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FDA wants to emphasize that the fact that FDA has initiated a query involving a medical product and is reporting findings related to that query does not mean that FDA is suggesting health care practitioners should change their prescribing practices for the medical product or that patients taking the medical product should stop using it. Patients who have questions about the use of an identified medical product should contact their health care practitioners.

The following report contains a description of the request, request specifications, and results from the modular program run(s).

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Overview for Request: cder_mpl1r_wp101

Request ID: cder_mpl1r_wp101_nsdp_v01

<u>Request Description</u>: This report contains estimates of interleukin-1 (IL-1) and interleukin-6 (IL-6) inhibitor use and occurrence of pulmonary arterial hypertension (PAH), interstitial lung disease (ILD), and macrophage activation syndrome (MAS) among an adult cohort with Adult-Onset Still's Disease (AOSD) and a pediatric cohort with Systemic Juvenile Idiopathic Arthritis (SJIA) in the Sentinel Distributed Database (SDD). This is report 2 of 2. Report 1 contains estimates of PAH, ILD, and MAS among an adult cohort with AOSD and a pediatric cohort with SJIA in the SDD.

Sentinel Modular Program Tool Used: Cohort Identification and Descriptive Analysis (CIDA) tool, version 5.4.4

Data Source: Data from October 1, 2015 to March 31, 2018 from 15 Data Partners contributing to the SDD were included in this report. See Appendix A for a list of dates of available data for each Data Partner. This request was distributed to Data Partners on August 15, 2018.

Purpose: The purpose of this request was to estimate the number of incident PAH, ILD, and MAS diagnoses among:

- 1) a cohort of adult members who were dispensed IL-1/-6 inhibitors and were previously diagnosed with AOSD
- 2) a cohort of pediatric members who were dispensed IL-1/-6 inhibitors and were previously diagnosed with SJIA

Member demographic characteristics and health service utilization intensity in the 183 days prior to their first qualifying dispensing, across different care settings, were additionally assessed for each cohort.

Exposures of Interest: The exposures of interest were IL-1 and IL-6 inhibitors; generic names of these drugs include anakinra, canakinumab, rilonacept, sarilumab, and tocilizumab. These exposures were identified using National Drug Codes (NDC) and Healthcare Common Procedure Coding System (HCPCS) codes. Qualifying exposure dispensing dates are defined as the first exposure episode during the query period that meets all requested criteria, specified below. See Appendix B for a full list of drug names and codes used to define IL-1/-6 inhibitors in this request.

<u>Cohort Eligibility Criteria</u>: Those included in the cohorts were required to be continuously enrolled in plans with medical and drug coverage for at least 183 days prior to their first qualifying dispensing, during which gaps in coverage of up to 45 days were allowed. The adult cohort included members who were 17 to less than 65 years of age and had a diagnosis of AOSD. The pediatric cohort included members who were six months to less than 17 years of age and had a diagnosis of SJIA. Eligible members could not have evidence of PAH or ILD events in any available enrollment history prior to the first qualifying dispensing event. Please see Appendix C for a list of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) AOSD and SJIA diagnosis codes used to define the cohorts, and see Appendix D for a list of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and ICD-10-CM codes used as exclusion criteria in defining first qualifying dispensings.

<u>Health Care Characteristics of Interest:</u> Prior glucocorticoid agent and pain medication use were assessed throughout patient's entire available enrollment history until the day prior to first qualifying IL-1/-6 inhibitor dispensing. Diagnoses of PAH, ILD, and MAS were identified from the day after first qualifying IL-1/-6 dispensing until the patient's disenrollment or Data Partner end date. See Appendix E for HCPCS and Current Procedural Terminology, Fourth Edition (CPT-4) codes, and the generic and brand drug names used to define glucocorticoid agents and pain medications, and Appendix F for ICD-10-CM diagnosis codes used to define PAH, ILD, and MAS.

Please see Appendices G (adult population) and H (pediatric population) for the specifications of parameters used in the analyses for this request.

<u>Limitations</u>: Algorithms used to define exposures, outcomes, and inclusion criteria are imperfect; thus, it is possible that there may be misclassification. Therefore, data should be interpreted with this limitation in mind.

<u>Notes:</u> Please contact the Sentinel Operations Center Query Fulfillment Team (qf@sentinelsystem.org) for questions and to provide comments/suggestions for future enhancements to this document.



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Glossary of Terms for Analyses Using Cohort Identification and Descriptive Analysis (CIDA) Tool*

Amount Supplied - number of units (pills, tablets, vials) dispensed. Net amount per NDC per dispensing.

Blackout Period - number of days at the beginning of a treatment episode that events are to be ignored. If an event occurs during the blackout period, the episode is excluded.

Care Setting - type of medical encounter or facility where the exposure, event, or condition code was recorded. Possible care settings include: Inpatient Hospital Stay (IP), Non-Acute Institutional Stay (IS), Emergency Department (ED), Ambulatory Visit (AV), and Other Ambulatory Visit (OA). For laboratory results, possible care settings include: Emergency department (E), Home (H), Inpatient (I), Outpatient (O), or Unknown or Missing (U). Along with the Principal Diagnosis Indicator, forms the Care Setting/PDX parameter.

Ambulatory Visit (AV) - includes visits at outpatient clinics, same-day surgeries, urgent care visits, and other same-day ambulatory hospital encounters, but excludes emergency department encounters.

Emergency Department (ED) - includes ED encounters that become inpatient stays (in which case inpatient stays would be a separate encounter). Excludes urgent care visits.

Inpatient Hospital Stay (IP) - includes all inpatient stays, same-day hospital discharges, hospital transfers, and acute hospital care where the discharge is after the admission date.

Non-Acute Institutional Stay (IS) - includes hospice, skilled nursing facility (SNF), rehab center, nursing home, residential, overnight non-hospital dialysis and other non-hospital stays.

Other Ambulatory Visit (OA) - includes other non overnight AV encounters such as hospice visits, home health visits, skilled nursing facility visits, other non-hospital visits, as well as telemedicine, telephone and email consultations.

Cohort Definition (drug/exposure) - indicates how the cohort will be defined: (1): Cohort includes only the first valid treatment episode during the query period; (2): Cohort includes all valid treatment episodes during the query period; (3): Cohort includes all valid treatment episodes during the query period; (3): Cohort includes all valid treatment episodes during the query period until an event occurs.

Days Supplied - number of days supplied for all dispensings in qualifying treatment episodes.

Eligible Members - number of members eligible for an incident treatment episode (defined by the drug/exposure and event washout periods) with drug and medical coverage during the query period.

Enrollment Gap - number of days allowed between two consecutive enrollment periods without breaking a "continuously enrolled" sequence.

Episodes - treatment episodes; length of episode is determined by days supplied in one dispensing or consecutive dispensings bridged by the episode gap.

Episode Gap - number of days allowed between two (or more) consecutive exposures (dispensings/procedures) to be considered the same treatment episode.

Event Deduplication - specifies how events are counted by the MP algorithm: (0): Counts all occurrences of an HOI during an exposure episode; (1): de-duplicates occurrences of the same HOI code and code type on the same day; (2): de-duplicates occurrences of the same day (e.g., de-duplicates at the group level).

Exposure Episode Length - number of days after exposure initiation that is considered "exposed time."

Exposure Extension Period - number of days post treatment period in which the outcomes/events are counted for a treatment episode. Extensions days are added after any episode gaps have been bridged.

Lookback Period - number of days wherein a member is required to have evidence of pre-existing condition (diagnosis/procedure/drug dispensing).

