM	1185115	Norco Oral Product
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	23602201	Norco Oral Tablet 10-325 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	23600201	Norco Oral Tablet 5-325 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	52544007101	Norco Oral Tablet 5-325 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	52544091301	Norco Oral Tablet 5-325 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	23602101	Norco Oral Tablet 7.5-325 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	RXNORM	1185116	Norco Pill
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	29033040535	oxyCODONE-Acetaminophen Oral Solution 5-325 MG/5ML
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	406052301	oxyCODONE-Acetaminophen Oral Tablet 10-325 MG

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Acetaminophen/Opioid Medication			
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	71930004752	oxyCODONE-Acetaminophen Oral Tablet 10-325 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	406051201	oxyCODONE-Acetaminophen Oral Tablet 5-325 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	42858010201	oxyCODONE-Acetaminophen Oral Tablet 5-325 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	54055125	oxyCODONE-Acetaminophen Oral Tablet 5-325 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	603499821	oxyCODONE-Acetaminophen Oral Tablet 5-325 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	63187071930	oxyCODONE-Acetaminophen Oral Tablet 5-325 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	406052201	oxyCODONE-Acetaminophen Oral Tablet 7.5-325 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	RXNORM	250485	pentazocine 25 MG Oral Tablet
Denominator Exclusions - Acetaminophen/Opioid Medication	RXNORM	238133	pentazocine 30 MG/ML Injectable Solution
Denominator Exclusions - Acetaminophen/Opioid Medication	RXNORM	857237	pentazocine 30 MG/ML Injectable Solution [Talwin]
Denominator Exclusions - Acetaminophen/Opioid Medication	RXNORM	250486	pentazocine 50 MG Oral Capsule
Denominator Exclusions - Acetaminophen/Opioid Medication	RXNORM	250877	pentazocine 50 MG Rectal Suppository
Denominator Exclusions - Acetaminophen/Opioid Medication	RXNORM	1164783	pentazocine Injectable Product

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Denominator Exclusions - Acetaminophen/Opioid Medication	RXNORM	1185228	Percocet Oral Product
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	63481062970	Percocet Oral Tablet 10-325 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	63481062770	Percocet Oral Tablet 2.5-325 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	63481062370	Percocet Oral Tablet 5-325 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	63481062385	Percocet Oral Tablet 5-325 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	63481062870	Percocet Oral Tablet 7.5-325 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	RXNORM	1185784	Percocet Pill
Denominator Exclusions - Acetaminophen/Opioid Medication	RXNORM	993939	Phenaphen with Codeine #4
Denominator Exclusions - Acetaminophen/Opioid Medication	RXNORM	1537114	Primlev Oral Product
Denominator Exclusions - Acetaminophen/Opioid Medication	RXNORM	1537115	Primlev Pill
Denominator Exclusions - Acetaminophen/Opioid Medication	RXNORM	849279	propoxyphene hydrochloride 65 MG Oral Capsule
Denominator Exclusions - Acetaminophen/Opioid Medication	RXNORM	827748	propoxyphene napsylate 100 MG Oral Tablet
Denominator Exclusions - Acetaminophen/Opioid Medication	RXNORM	373641	propoxyphene Oral Capsule
Denominator Exclusions -	RXNORM	1162932	propoxyphene Oral Product

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Acetaminophen/Opioid Medication			
Denominator Exclusions - Acetaminophen/Opioid Medication	RXNORM	373642	propoxyphene Oral Tablet
Denominator Exclusions - Acetaminophen/Opioid Medication	RXNORM	1162933	propoxyphene Pill
Denominator Exclusions - Acetaminophen/Opioid Medication	NDC	50458051360	Tylenol with Codeine #3 Oral Tablet 300-30 MG
Denominator Exclusions - Acetaminophen/Opioid Medication	RXNORM	1187505	Tylenol with Codeine Oral Product
Denominator Exclusions - Acetaminophen/Opioid Medication	RXNORM	1187503	Tylenol with Codeine Pill
Denominator Exclusions - Acetaminophen/Opioid Medication	RXNORM	1187712	Ultracet Oral Product
Denominator Exclusions - Acetaminophen/Opioid Medication	RXNORM	1187713	Ultracet Pill
Denominator Exclusions - Acetaminophen/Opioid Medication	RXNORM	1542979	Verdrocet Oral Product
Denominator Exclusions - Acetaminophen/Opioid Medication	RXNORM	1542980	Verdrocet Pill
Denominator Exclusions - Acetaminophen/Opioid Medication	RXNORM	1187023	Zamicet Oral Liquid Product
Denominator Exclusions - Acetaminophen/Opioid Medication	RXNORM	1187024	Zamicet Oral Product
Denominator Exclusions - NSAID/Opioid Medication	NDC	62542030117	Hydrocod Poli-Chlorphe Poli ER Oral Suspension Extended Release 10-8 MG/5ML
Denominator Exclusions - NSAID/Opioid Medication	RXNORM	1162788	hydrocodone / ibuprofen Oral Product