Maximum Episode Duration - truncates exposure episodes after a requester-specified number of exposed days. Applied after any gaps are bridged and extension days added to the length of the exposure episode.

Member-Years - sum of all days of enrollment with medical and drug coverage in the query period preceded by an exposure washout period all divided by 365.25.

Minimum Days Supplied - specifies a minimum number of days in length of the days supplied for the episode to be considered. **Minimum Episode Duration** - specifies a minimum number of days in length of the episode for it to be considered. Applied after any gaps are bridged and extension days added to the length of the exposure episode.



Monitoring Period - used to define time periods of interest for both sequential analysis and simple cohort characterization requests.

Principal Diagnosis (PDX) - diagnosis or condition established to be chiefly responsible for admission of the patient to the hospital. 'P' = principal diagnosis, 'S' = secondary diagnosis, 'X' = unspecified diagnosis, '.' = blank. Along with the Care Setting values, forms the Caresetting/PDX parameter.

Query Period - period in which the modular program looks for exposures and outcomes of interest.

Treatment Episode Truncation Indicator - indicates whether the exposure episode will be truncated at the occurrence of a requester-specified code.

Washout Period (drug/exposure) - number of days a user is required to have no evidence of prior exposure (drug dispensing/procedure) and continuous drug and medical coverage prior to an incident treatment episode.

Washout Period (event/outcome) - number of days a user is required to have no evidence of a prior event (procedure/diagnosis) and continuous drug and medical coverage prior to an incident treatment episode.

Years at Risk - number of days supplied plus any episode gaps and exposure extension periods all divided by 365.25.

*not all terms may be used in this report



Table 1. Characterization Table for the First Qualifying Dispensing of Interleukin (IL)-1/-6 Inhibitors among Adult Memberswith Adult-Onset Still's Disease (AOSD) in the Sentinel Distributed Database (SDD) between October 1, 2015 and March 31,2018

| vidence of PAH or ILD prior to IL-1/-6 dispensing | Number | |
|---|--------|--------------------|
| Number of episodes | 222 | |
| Number of unique patients | 222 | |
| Eligible Members ¹ | 1,265 | |
| Eligible Member Years ¹ | 984.9 | |
| Characteristic | Mean | Standard Deviation |
| Mean Age | 42 | 11.8 |
| | Number | % |
| Age: 17-64 | 222 | 100.0% |
| Gender (Female) | 139 | 62.6% |
| Gender (Male) | 83 | 37.4% |
| Year (2015) | 61 | 27.5% |
| Year (2016) | 93 | 41.9% |
| Year (2017) | 68 | 30.6% |
| Year (2018) | 0 | 0.0% |
| Recorded history of: | Number | % |
| Glucocorticoid Use | 192 | 86.5% |
| Pain Medication Use | 143 | 64.4% |
| Diagnosis following dispensing: | Number | % |
| Pulmonary Arterial Hypertension (PAH) | 7 | 3.2% |
| Interstitial Lung Disease (ILD) | 2 | 0.9% |
| Macrophage Activation Syndrome (MAS) | 13 | 5.9% |
| Health service utilization intensity in the prior 183 days: | Mean | Standard Deviation |
| Mean number of ambulatory encounters (AV) | 12.3 | 10.2 |
| Mean number of emergency room encounters (ED) | 0.5 | 1.4 |
| Mean number of inpatient hospital encounters (IP) | 0.4 | 0.8 |
| Mean number of non-acute institutional encounters (IS) | 0 | 0.3 |
| Mean number of other ambulatory encounters (OA) | 3.5 | 4.7 |

¹Eligible Members and Member Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period



Table 2. Characterization Table for the First Qualifying Dispensing of Interleukin (IL)-1/-6 Inhibitors among Pediatric Memberswith Systemic Juvenile Idiopathic Arthritis (SJIA) in the Sentinel Distributed Database (SDD) between October 1, 2015 and March31, 2018

| vidence of PAH or ILD prior to IL-1/-6 dispensing | Number | |
|---|--------|--------------------|
| Number of episodes | 194 | |
| Number of unique patients | 194 | |
| Eligible Members ¹ | 897 | |
| Eligible Member Years ¹ | 670.4 | |
| Characteristic | Mean | Standard Deviation |
| Mean Age | 9.3 | 4.8 |
| | Number | % |
| Age: 0-16 | 194 | 100.0% |
| Gender (Female) | 110 | 56.7% |
| Gender (Male) | 84 | 43.3% |
| Year (2015) | 74 | 38.1% |
| Year (2016) | 76 | 39.2% |
| Year (2017) | 44 | 22.7% |
| Year (2018) | 0 | 0.0% |
| Recorded history of: | Number | % |
| Glucocorticoid Use | 144 | 74.2% |
| Pain Medication Use | 135 | 69.6% |
| Diagnosis following dispensing: | Number | % |
| Pulmonary Arterial Hypertension (PAH) | 1 | 0.5% |
| Interstitial Lung Disease (ILD) | 4 | 2.1% |
| Macrophage Activation Syndrome (MAS) | 20 | 10.3% |
| Health service utilization intensity in the prior 183 days: | Mean | Standard Deviation |
| Mean number of ambulatory encounters (AV) | 12.1 | 11.5 |
| Mean number of emergency room encounters (ED) | 0.7 | 1.3 |
| Mean number of inpatient hospital encounters (IP) | 0.5 | 0.7 |
| Mean number of non-acute institutional encounters (IS) | 0 | 0.1 |
| Mean number of other ambulatory encounters (OA) | 3.8 | 12.6 |

¹Eligible Members and Member Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period



Appendix A. Dates of Available Data for Each Data Partner (DP) as of Request End Date (March 31, 2018)

| Data Partner ID | Start Date ¹ | End Date ¹ |
|-----------------|-------------------------|-----------------------|
| DP01 | 01/01/2000 | 03/31/2018 |
| DP02 | 01/01/2005 | 09/30/2017 |
| DP03 | 01/01/2008 | 06/30/2017 |
| DP04 | 01/01/2008 | 11/30/2017 |
| DP05 | 01/01/2000 | 06/30/2017 |
| DP06 | 01/01/2006 | 12/31/2017 |
| DP07 | 01/01/2000 | 08/31/2017 |
| DP08 | 01/01/2000 | 10/31/2017 |
| DP09 | 06/01/2007 | 10/31/2017 |
| DP10 | 01/01/2000 | 12/31/2017 |
| DP11 | 01/01/2004 | 01/31/2018 |
| DP12 | 01/01/2000 | 01/31/2017 |
| DP13 | 01/01/2000 | 12/31/2016 |
| DP14 | 01/01/2000 | 03/31/2016 |
| DP15 | 01/01/2012 | 06/30/2017 |

¹Start Date and End Date are first calculated by individual table (enrollment, dispensing, etc). End Date is defined as the greatest yearmonth with a record count that is within 80% of the previous year-month. After Start Date and End Dates are calculated by individual tables, the overall End Date is the minimum of all the table End Dates.