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Denominator Exclusions - NSAID/Opioid Medication	RXNORM	370676	hydrocodone / ibuprofen Oral Tablet
Denominator Exclusions - NSAID/Opioid Medication	RXNORM	758973	hydrocodone / ibuprofen Oral Tablet [Ibudone]
Denominator Exclusions - NSAID/Opioid Medication	RXNORM	724134	hydrocodone / ibuprofen Oral Tablet [Reprexain]
Denominator Exclusions - NSAID/Opioid Medication	RXNORM	368308	hydrocodone / ibuprofen Oral Tablet [Vicoprofen]
Denominator Exclusions - NSAID/Opioid Medication	RXNORM	1542985	hydrocodone / ibuprofen Oral Tablet [Xylon]
Denominator Exclusions - NSAID/Opioid Medication	RXNORM	1162789	hydrocodone / ibuprofen Pill
Denominator Exclusions - NSAID/Opioid Medication	RXNORM	1166579	Ibudone Oral Product
Denominator Exclusions - NSAID/Opioid Medication	RXNORM	1166582	Ibudone Pill
Denominator Exclusions - NSAID/Opioid Medication	RXNORM	1165305	ibuprofen / oxycodone Oral Product
Denominator Exclusions - NSAID/Opioid Medication	RXNORM	483322	ibuprofen / oxycodone Oral Tablet
Denominator Exclusions - NSAID/Opioid Medication	RXNORM	1165306	ibuprofen / oxycodone Pill
Denominator Exclusions - NSAID/Opioid Medication	RXNORM	1049589	ibuprofen 400 MG / oxycodone hydrochloride 5 MG Oral Tablet
Denominator Exclusions - NSAID/Opioid Medication	RXNORM	1181342	Reprexain Oral Product
Denominator Exclusions -	RXNORM	1181345	Reprexain Pill

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NSAID/Opioid Medication			
Denominator Exclusions - NSAID/Opioid Medication	RXNORM	1186574	Vicoprofen Oral Product
Denominator Exclusions - NSAID/Opioid Medication	RXNORM	1186575	Vicoprofen Pill
Denominator Exclusions - NSAID/Opioid Medication	RXNORM	1542986	Xylon Oral Product
Denominator Exclusions - NSAID/Opioid Medication	RXNORM	1542987	Xylon Pill
Denominator Exclusions - Opioid Medication	NDC	64950034205	Hycodan Oral Solution 5-1.5 MG/5ML
Denominator Exclusions - Opioid Medication	NDC	27808008601	Hydrocod Poli-Chlorphe Poli ER Oral Suspension Extended Release 10-8 MG/5ML
Denominator Exclusions - Opioid Medication	RXNORM	1162801	hydrocodone / pseudoephedrine Oral Product
Denominator Exclusions - Opioid Medication	RXNORM	1162802	hydrocodone / pseudoephedrine Pill
Denominator Exclusions - Opioid Medication	RXNORM	859315	hydrocodone bitartrate 10 MG / ibuprofen 200 MG Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	859317	hydrocodone bitartrate 10 MG / ibuprofen 200 MG Oral Tablet [Ibudone]
Denominator Exclusions - Opioid Medication	RXNORM	1542988	hydrocodone bitartrate 10 MG / ibuprofen 200 MG Oral Tablet [Xylon]
Denominator Exclusions - Opioid Medication	RXNORM	858770	hydrocodone bitartrate 2.5 MG / ibuprofen 200 MG Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	858772	hydrocodone bitartrate 2.5 MG / ibuprofen 200 MG Oral Tablet [Reprexain]
Denominator Exclusions - Opioid Medication	RXNORM	858778	hydrocodone bitartrate 5 MG / ibuprofen 200 MG Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	858780	hydrocodone bitartrate 5 MG / ibuprofen 200 MG Oral Tablet [Ibudone]
Denominator Exclusions - Opioid Medication	RXNORM	1366873	hydrocodone bitartrate 5 MG / pseudoephedrine hydrochloride 60 MG Oral Tablet

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Denominator Exclusions - Opioid Medication	RXNORM	858798	hydrocodone bitartrate 7.5 MG / ibuprofen 200 MG Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	858838	hydrocodone bitartrate 7.5 MG / ibuprofen 200 MG Oral Tablet [Vicoprofen]
Denominator Exclusions - Opioid Medication	RXNORM	860599	hydrocodone bitartrate 7.5 MG Oral Tablet
Denominator Exclusions - Opioid Medication	NDC	38779076403	HYDROcodone Bitartrate Powder
Denominator Exclusions - Opioid Medication	NDC	121481105	HYDROcodone Bit-Homatrop MBr Oral Solution 5-1.5 MG/5ML
Denominator Exclusions - Opioid Medication	NDC	60432045516	HYDROcodone Bit-Homatrop MBr Oral Solution 5-1.5 MG/5ML
Denominator Exclusions - Opioid Medication	RXNORM	1163405	hydrocodone Oral Product
Denominator Exclusions - Opioid Medication	RXNORM	1163406	hydrocodone Pill
Denominator Exclusions - Opioid Medication	RXNORM	1724190	hydromorphone Cartridge
Denominator Exclusions - Opioid Medication	RXNORM	372427	hydromorphone Extended Release Oral Capsule
Denominator Exclusions - Opioid Medication	RXNORM	902728	hydromorphone Extended Release Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	897771	hydromorphone hydrochloride 1 MG Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	897657	hydromorphone hydrochloride 1 MG/ML Oral Solution
Denominator Exclusions - Opioid Medication	RXNORM	897658	hydromorphone hydrochloride 1 MG/ML Oral Solution [Dilaudid]
Denominator Exclusions - Opioid Medication	RXNORM	898004	hydromorphone hydrochloride 1.3 MG Oral Capsule
Denominator Exclusions - Opioid Medication	RXNORM	897696	hydromorphone hydrochloride 2 MG Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	897698	hydromorphone hydrochloride 2 MG Oral Tablet [Dilaudid]
Denominator Exclusions - Opioid Medication	RXNORM	897745	hydromorphone hydrochloride 2 MG/ML Injectable Solution

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Denominator Exclusions - Opioid Medication	RXNORM	898138	hydromorphone hydrochloride 2.6 MG Oral Capsule
Denominator Exclusions - Opioid Medication	RXNORM	898139	hydromorphone hydrochloride 3 MG Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	897749	hydromorphone hydrochloride 3 MG Rectal Suppository
Denominator Exclusions - Opioid Medication	RXNORM	897702	hydromorphone hydrochloride 4 MG Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	897704	hydromorphone hydrochloride 4 MG Oral Tablet [Dilaudid]
Denominator Exclusions - Opioid Medication	RXNORM	897710	hydromorphone hydrochloride 8 MG Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	897712	hydromorphone hydrochloride 8 MG Oral Tablet [Dilaudid]
Denominator Exclusions - Opioid Medication	RXNORM	1164618	hydromorphone Injectable Product
Denominator Exclusions - Opioid Medication	RXNORM	370652	hydromorphone Injectable Solution
Denominator Exclusions - Opioid Medication	RXNORM	1724207	hydromorphone Injection
Denominator Exclusions - Opioid Medication	RXNORM	1164619	hydromorphone Oral Liquid Product
Denominator Exclusions - Opioid Medication	RXNORM	1164620	hydromorphone Oral Product
Denominator Exclusions - Opioid Medication	RXNORM	370653	hydromorphone Oral Solution
Denominator Exclusions - Opioid Medication	RXNORM	544565	hydromorphone Oral Solution [Dilaudid]
Denominator Exclusions - Opioid Medication	RXNORM	370654	hydromorphone Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	368895	hydromorphone Oral Tablet [Dilaudid]
Denominator Exclusions - Opioid Medication	RXNORM	1164621	hydromorphone Pill
Denominator Exclusions - Opioid Medication	RXNORM	763042	hydromorphone Prefilled Syringe

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Denominator Exclusions - Opioid Medication	RXNORM	1872264	hydromorphone Prefilled Syringe [Dilaudid]
Denominator Exclusions - Opioid Medication	RXNORM	1164622	hydromorphone Rectal Product
Denominator Exclusions - Opioid Medication	RXNORM	370655	hydromorphone Rectal Suppository
Denominator Exclusions - Opioid Medication	RXNORM	492013	Hydrostat
Denominator Exclusions - Opioid Medication	HCPCS	J3010	Injection, fentanyl citrate, 0.1 mg
Denominator Exclusions - Opioid Medication	HCPCS	J1170	Injection, hydromorphone, up to 4 mg
Denominator Exclusions - Opioid Medication	HCPCS	J2175	Injection, meperidine hydrochloride, per 100 mg
Denominator Exclusions - Opioid Medication	HCPCS	J2274	Injection, morphine sulfate, preservative-free for epidural or intrathecal use, 10 mg
Denominator Exclusions - Opioid Medication	HCPCS	J2270	Injection, morphine sulfate, up to 10 mg
Denominator Exclusions - Opioid Medication	RXNORM	1666835	Ionsys Topical Product
Denominator Exclusions - Opioid Medication	RXNORM	1666836	Ionsys Transdermal Product
Denominator Exclusions - Opioid Medication	RXNORM	1168543	Kadian Oral Product
Denominator Exclusions - Opioid Medication	RXNORM	1168544	Kadian Pill
Denominator Exclusions - Opioid Medication	RXNORM	1176279	Lazanda Inhalant Product
Denominator Exclusions - Opioid Medication	RXNORM	1176280	Lazanda Nasal Product
Denominator Exclusions - Opioid Medication	RXNORM	1163479	levorphanol Injectable Product
Denominator Exclusions - Opioid Medication	RXNORM	1163480	levorphanol Oral Product
Denominator Exclusions - Opioid Medication	RXNORM	372593	levorphanol Oral Tablet