Appendix B. List of Generic and Brand Drug Names and Healthcare Common Procedure Coding System (HCPCS) Codes Used to Define Interleukin (IL)-1/-6 Inhibitor Exposure in this Request

| | | Anakinra | |
|-----------|----------------|---------------|------------------------------|
| Code Type | Generic Name | Brand Name | |
| NDC | ANAKINRA | Kineret | |
| | | Canakinumab | |
| Code Type | Generic Name | Brand Name | |
| NDC | CANAKINUMAB/PF | llaris (PF) | |
| Code Type | Code | Code Category | Description |
| HCPCS | J0638 | РХ | Injection, canakinumab, 1 mg |
| | | Rilonacept | |
| Code Type | Generic Name | Brand Name | |
| NDC | RILONACEPT | Arcalyst | |
| Code Type | Code | Code Category | Description |
| HCPCS | J2793 | РХ | Injection, rilonacept, 1 mg |
| | | Sarilumab | |
| Code Type | Generic Name | Brand Name | |
| NDC | SARILUMAB | Kevzara | |
| | | Tocilizumab | |
| Code Type | Generic Name | Brand Name | |
| NDC | TOCILIZUMAB | Actemra | |
| Code Type | Code | Code Category | Description |
| HCPCS | C9264 | РХ | Injection, tocilizumab, 1 mg |
| HCPCS | J3262 | PX | Injection, tocilizumab, 1 mg |



Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define the Adult and Pediatric Cohorts in this Request

| Code | Description | Code Type |
|---------|---|-----------|
| | Adult-Onset Still's Disease | |
| M06.1 | Adult-onset Still's disease | ICD-10-CM |
| | Systemic Juvenile Idiopathic Arthritis | |
| M08.2 | Juvenile rheumatoid arthritis with systemic onset | ICD-10-CM |
| M08.20 | Juvenile rheumatoid arthritis with systemic onset, unspecified site | ICD-10-CM |
| M08.21 | Juvenile rheumatoid arthritis with systemic onset, shoulder | ICD-10-CM |
| M08.211 | Juvenile rheumatoid arthritis with systemic onset, right shoulder | ICD-10-CM |
| M08.212 | Juvenile rheumatoid arthritis with systemic onset, left shoulder | ICD-10-CM |
| M08.219 | Juvenile rheumatoid arthritis with systemic onset, unspecified shoulder | ICD-10-CM |
| M08.22 | Juvenile rheumatoid arthritis with systemic onset, elbow | ICD-10-CM |
| M08.221 | Juvenile rheumatoid arthritis with systemic onset, right elbow | ICD-10-CM |
| M08.222 | Juvenile rheumatoid arthritis with systemic onset, left elbow | ICD-10-CM |
| M08.229 | Juvenile rheumatoid arthritis with systemic onset, unspecified elbow | ICD-10-CM |
| M08.23 | Juvenile rheumatoid arthritis with systemic onset, wrist | ICD-10-CM |
| M08.231 | Juvenile rheumatoid arthritis with systemic onset, right wrist | ICD-10-CM |
| M08.232 | Juvenile rheumatoid arthritis with systemic onset, left wrist | ICD-10-CM |
| M08.239 | Juvenile rheumatoid arthritis with systemic onset, unspecified wrist | ICD-10-CM |
| M08.24 | Juvenile rheumatoid arthritis with systemic onset, hand | ICD-10-CM |
| M08.241 | Juvenile rheumatoid arthritis with systemic onset, right hand | ICD-10-CM |
| M08.242 | Juvenile rheumatoid arthritis with systemic onset, left hand | ICD-10-CM |
| M08.249 | Juvenile rheumatoid arthritis with systemic onset, unspecified hand | ICD-10-CM |
| M08.25 | Juvenile rheumatoid arthritis with systemic onset, hip | ICD-10-CM |
| M08.251 | Juvenile rheumatoid arthritis with systemic onset, right hip | ICD-10-CM |
| M08.252 | Juvenile rheumatoid arthritis with systemic onset, left hip | ICD-10-CM |
| M08.259 | Juvenile rheumatoid arthritis with systemic onset, unspecified hip | ICD-10-CM |
| M08.26 | Juvenile rheumatoid arthritis with systemic onset, knee | ICD-10-CM |
| M08.261 | Juvenile rheumatoid arthritis with systemic onset, right knee | ICD-10-CM |
| M08.262 | Juvenile rheumatoid arthritis with systemic onset, left knee | ICD-10-CM |
| M08.269 | Juvenile rheumatoid arthritis with systemic onset, unspecified knee | ICD-10-CM |
| M08.27 | Juvenile rheumatoid arthritis with systemic onset, ankle and foot | ICD-10-CM |
| M08.271 | Juvenile rheumatoid arthritis with systemic onset, right ankle and foot | ICD-10-CM |
| M08.272 | Juvenile rheumatoid arthritis with systemic onset, left ankle and foot | ICD-10-CM |
| M08.279 | Juvenile rheumatoid arthritis with systemic onset, unspecified ankle and foot | ICD-10-CM |
| M08.28 | Juvenile rheumatoid arthritis with systemic onset, vertebrae | ICD-10-CM |
| M08.29 | Juvenile rheumatoid arthritis with systemic onset, multiple sites | ICD-10-CM |



Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used as Exclusion Criteria in Defining First Qualifying Dispensings

| Code | Description | Code Type |
|--------|---|-----------|
| | Pulmonary Arterial Hypertension | |
| 416.0 | Primary pulmonary hypertension | ICD-9-CM |
| 416.2 | Chronic pulmonary embolism | ICD-9-CM |
| 416.8 | Other chronic pulmonary heart diseases | ICD-9-CM |
| 416.9 | Unspecified chronic pulmonary heart disease | ICD-9-CM |
| 127.0 | Primary pulmonary hypertension | ICD-10-CM |
| 127.2 | Other secondary pulmonary hypertension | ICD-10-CM |
| 127.20 | Pulmonary hypertension, unspecified | ICD-10-CM |
| 127.21 | Secondary pulmonary arterial hypertension | ICD-10-CM |
| 27.22 | Pulmonary hypertension due to left heart disease | ICD-10-CM |
| 127.23 | Pulmonary hypertension due to lung diseases and hypoxia | ICD-10-CM |
| 27.24 | Chronic thromboembolic pulmonary hypertension | ICD-10-CM |
| 27.29 | Other secondary pulmonary hypertension | ICD-10-CM |
| 27.8 | Other specified pulmonary heart diseases | ICD-10-CM |
| 27.81 | Cor pulmonale (chronic) | ICD-10-CM |
| 127.82 | Chronic pulmonary embolism | ICD-10-CM |
| 27.83 | Eisenmenger's syndrome | ICD-10-CM |
| 127.89 | Other specified pulmonary heart diseases | ICD-10-CM |
| 127.9 | Pulmonary heart disease, unspecified | ICD-10-CM |
| | Interstitial Lung Disease | |
| 515 | Postinflammatory pulmonary fibrosis | ICD-9-CM |
| | | |

| 515 | Postinflammatory pulmonary fibrosis | ICD-9-CM |
|--------|--|-----------|
| 516.0 | Pulmonary alveolar proteinosis | ICD-9-CM |
| 516.1 | Idiopathic pulmonary hemosiderosis | ICD-9-CM |
| 516.2 | Pulmonary alveolar microlithiasis | ICD-9-CM |
| 516.30 | Idiopathic interstitial pneumonia, not otherwise specified | ICD-9-CM |
| 516.31 | Idiopathic pulmonary fibrosis | ICD-9-CM |
| 516.32 | Idiopathic non-specific interstitial pneumonitis | ICD-9-CM |
| 516.33 | Acute interstitial pneumonitis | ICD-9-CM |
| 516.34 | Respiratory bronchiolitis interstitial lung disease | ICD-9-CM |
| 516.35 | Idiopathic lymphoid interstitial pneumonia | ICD-9-CM |
| 516.36 | Cryptogenic organizing pneumonia | ICD-9-CM |
| 516.37 | Desquamative interstitial pneumonia | ICD-9-CM |
| 516.4 | Lymphangioleiomyomatosis | ICD-9-CM |
| 516.5 | Adult pulmonary Langerhans cell histiocytosis | ICD-9-CM |
| 516.61 | Neuroendocrine cell hyperplasia of infancy | ICD-9-CM |
| 516.62 | Pulmonary interstitial glycogenosis | ICD-9-CM |
| 516.63 | Surfactant mutations of the lung | ICD-9-CM |
| 516.64 | Alveolar capillary dysplasia with vein misalignment | ICD-9-CM |
| 516.69 | Other interstitial lung diseases of childhood | ICD-9-CM |
| 516.8 | Other specified alveolar and parietoalveolar pneumonopathies | ICD-9-CM |
| 516.9 | Unspecified alveolar and parietoalveolar pneumonopathy | ICD-9-CM |
| J84 | Other interstitial pulmonary diseases | ICD-10-CM |
| J84.0 | Alveolar and parieto-alveolar conditions | ICD-10-CM |
| | | |



Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used as Exclusion Criteria in Defining First Qualifying Dispensings

| Code | Description | Code Type |
|--------|--|-----------|
| 84.01 | Alveolar proteinosis | ICD-10-CM |
| 84.02 | Pulmonary alveolar microlithiasis | ICD-10-CM |
| 84.03 | Idiopathic pulmonary hemosiderosis | ICD-10-CM |
| 84.09 | Other alveolar and parieto-alveolar conditions | ICD-10-CM |
| 84.1 | Other interstitial pulmonary diseases with fibrosis | ICD-10-CM |
| 84.10 | Pulmonary fibrosis, unspecified | ICD-10-CM |
| 84.11 | Idiopathic interstitial pneumonia | ICD-10-CM |
| 84.111 | Idiopathic interstitial pneumonia, not otherwise specified | ICD-10-CM |
| 84.112 | Idiopathic pulmonary fibrosis | ICD-10-CM |
| 84.113 | Idiopathic non-specific interstitial pneumonitis | ICD-10-CM |
| 84.114 | Acute interstitial pneumonitis | ICD-10-CM |
| 84.115 | Respiratory bronchiolitis interstitial lung disease | ICD-10-CM |
| 84.116 | Cryptogenic organizing pneumonia | ICD-10-CM |
| 84.117 | Desquamative interstitial pneumonia | ICD-10-CM |
| 84.17 | Other interstitial pulmonary diseases with fibrosis in diseases classified elsewhere | ICD-10-CM |
| 84.2 | Lymphoid interstitial pneumonia | ICD-10-CM |
| 84.8 | Other specified interstitial pulmonary diseases | ICD-10-CM |
| 84.81 | Lymphangioleiomyomatosis | ICD-10-CM |
| 84.82 | Adult pulmonary Langerhans cell histiocytosis | ICD-10-CM |
| 84.83 | Surfactant mutations of the lung | ICD-10-CM |
| 84.84 | Other interstitial lung diseases of childhood | ICD-10-CM |
| 84.841 | Neuroendocrine cell hyperplasia of infancy | ICD-10-CM |
| 34.842 | Pulmonary interstitial glycogenosis | ICD-10-CM |
| 34.843 | Alveolar capillary dysplasia with vein misalignment | ICD-10-CM |
| 84.848 | Other interstitial lung diseases of childhood | ICD-10-CM |
| 84.89 | Other specified interstitial pulmonary diseases | ICD-10-CM |
| 84.9 | Interstitial pulmonary disease, unspecified | ICD-10-CM |



| Code | Description | Code Type |
|-------|--|-----------|
| | Glucocorticoid Agents - Procedure Codes | |
| J0702 | Injection, betamethasone acetate 3 mg and betamethasone | HCPCS |
| J0704 | Injection, betamethasone sodium phosphate, per 4 mg | HCPCS |
| J1700 | Injection, hydrocortisone acetate, up to 25 mg | HCPCS |
| J7638 | Dexamethasone, inhalation solution, compounded product | HCPCS |
| J7312 | Injection, dexamethasone, intravitreal implant, 0.1 mg | HCPCS |
| J8540 | Dexamethasone, oral, 0.25 mg | HCPCS |
| C9256 | Injection, dexamethasone intravitreal implant, 0.1 mg | HCPCS |
| S0173 | Dexamethasone, oral, 4 mg | HCPCS |
| J1094 | Injection, dexamethasone acetate, 1 mg | HCPCS |
| J1095 | Injection, dexamethasone acetate, per 8 mg | HCPCS |
| J1100 | Injection, dexamethasone sodium phosphate, 1 mg | HCPCS |
| J1700 | Injection, hydrocortisone acetate, up to 25 mg | HCPCS |
| J1710 | Injection, hydrocortisone sodium phosphate, up to 50 mg | HCPCS |
| J1720 | Injection, hydrocortisone sodium succinate, up to 100 mg | HCPCS |
| J1020 | Injection, methylprednisolone acetate, 20 mg | HCPCS |
| J1030 | Injection, methylprednisolone acetate, 40 mg | HCPCS |
| J1040 | Injection, methylprednisolone acetate, 80 mg | HCPCS |
| J2920 | Injection, methylprednisolone sodium succinate, up to 40 mg | HCPCS |
| J2930 | Injection, methylprednisolone sodium succinate, up to 125 mg | HCPCS |
| J7509 | Methylprednisolone, oral, per 4 mg | HCPCS |
| S0190 | Mifepristone, oral, 200 mg | HCPCS |
| J2650 | Injection, prednisolone acetate, up to 1 ml | HCPCS |
| J2640 | Injection, prednisolone sodium phosphate, to 20 mg | HCPCS |
| J7510 | Prednisolone, oral, per 5 mg | HCPCS |
| J1690 | Injection, prednisolone tebutate, up to 20 mg | HCPCS |
| J7506 | Prednisone, oral, per 5 mg | HCPCS |
| J3301 | Injection, triamcinolone acetonide, not otherwise specified, 10 mg | HCPCS |
| J3302 | Injection, triamcinolone diacetate, per 5 mg | HCPCS |
| J3303 | Injection, triamcinolone hexacetonide, per 5 mg | HCPCS |
| C9469 | Injection, triamcinolone acetonide, preservative-free | HCPCS |
| J3300 | Injection, triamcinolone acetonide, preservative free, 1 mg | HCPCS |

| Generic Name | Brand Name | | | |
|------------------------------------|-------------|--|--|--|
| Glucocorticoid Agents - Drug Names | | | | |
| BETAMETHASONE | Celestone | | | |
| BUDESONIDE | budesonide | | | |
| BUDESONIDE | Entocort EC | | | |
| BUDESONIDE | Uceris | | | |
| CORTISONE ACETATE | cortisone | | | |
| DEFLAZACORT | Emflaza | | | |
| DEXAMETHASONE | Baycadron | | | |