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Denominator Exclusions - Opioid Medication	RXNORM	1163481	levorphanol Pill
Denominator Exclusions - Opioid Medication	RXNORM	197873	levorphanol tartrate 2 MG Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	2058845	levorphanol tartrate 3 MG Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	1946529	Matrix Delivery 24 HR tramadol hydrochloride 100 MG Extended Release Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	1946527	Matrix Delivery 24 HR tramadol hydrochloride 200 MG Extended Release Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	1946525	Matrix Delivery 24 HR tramadol hydrochloride 300 MG Extended Release Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	374389	meperidine / promethazine Oral Capsule
Denominator Exclusions - Opioid Medication	RXNORM	1160381	meperidine / promethazine Oral Product
Denominator Exclusions - Opioid Medication	RXNORM	1160382	meperidine / promethazine Pill
Denominator Exclusions - Opioid Medication	RXNORM	1665009	meperidine Cartridge
Denominator Exclusions - Opioid Medication	RXNORM	1665011	meperidine Cartridge [Demerol]
Denominator Exclusions - Opioid Medication	RXNORM	861447	meperidine hydrochloride 10 MG/ML Injectable Solution
Denominator Exclusions - Opioid Medication	RXNORM	861479	meperidine hydrochloride 10 MG/ML Oral Solution
Denominator Exclusions - Opioid Medication	RXNORM	861455	meperidine hydrochloride 100 MG Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	861517	meperidine hydrochloride 100 MG Oral Tablet [Demerol]
Denominator Exclusions - Opioid Medication	RXNORM	861459	meperidine hydrochloride 100 MG/ML Injectable Solution
Denominator Exclusions - Opioid Medication	RXNORM	861531	Meperidine Hydrochloride 25 MG/ML Injectable Solution [Demerol]
Denominator Exclusions - Opioid Medication	RXNORM	861578	meperidine hydrochloride 50 MG / promethazine hydrochloride 25 MG Oral Capsule

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Denominator Exclusions - Opioid Medication	RXNORM	861467	meperidine hydrochloride 50 MG Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	861525	meperidine hydrochloride 50 MG Oral Tablet [Demerol]
Denominator Exclusions - Opioid Medication	RXNORM	861463	meperidine hydrochloride 50 MG/ML Injectable Solution
Denominator Exclusions - Opioid Medication	RXNORM	861522	meperidine hydrochloride 50 MG/ML Injectable Solution [Demerol]
Denominator Exclusions - Opioid Medication	RXNORM	1160383	meperidine Injectable Product
Denominator Exclusions - Opioid Medication	RXNORM	372764	meperidine Injectable Solution
Denominator Exclusions - Opioid Medication	RXNORM	861519	meperidine Injectable Solution [Demerol]
Denominator Exclusions - Opioid Medication	RXNORM	1665037	meperidine Injection
Denominator Exclusions - Opioid Medication	RXNORM	1665686	meperidine Injection [Demerol]
Denominator Exclusions - Opioid Medication	RXNORM	1160384	meperidine Oral Liquid Product
Denominator Exclusions - Opioid Medication	RXNORM	1160385	meperidine Oral Product
Denominator Exclusions - Opioid Medication	RXNORM	608008	meperidine Oral Solution
Denominator Exclusions - Opioid Medication	RXNORM	372766	meperidine Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	861516	meperidine Oral Tablet [Demerol]
Denominator Exclusions - Opioid Medication	RXNORM	1160386	meperidine Pill
Denominator Exclusions - Opioid Medication	RXNORM	251210	meptazinol 100 MG/ML Injectable Solution
Denominator Exclusions - Opioid Medication	RXNORM	106505	meptazinol 200 MG Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	1160981	meptazinol Injectable Product

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Denominator Exclusions - Opioid Medication	RXNORM	1160982	meptazinol Oral Product
Denominator Exclusions - Opioid Medication	RXNORM	1160983	meptazinol Pill
Denominator Exclusions - Opioid Medication	RXNORM	864761	methadone hydrochloride 1 MG/ML Oral Solution
Denominator Exclusions - Opioid Medication	RXNORM	864706	methadone hydrochloride 10 MG Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	864708	methadone hydrochloride 10 MG Oral Tablet [Dolophine]
Denominator Exclusions - Opioid Medication	RXNORM	864714	methadone hydrochloride 10 MG/ML Injectable Solution
Denominator Exclusions - Opioid Medication	RXNORM	991147	methadone hydrochloride 10 MG/ML Oral Solution
Denominator Exclusions - Opioid Medication	RXNORM	991149	methadone hydrochloride 10 MG/ML Oral Solution [Methadose]
Denominator Exclusions - Opioid Medication	RXNORM	864769	methadone hydrochloride 2 MG/ML Oral Solution
Denominator Exclusions - Opioid Medication	RXNORM	864984	methadone hydrochloride 20 MG/ML Oral Solution
Denominator Exclusions - Opioid Medication	RXNORM	864978	methadone hydrochloride 40 MG Tablet for Oral Suspension
Denominator Exclusions - Opioid Medication	RXNORM	1990745	methadone hydrochloride 40 MG Tablet for Oral Suspension [Diskets]
Denominator Exclusions - Opioid Medication	RXNORM	864980	methadone hydrochloride 40 MG Tablet for Oral Suspension [Methadose]
Denominator Exclusions - Opioid Medication	RXNORM	864718	methadone hydrochloride 5 MG Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	864720	methadone hydrochloride 5 MG Oral Tablet [Dolophine]
Denominator Exclusions - Opioid Medication	RXNORM	864826	methadone hydrochloride 5 MG/ML Oral Solution
Denominator Exclusions - Opioid Medication	RXNORM	1161619	methadone Injectable Product
Denominator Exclusions - Opioid Medication	RXNORM	372807	methadone Injectable Solution