| Generic Name | Brand Name |
|---|-------------------------------------|
| DEXAMETHASONE | Decadron |
| DEXAMETHASONE | Decadron Dose Pack |
| DEXAMETHASONE | dexamethasone |
| DEXAMETHASONE | Dexamethasone Intensol |
| DEXAMETHASONE | Dexone |
| DEXAMETHASONE | DexPak 10 day |
| DEXAMETHASONE | DexPak 13 Day |
| DEXAMETHASONE | DexPak 6 Day |
| DEXAMETHASONE | LoCort |
| DEXAMETHASONE | TaperDex |
| DEXAMETHASONE | Zema-Pak |
| DEXAMETHASONE | ZoDex |
| DEXAMETHASONE | ZonaCort |
| DEXAMETHASONE SOD PHOSPHATE | Decadron |
| DEXAMETHASONE SODIUM PHOSPHATE IN 0.9 % SODIUM CHLORIDE | dexamethasone in 0.9 % sod chl |
| HYDROCORTISONE | Cortef |
| HYDROCORTISONE | hydrocortisone |
| HYDROCORTISONE | Hydrocortone |
| HYDROCORTISONE CYPIONATE | Cortef (as cypionate) |
| METHYLPREDNISOLONE | Medrol |
| METHYLPREDNISOLONE | Medrol (Pak) |
| METHYLPREDNISOLONE | Meprolone Unipak |
| METHYLPREDNISOLONE | Methylpred |
| METHYLPREDNISOLONE | methylprednisolone |
| METHYLPREDNISOLONE SODIUM SUCCINATE | A-Methapred |
| METHYLPREDNISOLONE SODIUM SUCCINATE | methylprednisolone sodium succinate |
| METHYLPREDNISOLONE SODIUM SUCCINATE | Solu-Medrol |
| METHYLPREDNISOLONE SODIUM SUCCINATE/PF | Solu-Medrol (PF) |
| MIFEPRISTONE | Korlym |
| PREDNISOLONE | Millipred |
| PREDNISOLONE | Millipred DP |
| PREDNISOLONE | prednisolone |
| PREDNISOLONE | Prelone |
| PREDNISOLONE ACETATE | Flo-Pred |
| PREDNISOLONE SOD PHOSPHATE | Bubbli-Pred |
| PREDNISOLONE SOD PHOSPHATE | Millipred |
| PREDNISOLONE SOD PHOSPHATE | Orapred |
| PREDNISOLONE SOD PHOSPHATE | Orapred ODT |
| PREDNISOLONE SOD PHOSPHATE | Pediapred |
| PREDNISOLONE SOD PHOSPHATE | prednisolone sodium phosphate |
| PREDNISOLONE SOD PHOSPHATE | Veripred 20 |
| | veripieu zu |



| Generic Name | Brand Name |
|---|---------------------|
| PREDNISOLONE SODIUM PHOSPHATE/PEAK FLOW METER | Asmalpred |
| PREDNISOLONE SODIUM PHOSPHATE/PEAK FLOW METER | Asmalpred Plus |
| PREDNISONE | Deltasone |
| PREDNISONE | Deltasone Dose Pack |
| PREDNISONE | Liquid Pred |
| PREDNISONE | Meticorten |
| PREDNISONE | prednisone |
| PREDNISONE | Prednisone Intensol |
| PREDNISONE | Rayos |
| PREDNISONE | Sterapred |
| PREDNISONE | Sterapred DS |
| TRIAMCINOLONE | Aristocort |
| TRIAMCINOLONE | triamcinolone |
| Code Description | Code Type |

| Code | Description | Code Type | |
|------------------------------------|---|-----------|--|
| Pain Medications - Procedure Codes | | | |
| 82003 | Acetaminophen | CPT-4 | |
| 84033 | Phenylbutazone | CPT-4 | |
| C9283 | Injection, acetaminophen, 10 mg | HCPCS | |
| J0131 | Injection, acetaminophen, 10 mg | HCPCS | |
| C9279 | Injection, ibuprofen, 100 mg | HCPCS | |
| J1741 | Injection, ibuprofen, 100 mg | HCPCS | |
| J0730 | Injection, chlorpheniramine maleate, per 10 mg | HCPCS | |
| J1130 | Injection, diclofenac sodium, 0.5 mg | HCPCS | |
| J1590 | Injection, gatifloxacin, 10 mg | HCPCS | |
| S0085 | Injection, gatifloxacin, 200 mg | HCPCS | |
| C9447 | Injection, phenylephrine and ketorolac, 4 ml vial | HCPCS | |
| J1885 | Injection, ketorolac tromethamine, per 15 mg | HCPCS | |
| C9447 | Injection, phenylephrine and ketorolac, 4 ml vial | HCPCS | |
| J2370 | Injection, phenylephrine HCl, up to 1 ml | HCPCS | |
| J2795 | Injection, ropivacaine HCl, 1 mg | HCPCS | |
| J3030 | Injection, sumatriptan succinate, 6 mg (code may be used fo when drug administered under the direct supervision of a ph not for use when drug is self-administered) | | |

| Generic Name | Brand Name | |
|-------------------------------|----------------------|--|
| Pain Medications - Drug Names | | |
| ACETAMINOPHEN | 8 Hour Pain Reliever | |
| ACETAMINOPHEN | 8HR Muscle Ache-Pain | |
| ACETAMINOPHEN | Acephen | |
| ACETAMINOPHEN | Aceta | |
| ACETAMINOPHEN | AcetaDrink | |
| | | |



| Generic Name | Brand Name |
|---------------|--------------------------------|
| ACETAMINOPHEN | acetaminophen |
| ACETAMINOPHEN | acetaminophen (bulk) |
| ACETAMINOPHEN | Acetaminophen Extra Strength |
| ACETAMINOPHEN | Acetaminophen Infant |
| ACETAMINOPHEN | Acetaminophen Jr |
| ACETAMINOPHEN | Acetaminophen Non Aspirin |
| ACETAMINOPHEN | Acetaminophen Pain Relief |
| ACETAMINOPHEN | Actamin Maximum Strength |
| ACETAMINOPHEN | Albatemp |
| ACETAMINOPHEN | Alba-Temp 300 |
| ACETAMINOPHEN | Anacin A.F. |
| ACETAMINOPHEN | Apapedyn |
| ACETAMINOPHEN | Aphen |
| ACETAMINOPHEN | Apra |
| ACETAMINOPHEN | Arthritis Pain Relief (acetam) |
| ACETAMINOPHEN | Arthritis Pain Reliever |
| ACETAMINOPHEN | Aspirin Free |
| ACETAMINOPHEN | Aspirin Free Childs |
| ACETAMINOPHEN | Aspirin Free Extra Strength |
| ACETAMINOPHEN | Aspirin-Free Infant |
| ACETAMINOPHEN | Aspirin-Free Relief |
| ACETAMINOPHEN | Athenol |
| ACETAMINOPHEN | BetaTemp |
| ACETAMINOPHEN | Child APAP |
| ACETAMINOPHEN | Child Non-Aspirin |
| ACETAMINOPHEN | Child Non-Aspirin Pain Relief |
| ACETAMINOPHEN | Child Non-Aspirin Quick Melts |
| ACETAMINOPHEN | Child Pain Rel-Fever Reducer |
| ACETAMINOPHEN | Child Pain Relief |
| ACETAMINOPHEN | Child Pain Relief F |
| ACETAMINOPHEN | Child Pain Reliever No Aspirin |
| ACETAMINOPHEN | Children's Acetaminophen |
| ACETAMINOPHEN | Children's Aspirin Free |
| ACETAMINOPHEN | Children's Easy-Melts |
| ACETAMINOPHEN | Children's Fever Reducing |
| ACETAMINOPHEN | Children's Mapap |
| ACETAMINOPHEN | Children's Medi-Tabs |
| ACETAMINOPHEN | Children's Non-Aspirin |



| Generic Name | Brand Name |
|---------------|--------------------------------|
| ACETAMINOPHEN | Children's Non-Aspirin Pain |
| ACETAMINOPHEN | Children's Pain Relief |
| ACETAMINOPHEN | Children's Pain Reliever |
| ACETAMINOPHEN | Children's Pain-Fever Relief |
| ACETAMINOPHEN | Children's Q-PAP |
| ACETAMINOPHEN | Children's Relief |
| ACETAMINOPHEN | Children's Silapap |
| ACETAMINOPHEN | Children's Tactinal |
| ACETAMINOPHEN | Children's Triaminic Fever |
| ACETAMINOPHEN | Children's Tylenol |
| ACETAMINOPHEN | Children's Tylenol Meltaways |
| ACETAMINOPHEN | Child's Accudial Acetaminophen |
| ACETAMINOPHEN | Childs Aspirin Free |
| ACETAMINOPHEN | Child's Pain Relief |
| ACETAMINOPHEN | Childs Pain Reliever |
| ACETAMINOPHEN | Dolono |
| ACETAMINOPHEN | Dolono Infants |
| ACETAMINOPHEN | Ed-APAP |
| ACETAMINOPHEN | ElixSure Fever-Pain |
| ACETAMINOPHEN | Ex-Prin |
| ACETAMINOPHEN | Ex-Prin Child |
| ACETAMINOPHEN | Ex-Prin Extra Strength |
| CETAMINOPHEN | Ex-Prin for Children |
| ACETAMINOPHEN | Ex-Prin Infant |
| ACETAMINOPHEN | Ex-Prin Junior Strength |
| ACETAMINOPHEN | Ex-Strength Medi-Tabs |
| ACETAMINOPHEN | Extended Pain Relief |
| ACETAMINOPHEN | Extra Strength Pain Relief |
| ACETAMINOPHEN | Febrol |
| ACETAMINOPHEN | Fever Reducer |
| ACETAMINOPHEN | Fever Reducer an Pain Reliever |
| ACETAMINOPHEN | Feverall |
| ACETAMINOPHEN | Feverall Infants |
| ACETAMINOPHEN | Feverall Junior Strength |
| ACETAMINOPHEN | Feverall Sprinkle Caps Child |
| ACETAMINOPHEN | Feverall Sprinkle Caps Jr Str |
| ACETAMINOPHEN | Genapap |
| ACETAMINOPHEN | Genapap Childrens |



| Generic Name | Brand Name |
|--------------|--------------------------------|
| CETAMINOPHEN | Genapap Extra Strength |
| CETAMINOPHEN | Genebs |
| CETAMINOPHEN | Infant Acetaminophen |
| CETAMINOPHEN | Infant Fever Reducer-Pain Relf |
| CETAMINOPHEN | Infant Non Aspirin Pain Relief |
| CETAMINOPHEN | Infant Pain Reliever |
| CETAMINOPHEN | Infantaire |
| CETAMINOPHEN | Infant's Acetaminophen |
| CETAMINOPHEN | Infants Aspirin Free |
| CETAMINOPHEN | Infants Concentrated |
| CETAMINOPHEN | Infants Mapap |
| CETAMINOPHEN | Infant's Non-Aspirin |
| CETAMINOPHEN | Infants' Pain and Fever |
| CETAMINOPHEN | Infants' Pain Relief |
| CETAMINOPHEN | Infant's Pain Reliever |
| CETAMINOPHEN | Infants Silapap |
| CETAMINOPHEN | Infants' Triaminic Fever |
| CETAMINOPHEN | Infant's Tylenol |
| CETAMINOPHEN | Jr Str Non-Aspirin Quick Melts |
| CETAMINOPHEN | Jr. Acetaminophen |
| CETAMINOPHEN | Jr. Str Non-Aspirin Pain |
| CETAMINOPHEN | Jr. Strength Pain Reliever |
| CETAMINOPHEN | Jr. Tylenol Meltaways |
| CETAMINOPHEN | Junior Mapap |
| CETAMINOPHEN | Komaphen |
| CETAMINOPHEN | Kosher Care Liquid |
| CETAMINOPHEN | Liquiprin |
| CETAMINOPHEN | Little Fevers |
| CETAMINOPHEN | Little Remedies Fever and Pair |
| CETAMINOPHEN | Mapap (acetaminophen) |
| CETAMINOPHEN | Mapap Arthritis Pain |
| CETAMINOPHEN | Mapap Children's |
| CETAMINOPHEN | Mapap Extra Strength |
| CETAMINOPHEN | Mapap Infants' |
| CETAMINOPHEN | Mapap Junior Strength |
| CETAMINOPHEN | Masophen |
| CETAMINOPHEN | Maxapap Maximum Strength |
| CETAMINOPHEN | Maxapap Regular Strength |



| Generic Name | Brand Name |
|---------------|--------------------------------|
| ACETAMINOPHEN | Medi-Tabs |
| ACETAMINOPHEN | Medi-Tabs Pain Reliever |
| ACETAMINOPHEN | Non Aspirin Extended Release |
| ACETAMINOPHEN | Non-Aspirin |
| ACETAMINOPHEN | NON-ASPIRIN 8 HOUR |
| ACETAMINOPHEN | Non-Aspirin Child |
| ACETAMINOPHEN | Non-Aspirin Childrens |
| ACETAMINOPHEN | Non-Aspirin Children's |
| CETAMINOPHEN | Non-Aspirin Extra Strength |
| CETAMINOPHEN | Non-Aspirin Infant |
| CETAMINOPHEN | Non-Aspirin Infant Pain Relief |
| CETAMINOPHEN | Non-Aspirin Infants |
| CETAMINOPHEN | Non-Aspirin Jr Strength |
| CETAMINOPHEN | Non-Aspirin Pain Relief |
| CETAMINOPHEN | Non-Aspirin Pain Relief Ex Str |
| CETAMINOPHEN | Non-Aspirin Pain Reliever |
| CETAMINOPHEN | Nortemp |
| CETAMINOPHEN | Ofirmev |
| CETAMINOPHEN | Pain and Fever |
| CETAMINOPHEN | Pain Relief |
| CETAMINOPHEN | Pain Relief 8HR |
| CETAMINOPHEN | Pain Relief Adult |
| CETAMINOPHEN | Pain Relief Cool Ice |
| CETAMINOPHEN | Pain Relief Extra Strength |
| CETAMINOPHEN | Pain Relief Infant Drops |
| CETAMINOPHEN | Pain Relief Junior Strength |
| CETAMINOPHEN | Pain Relief Regular Strength |
| CETAMINOPHEN | Pain Relief without Aspirin |
| CETAMINOPHEN | Pain Reliever |
| CETAMINOPHEN | Pain Reliever Child |
| CETAMINOPHEN | Pain Reliever Extra Strength |
| CETAMINOPHEN | Pain Reliever Jr Strength |
| CETAMINOPHEN | Pain Reliever Non-Aspirin |
| CETAMINOPHEN | Pain Reliever w/o Aspirin |
| CETAMINOPHEN | Pain Reliever W/Out Aspirin |
| CETAMINOPHEN | Pain Reliever without Aspirin |
| CETAMINOPHEN | Pain Relieving (acetaminophen) |
| CETAMINOPHEN | Pain-Eze + |
| CETAMINOPHEN | Panadol Children's |