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Denominator Exclusions - Opioid Medication	RXNORM	1161620	methadone Oral Liquid Product
Denominator Exclusions - Opioid Medication	RXNORM	1161621	methadone Oral Product
Denominator Exclusions - Opioid Medication	RXNORM	372806	methadone Oral Solution
Denominator Exclusions - Opioid Medication	RXNORM	363965	methadone Oral Solution [Methadose]
Denominator Exclusions - Opioid Medication	RXNORM	372808	methadone Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	368847	methadone Oral Tablet [Dolophine]
Denominator Exclusions - Opioid Medication	RXNORM	1161622	methadone Pill
Denominator Exclusions - Opioid Medication	RXNORM	1869549	methadone Tablet for Oral Suspension
Denominator Exclusions - Opioid Medication	RXNORM	1990742	methadone Tablet for Oral Suspension [Diskets]
Denominator Exclusions - Opioid Medication	RXNORM	1869552	methadone Tablet for Oral Suspension [Methadose]
Denominator Exclusions - Opioid Medication	RXNORM	1185658	Methadose Oral Liquid Product
Denominator Exclusions - Opioid Medication	RXNORM	1185659	Methadose Oral Product
Denominator Exclusions - Opioid Medication	RXNORM	7052	morphine
Denominator Exclusions - Opioid Medication	RXNORM	863844	morphine / naltrexone Extended Release Oral Capsule
Denominator Exclusions - Opioid Medication	RXNORM	1165401	morphine / naltrexone Oral Product
Denominator Exclusions - Opioid Medication	RXNORM	1165402	morphine / naltrexone Pill
Denominator Exclusions - Opioid Medication	RXNORM	1731577	morphine Auto-Injector
Denominator Exclusions - Opioid Medication	RXNORM	374654	morphine Extended Release Oral Capsule

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Denominator Exclusions - Opioid Medication	RXNORM	366919	morphine Extended Release Oral Capsule [Kadian]
Denominator Exclusions - Opioid Medication	RXNORM	372960	morphine Extended Release Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	1871437	morphine Extended Release Oral Tablet [Arymo]
Denominator Exclusions - Opioid Medication	RXNORM	369896	morphine Extended Release Oral Tablet [MS Contin]
Denominator Exclusions - Opioid Medication	RXNORM	1156360	morphine Injectable Product
Denominator Exclusions - Opioid Medication	RXNORM	372956	morphine Injectable Solution
Denominator Exclusions - Opioid Medication	RXNORM	1728776	morphine Injection
Denominator Exclusions - Opioid Medication	RXNORM	1728779	morphine Injection [Astramorph]
Denominator Exclusions - Opioid Medication	RXNORM	1728794	morphine Injection [Duramorph]
Denominator Exclusions - Opioid Medication	RXNORM	1731523	morphine Injection [Infumorph]
Denominator Exclusions - Opioid Medication	RXNORM	477468	morphine liposomal
Denominator Exclusions - Opioid Medication	RXNORM	372961	morphine Oral Capsule
Denominator Exclusions - Opioid Medication	RXNORM	1156362	morphine Oral Liquid Product
Denominator Exclusions - Opioid Medication	RXNORM	1156363	morphine Oral Product
Denominator Exclusions - Opioid Medication	RXNORM	106841	morphine Oral Solution
Denominator Exclusions - Opioid Medication	RXNORM	372959	morphine Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	1156364	morphine Pill
Denominator Exclusions - Opioid Medication	RXNORM	746938	morphine Prefilled Syringe