| Generic Name | Brand Name |
|------------------|--------------------------------|
| ACETAMINOPHEN | Panadol Extra Strength |
| ACETAMINOPHEN | Panadol Maximum Strength |
| ACETAMINOPHEN | Paramol |
| ACETAMINOPHEN | PediaCare Fever Reducer |
| ACETAMINOPHEN | Pharbetol |
| ACETAMINOPHEN | Pyregesic |
| ACETAMINOPHEN | Q-Nol |
| ACETAMINOPHEN | Q-PAP |
| ACETAMINOPHEN | Q-PAP Extra Strength |
| ACETAMINOPHEN | Shake That Ache |
| ACETAMINOPHEN | Silapap |
| ACETAMINOPHEN | S-T Febrol |
| ACETAMINOPHEN | St. Joseph |
| ACETAMINOPHEN | St. Joseph Asa-Free Children's |
| ACETAMINOPHEN | St. Joseph Aspirin-Free Adult |
| ACETAMINOPHEN | St. Joseph Fever Reducer |
| ACETAMINOPHEN | Stanback AF |
| ACETAMINOPHEN | Tactinal |
| ACETAMINOPHEN | Tactinal Extra Strength |
| ACETAMINOPHEN | T-Painol |
| ACETAMINOPHEN | T-Painol Extra Strength |
| ACETAMINOPHEN | Triaminic Fever Reducer |
| ACETAMINOPHEN | Tylenol |
| ACETAMINOPHEN | Tylenol 8 Hour |
| ACETAMINOPHEN | Tylenol Arthritis |
| ACETAMINOPHEN | Tylenol Arthritis Pain |
| ACETAMINOPHEN | Tylenol Children's |
| ACETAMINOPHEN | Tylenol Ex Str Arthritis Pain |
| ACETAMINOPHEN | Tylenol Ex Str Rapid Release |
| ACETAMINOPHEN | Tylenol Extra Strength |
| ACETAMINOPHEN | Tylenol For Children |
| ACETAMINOPHEN | Tylenol Junior |
| ACETAMINOPHEN | Tylenol Sore Throat |
| ACETAMINOPHEN | Tylophen |
| ACETAMINOPHEN | Un-Aspirin |
| ACETAMINOPHEN | Yacemol Extra Strength |
| BROMFENAC SODIUM | Bromday |
| BROMFENAC SODIUM | Bromday TwinPack |
| BROMFENAC SODIUM | bromfenac |