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Denominator Exclusions - Opioid Medication	RXNORM	1156365	morphine Rectal Product
Denominator Exclusions - Opioid Medication	RXNORM	372957	morphine Rectal Suppository
Denominator Exclusions - Opioid Medication	RXNORM	892494	morphine sulfate 10 MG Extended Release Oral Capsule
Denominator Exclusions - Opioid Medication	RXNORM	892496	morphine sulfate 10 MG Extended Release Oral Capsule [Kadian]
Denominator Exclusions - Opioid Medication	RXNORM	895014	morphine sulfate 10 MG Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	892516	morphine sulfate 10 MG Rectal Suppository
Denominator Exclusions - Opioid Medication	RXNORM	892531	morphine sulfate 10 MG/ML Injectable Solution
Denominator Exclusions - Opioid Medication	RXNORM	895016	morphine sulfate 10 MG/ML Oral Solution
Denominator Exclusions - Opioid Medication	RXNORM	892554	morphine sulfate 100 MG Extended Release Oral Capsule
Denominator Exclusions - Opioid Medication	RXNORM	892556	morphine sulfate 100 MG Extended Release Oral Capsule [Kadian]
Denominator Exclusions - Opioid Medication	RXNORM	891874	morphine sulfate 100 MG Extended Release Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	892560	morphine sulfate 100 MG Extended Release Oral Tablet [MS Contin]
Denominator Exclusions - Opioid Medication	RXNORM	895022	morphine sulfate 100 MG Rectal Suppository
Denominator Exclusions - Opioid Medication	RXNORM	891881	morphine sulfate 15 MG Extended Release Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	892574	morphine sulfate 15 MG Extended Release Oral Tablet [MS Contin]
Denominator Exclusions - Opioid Medication	RXNORM	892579	morphine sulfate 15 MG Oral Capsule
Denominator Exclusions - Opioid Medication	RXNORM	892582	morphine sulfate 15 MG Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	895185	morphine sulfate 15 MG Rectal Suppository

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Denominator Exclusions - Opioid Medication	RXNORM	895194	morphine sulfate 15 MG/ML Injectable Solution
Denominator Exclusions - Opioid Medication	RXNORM	892589	morphine sulfate 2 MG/ML Oral Solution
Denominator Exclusions - Opioid Medication	RXNORM	895199	morphine sulfate 2 MG/ML Oral Suspension
Denominator Exclusions - Opioid Medication	RXNORM	892596	morphine sulfate 20 MG Extended Release Oral Capsule
Denominator Exclusions - Opioid Medication	RXNORM	892598	morphine sulfate 20 MG Extended Release Oral Capsule [Kadian]
Denominator Exclusions - Opioid Medication	RXNORM	895201	morphine sulfate 20 MG Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	892603	morphine sulfate 20 MG Rectal Suppository
Denominator Exclusions - Opioid Medication	RXNORM	895202	morphine sulfate 20 MG/ML Injectable Solution
Denominator Exclusions - Opioid Medication	RXNORM	892625	morphine sulfate 20 MG/ML Oral Solution
Denominator Exclusions - Opioid Medication	RXNORM	892643	morphine sulfate 200 MG Extended Release Oral Capsule
Denominator Exclusions - Opioid Medication	RXNORM	892646	morphine sulfate 200 MG Extended Release Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	892648	morphine sulfate 200 MG Extended Release Oral Tablet [MS Contin]
Denominator Exclusions - Opioid Medication	RXNORM	895206	morphine sulfate 200 MG Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	895208	morphine sulfate 3 MG/ML Oral Suspension
Denominator Exclusions - Opioid Medication	RXNORM	892345	morphine sulfate 30 MG Extended Release Oral Capsule
Denominator Exclusions - Opioid Medication	RXNORM	892658	morphine sulfate 30 MG Extended Release Oral Capsule [Kadian]
Denominator Exclusions - Opioid Medication	RXNORM	891888	morphine sulfate 30 MG Extended Release Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	892660	morphine sulfate 30 MG Extended Release Oral Tablet [MS Contin]

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Denominator Exclusions - Opioid Medication	RXNORM	892669	morphine sulfate 30 MG Oral Capsule
Denominator Exclusions - Opioid Medication	RXNORM	892672	morphine sulfate 30 MG Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	892678	morphine sulfate 30 MG Rectal Suppository
Denominator Exclusions - Opioid Medication	RXNORM	895213	morphine sulfate 30 MG/ML Injectable Solution
Denominator Exclusions - Opioid Medication	RXNORM	895215	morphine sulfate 35 MG Rectal Suppository
Denominator Exclusions - Opioid Medication	RXNORM	895216	Morphine Sulfate 4 MG/ML Injectable Solution
Denominator Exclusions - Opioid Medication	RXNORM	894780	morphine sulfate 4 MG/ML Oral Solution
Denominator Exclusions - Opioid Medication	RXNORM	1303736	morphine sulfate 40 MG Extended Release Oral Capsule
Denominator Exclusions - Opioid Medication	RXNORM	895217	morphine sulfate 5 MG Extended Release Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	894807	morphine sulfate 5 MG Rectal Suppository
Denominator Exclusions - Opioid Medication	RXNORM	895219	morphine sulfate 5 MG/ML Oral Suspension
Denominator Exclusions - Opioid Medication	RXNORM	894801	morphine sulfate 50 MG Extended Release Oral Capsule
Denominator Exclusions - Opioid Medication	RXNORM	894803	morphine sulfate 50 MG Extended Release Oral Capsule [Kadian]
Denominator Exclusions - Opioid Medication	RXNORM	895221	morphine sulfate 50 MG Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	895227	morphine sulfate 50 MG Rectal Suppository
Denominator Exclusions - Opioid Medication	RXNORM	895238	morphine sulfate 6 MG/ML Oral Solution
Denominator Exclusions - Opioid Medication	RXNORM	895240	morphine sulfate 6.67 MG/ML Oral Suspension
Denominator Exclusions - Opioid Medication	RXNORM	892352	morphine sulfate 60 MG Extended Release Oral Capsule

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Denominator Exclusions - Opioid Medication	RXNORM	894805	morphine sulfate 60 MG Extended Release Oral Capsule [Kadian]
Denominator Exclusions - Opioid Medication	RXNORM	891893	morphine sulfate 60 MG Extended Release Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	894813	morphine sulfate 60 MG Extended Release Oral Tablet [MS Contin]
Denominator Exclusions - Opioid Medication	RXNORM	895247	morphine sulfate 60 MG Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	895248	morphine sulfate 75 MG Rectal Suppository
Denominator Exclusions - Opioid Medication	RXNORM	894814	morphine sulfate 80 MG Extended Release Oral Capsule
Denominator Exclusions - Opioid Medication	RXNORM	1184943	MS Contin Oral Product
Denominator Exclusions - Opioid Medication	RXNORM	1184944	MS Contin Pill
Denominator Exclusions - Opioid Medication	RXNORM	1545899	naloxone / oxycodone Oral Product
Denominator Exclusions - Opioid Medication	RXNORM	1156976	naloxone / pentazocine Oral Product
Denominator Exclusions - Opioid Medication	RXNORM	379297	naloxone / pentazocine Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	1156977	naloxone / pentazocine Pill
Denominator Exclusions - Opioid Medication	RXNORM	312289	naloxone 0.5 MG / pentazocine 50 MG Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	1178796	Nucynta Oral Product
Denominator Exclusions - Opioid Medication	RXNORM	1178797	Nucynta Pill
Denominator Exclusions - Opioid Medication	RXNORM	1664446	Oxaydo Oral Product
Denominator Exclusions - Opioid Medication	RXNORM	1664447	Oxaydo Pill
Denominator Exclusions - Opioid Medication	RXNORM	7804	oxycodone

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Denominator Exclusions - Opioid Medication	RXNORM	385094	oxycodone Extended Release Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	370158	oxycodone Extended Release Oral Tablet [Oxycontin]
Denominator Exclusions - Opioid Medication	NDC	527177401	oxyCODONE HCl Oral Capsule 5 MG
Denominator Exclusions - Opioid Medication	NDC	121483940	oxyCODONE HCl Oral Solution 5 MG/5ML
Denominator Exclusions - Opioid Medication	NDC	50383096134	oxyCODONE HCl Oral Solution 5 MG/5ML
Denominator Exclusions - Opioid Medication	NDC	54039041	oxyCODONE HCl Oral Solution 5 MG/5ML
Denominator Exclusions - Opioid Medication	NDC	62559015116	oxyCODONE HCl Oral Solution 5 MG/5ML
Denominator Exclusions - Opioid Medication	NDC	64950035445	oxyCODONE HCl Oral Solution 5 MG/5ML
Denominator Exclusions - Opioid Medication	NDC	64950035450	oxyCODONE HCl Oral Solution 5 MG/5ML
Denominator Exclusions - Opioid Medication	NDC	66689040316	oxyCODONE HCl Oral Solution 5 MG/5ML
Denominator Exclusions - Opioid Medication	NDC	904667840	oxyCODONE HCl Oral Solution 5 MG/5ML
Denominator Exclusions - Opioid Medication	NDC	10702005601	oxyCODONE HCl Oral Tablet 10 MG
Denominator Exclusions - Opioid Medication	NDC	406851001	oxyCODONE HCl Oral Tablet 10 MG
Denominator Exclusions - Opioid Medication	NDC	10702001801	oxyCODONE HCl Oral Tablet 5 MG
Denominator Exclusions - Opioid Medication	NDC	228287611	oxyCODONE HCl Oral Tablet 5 MG
Denominator Exclusions - Opioid Medication	NDC	406055201	oxyCODONE HCl Oral Tablet 5 MG
Denominator Exclusions - Opioid Medication	NDC	43063063156	oxyCODONE HCl Oral Tablet 5 MG
Denominator Exclusions - Opioid Medication	RXNORM	82063	oxycodone hydrochloride

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Denominator Exclusions - Opioid Medication	RXNORM	1049604	oxycodone hydrochloride 1 MG/ML Oral Solution
Denominator Exclusions - Opioid Medication	RXNORM	1049717	oxycodone hydrochloride 10 MG Oral Capsule
Denominator Exclusions - Opioid Medication	RXNORM	1049683	oxycodone hydrochloride 10 MG Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	1049719	oxycodone hydrochloride 10 MG/ML Injectable Solution
Denominator Exclusions - Opioid Medication	RXNORM	1049720	oxycodone hydrochloride 10 MG/ML Oral Solution
Denominator Exclusions - Opioid Medication	RXNORM	1049611	oxycodone hydrochloride 15 MG Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	1049613	oxycodone hydrochloride 15 MG Oral Tablet [Roxicodone]
Denominator Exclusions - Opioid Medication	RXNORM	1049721	oxycodone hydrochloride 20 MG Oral Capsule
Denominator Exclusions - Opioid Medication	RXNORM	1049686	oxycodone hydrochloride 20 MG Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	1049615	oxycodone hydrochloride 20 MG/ML Oral Solution
Denominator Exclusions - Opioid Medication	RXNORM	1049618	oxycodone hydrochloride 30 MG Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	1049620	oxycodone hydrochloride 30 MG Oral Tablet [Roxicodone]
Denominator Exclusions - Opioid Medication	RXNORM	1049727	oxycodone hydrochloride 5 MG Extended Release Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	1049696	oxycodone hydrochloride 5 MG Oral Capsule
Denominator Exclusions - Opioid Medication	RXNORM	1049621	oxycodone hydrochloride 5 MG Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	1664448	oxycodone hydrochloride 5 MG Oral Tablet [Oxaydo]
Denominator Exclusions - Opioid Medication	RXNORM	1049623	oxycodone hydrochloride 5 MG Oral Tablet [Roxicodone]
Denominator Exclusions - Opioid Medication	RXNORM	1113314	oxycodone hydrochloride 7.5 MG Oral Tablet

Denominator Exclusions - Opioid Medication	RXNORM	1664634	oxycodone hydrochloride 7.5 MG Oral Tablet [Oxaydo]
Denominator Exclusions - Opioid Medication	RXNORM	1161680	oxycodone Injectable Product
Denominator Exclusions - Opioid Medication	RXNORM	373195	oxycodone Oral Capsule
Denominator Exclusions - Opioid Medication	RXNORM	1161681	oxycodone Oral Liquid Product
Denominator Exclusions - Opioid Medication	RXNORM	1161682	oxycodone Oral Product
Denominator Exclusions - Opioid Medication	RXNORM	373196	oxycodone Oral Solution
Denominator Exclusions - Opioid Medication	RXNORM	373198	oxycodone Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	1664445	oxycodone Oral Tablet [Oxaydo]
Denominator Exclusions - Opioid Medication	RXNORM	368158	oxycodone Oral Tablet [Roxicodone]
Denominator Exclusions - Opioid Medication	RXNORM	1944532	oxycodone Oral Tablet [Roxybond]
Denominator Exclusions - Opioid Medication	RXNORM	1161683	oxycodone Pill
Denominator Exclusions - Opioid Medication	RXNORM	1177023	Oxycontin Oral Product
Denominator Exclusions - Opioid Medication	NDC	59011041010	OxyCONTIN Oral Tablet ER 12 Hour Abuse-Deterrent 10 MG
Denominator Exclusions - Opioid Medication	RXNORM	1177024	Oxycontin Pill
Denominator Exclusions - Opioid Medication	RXNORM	643115	oxymorphone Extended Release Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	977942	oxymorphone hydrochloride 10 MG Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	977939	oxymorphone hydrochloride 5 MG Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	1162252	oxymorphone Oral Product

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Denominator Exclusions - Opioid Medication	RXNORM	643113	oxymorphone Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	1162253	oxymorphone Pill
Denominator Exclusions - Opioid Medication	RXNORM	1182579	Roxicodone Oral Product
Denominator Exclusions - Opioid Medication	RXNORM	849329	tramadol hydrochloride 50 MG/ML Injectable Solution
Denominator Exclusions - Opioid Medication	RXNORM	849331	tramadol hydrochloride 75 MG Extended Release Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	1157662	tramadol Oral Product
Denominator Exclusions - Opioid Medication	RXNORM	374173	tramadol Oral Tablet
Denominator Exclusions - Opioid Medication	RXNORM	369283	tramadol Oral Tablet [Ultram]
Denominator Exclusions - Opioid Medication	RXNORM	1157663	tramadol Pill
Denominator Exclusions - Opioid Medication	RXNORM	1179687	Trezix Oral Product
Denominator Exclusions - Opioid Medication	RXNORM	1179688	Trezix Pill
Denominator Exclusions - Opioid Medication	RXNORM	1187716	Ultram Oral Product
Denominator Exclusions - Opioid Medication	RXNORM	1187717	Ultram Pill
Denominator Exclusions - Opioid Medication	RXNORM	1790531	Xtampza Oral Product
Denominator Exclusions - Opioid Medication	RXNORM	1790532	Xtampza Pill