| BROMFENAC SODIUM bromfenac sodium (bulk) BROMFENAC SODIUM BromSite BROMFENAC SODIUM Prolensa BROMFENAC SODIUM XIBROM CELECOXIB Celebrex CELECOXIB Celebrex CELECOXIB celecoxib CELECOXIB celecoxib CELECOXIB celecoxib CELECOXIB/CAPSAICIN/MENTHOL CapXib CELECOXIB/CAPSAICIN/MENTHOL LidoXib CHLORPHENIRAMINE MALEATE/PENDEPHEDRINE HCL/IBUPROFEN Advil Allergy Sinus CHLORPHENIRAMINE MALEATE/PSEUDOEPHEDRINE HCL/IBUPROFEN Advil Allergy Sinus CHLORPHENIRAMINE MALEATE/PSEUDOEPHEDRINE HCL/IBUPROFEN Advil Allergy Sinus DICLOFENAC EPOLASIUM Catafiam DICLOFENAC POTASSIUM Catafiam DICLOFENAC POTASSIUM Zipsor DICLOFENAC SODIUM Diclo Gel DICLOFENAC SODIUM Dicloreac sodium DICL | Generic Name | Brand Name |
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| BROMFENAC SODIUMProlensaBROMFENAC SODIUMXIBROMCELECOXIBCelebrexCELECOXIBCelecoxibCELECOXIBcelecoxib (bulk)CELECOXIBcelecoxib (bulk)CELECOXIB/CAPSAICIN/MENTHOLCapxibCELECOXIB/CAPSAICIN/MENTHOLCapxibCHLORPHENIRAMINE MALEATE/PHENYLEPHRINE HCL/IBUPROFENAdvil Allergy-Congestion RIFCHLORPHENIRAMINE MALEATE/PSEUDDEPHEDRINE HCL/IBUPROFENAdvil Multi-Symptom ColdCHLORPHENIRAMINE MALEATE/PSEUDDEPHEDRINE HCL/IBUPROFENChildren's Advil Allergy SinusCHLORPHENIRAMINE MALEATE/PSEUDDEPHEDRINE HCL/IBUPROFENChildren's Advil Allergy SinusCHLORPHENIRAMINE MALEATE/PSEUDDEPHEDRINE HCL/IBUPROFENChildren's Advil Allergy SinusCHLORPHENIRAMINE MALEATE/PSEUDDEPHEDRINE HCL/IBUPROFENChildren's Advil Allergy SinusDICLOFENAC POTASSIUMCambiaDICLOFENAC POTASSIUMCatafiamDICLOFENAC POTASSIUMCiclofenac potassiumDICLOFENAC SODIUMCiclofenac sodiumDICLOFENAC SODIUMDiclo GelDICLOFENAC SODIUMDiclogenDICLOFENAC SODIUMDiclogenDICLOFENAC SODIUMVoltarenDICLOFENAC SODIUMVoltarenDICLOFENAC SODIUMVoltarenDICLOFENAC SODIUMVoltarenDICLOFENAC SODIUMVoltarenDICLOFENAC SODIUMVoltarenDICLOFENAC SODIUMVoltarenDICLOFENAC SODIUMVOltarenDICLOFENAC SODIUMVOltarenDICLOFENAC SODIUM/CAPSAICINNUDICI SOLIPAKDICLOFENAC SODIUM/CAPSAICIN | BROMFENAC SODIUM | bromfenac sodium (bulk) |
| BROMFENAC SODIUMXIBROMCELECOXIBCelebraCELECOXIBcelecoxibCELECOXIBcelecoxibCELECOXIBcelecoxibCELECOXIB/LOCAINE/MENTHOLCapXibCELECOXIB/LOCAINE/MENTHOLCapXibCELECOXIB/LOCAINE/MENTHOLLidoXibCHLORPHENIRAMINE MALEATE/PENDOPEPHEDRINE HCL/IBUPROFENAdvil Allergy-Congestion RIFCHLORPHENIRAMINE MALEATE/PSEUDOPEPHEDRINE HCL/IBUPROFENAdvil Allergy SinusCHLORPHENIRAMINE MALEATE/PSEUDOPEPHEDRINE HCL/IBUPROFENAdvil Allergy SinusCHLORPHENIRAMINE MALEATE/PSEUDOPEPHEDRINE HCL/IBUPROFENChildren's Advil Allergy SinusDICLOFENAC EPOLAMINEFlectorDICLOFENAC POTASSIUMCambiaDICLOFENAC POTASSIUMCarbiaDICLOFENAC POTASSIUMdiclofenac potassiumDICLOFENAC SODIUMdiclofenac sodiumDICLOFENAC SODIUMdiclofenac sodiumDICLOFENAC SODIUMDiclo GelDICLOFENAC SODIUMDiclorenac sodiumDICLOFENAC SODIUMDiclorenac sodiumDICLOFENAC SODIUMVoltarenDICLOFENAC SODIUMVoltarenDICLOFENAC SODIUMVoltarenDICLOFENAC SODIUMVoltarenDICLOFENAC SODIUMVoltarenDICLOFENAC SODIUMVoltarenDICLOFENAC SODIUMVoltarenDICLOFENAC SODIUMVoltarenDICLOFENAC SODIUMVoltarenDICLOFENAC SODIUMVOLTANEDICLOFENAC SODIUMVOLTANEDICLOFENAC SODIUM/CAPSACINNUBICIOSINDICLOFENAC SODIUM/CAPSACIN OLEORESINVOL | BROMFENAC SODIUM | BromSite |
| CELECOXIB Celebrex CELECOXIB celecoxib CELECOXIB celecoxib CELECOXIB/CAPSAICIN/MENTHOL CapXib CELECOXIB/LDOCAINE/MENTHOL LidoXib CHLORPHENIRAMINE MALEATE/PHENYLEPHRINE HCL/IBUPROFEN Advil Allergy Congestion Rlf CHLORPHENIRAMINE MALEATE/PSEUDOEPHEDRINE HCL/IBUPROFEN Advil Allergy Sinus CHLORPHENIRAMINE MALEATE/PSEUDOEPHEDRINE HCL/IBUPROFEN Advil Allergy Sinus CHLORPHENIRAMINE MALEATE/PSEUDOEPHEDRINE HCL/IBUPROFEN Chidren's Advil Allergy Sinus DICLOFENAC POTASSIUM Carafiam DICLOFENAC POTASSIUM Catafiam DICLOFENAC POTASSIUM Catafiam DICLOFENAC POTASSIUM Calofena potassium DICLOFENAC SODIUM Diclo Gel DICLOFENAC SODIUM Diclo Gel DICLOFENAC SODIUM Diclofena codium (bulk) DICLOFENAC SODIUM Voltaren DICLOFENAC SODIUM Voltaren DICLOFENAC SODIUM Voltaren < | BROMFENAC SODIUM | Prolensa |
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| DICLOFENAC SODIUMVoltarenDICLOFENAC SODIUMVoltaren-XRDICLOFENAC SODIUMVopac MDSDICLOFENAC SODIUM, MICRONIZEDdiclofenac sod, micro (bulk)DICLOFENAC SODIUM/BENZALKONIUM CHLORIDEDS Prep PakDICLOFENAC SODIUM/CAPSAICINNuDiclo SoluPAKDICLOFENAC SODIUM/CAPSAICINNuDiclo SoluPAKDICLOFENAC SODIUM/CAPSAICINDermacinRx LexitralDICLOFENAC SODIUM/CAPSICUM OLEORESINDermacinRx LexitralDICLOFENAC SODIUM/CAPSICUM OLEORESINDiclotralDICLOFENAC SODIUM/CAPSICUM OLEORESINDiclotralDICLOFENAC SODIUM/CAPSICUM OLEORESINPrevidolRx Plus Analgesic PakDICLOFENAC SODIUM/CAPSICUM OLEORESINSure Result DSS Premium Pack | DICLOFENAC SODIUM | Pennsaid |
| DICLOFENAC SODIUMVoltaren-XRDICLOFENAC SODIUMVopac MDSDICLOFENAC SODIUM, MICRONIZEDdiclofenac sod, micro (bulk)DICLOFENAC SODIUM/BENZALKONIUM CHLORIDEDS Prep PakDICLOFENAC SODIUM/CAPSAICINNuDiclo SoluPAKDICLOFENAC SODIUM/CAPSAICINNuDiclo TabPAKDICLOFENAC SODIUM/CAPSICUM OLEORESINDermacinRx LexitralDICLOFENAC SODIUM/CAPSICUM OLEORESINDermasilkRx DicloPakDICLOFENAC SODIUM/CAPSICUM OLEORESINDiclotralDICLOFENAC SODIUM/CAPSICUM OLEORESINPiclotralDICLOFENAC SODIUM/CAPSICUM OLEORESINSinter and service and | DICLOFENAC SODIUM | Solaraze |
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| DICLOFENAC SODIUM, MICRONIZEDdiclofenac sod, micro (bulk)DICLOFENAC SODIUM/BENZALKONIUM CHLORIDEDS Prep PakDICLOFENAC SODIUM/CAPSAICINNuDiclo SoluPAKDICLOFENAC SODIUM/CAPSAICINNuDiclo TabPAKDICLOFENAC SODIUM/CAPSICUM OLEORESINDermacinRx LexitralDICLOFENAC SODIUM/CAPSICUM OLEORESINDermasilkRx DicloPakDICLOFENAC SODIUM/CAPSICUM OLEORESINDiclotralDICLOFENAC SODIUM/CAPSICUM OLEORESINDiclotralDICLOFENAC SODIUM/CAPSICUM OLEORESINPrevidolRx Plus Analgesic PakDICLOFENAC SODIUM/CAPSICUM OLEORESINSure Result DSS Premium Pack | DICLOFENAC SODIUM | Voltaren-XR |
| DICLOFENAC SODIUM/BENZALKONIUM CHLORIDEDS Prep PakDICLOFENAC SODIUM/CAPSAICINNuDiclo SoluPAKDICLOFENAC SODIUM/CAPSAICINNuDiclo TabPAKDICLOFENAC SODIUM/CAPSICUM OLEORESINDermacinRx LexitralDICLOFENAC SODIUM/CAPSICUM OLEORESINDermaSilkRx DicloPakDICLOFENAC SODIUM/CAPSICUM OLEORESINDiclotralDICLOFENAC SODIUM/CAPSICUM OLEORESINInflammacinDICLOFENAC SODIUM/CAPSICUM OLEORESINPrevidolRx Plus Analgesic PakDICLOFENAC SODIUM/CAPSICUM OLEORESINSure Result DSS Premium Pack | DICLOFENAC SODIUM | Vopac MDS |
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| DICLOFENAC SODIUM/CAPSAICINNuDiclo TabPAKDICLOFENAC SODIUM/CAPSICUM OLEORESINDermacinRx LexitralDICLOFENAC SODIUM/CAPSICUM OLEORESINDermaSilkRx DicloPakDICLOFENAC SODIUM/CAPSICUM OLEORESINDiclotralDICLOFENAC SODIUM/CAPSICUM OLEORESINInflammacinDICLOFENAC SODIUM/CAPSICUM OLEORESINPrevidolRx Plus Analgesic PakDICLOFENAC SODIUM/CAPSICUM OLEORESINSure Result DSS Premium Pack | DICLOFENAC SODIUM/BENZALKONIUM CHLORIDE | DS Prep Pak |
| DICLOFENAC SODIUM/CAPSICUM OLEORESINDermacinRx LexitralDICLOFENAC SODIUM/CAPSICUM OLEORESINDermaSilkRx DicloPakDICLOFENAC SODIUM/CAPSICUM OLEORESINDiclotralDICLOFENAC SODIUM/CAPSICUM OLEORESINInflammacinDICLOFENAC SODIUM/CAPSICUM OLEORESINPrevidolRx Plus Analgesic PakDICLOFENAC SODIUM/CAPSICUM OLEORESINSure Result DSS Premium Pack | DICLOFENAC SODIUM/CAPSAICIN | NuDiclo SoluPAK |
| DICLOFENAC SODIUM/CAPSICUM OLEORESINDermaSilkRx DicloPakDICLOFENAC SODIUM/CAPSICUM OLEORESINDiclotralDICLOFENAC SODIUM/CAPSICUM OLEORESINInflammacinDICLOFENAC SODIUM/CAPSICUM OLEORESINPrevidolRx Plus Analgesic PakDICLOFENAC SODIUM/CAPSICUM OLEORESINSure Result DSS Premium Pack | DICLOFENAC SODIUM/CAPSAICIN | NuDiclo TabPAK |
| DICLOFENAC SODIUM/CAPSICUM OLEORESINDermaSilkRx DicloPakDICLOFENAC SODIUM/CAPSICUM OLEORESINDiclotralDICLOFENAC SODIUM/CAPSICUM OLEORESINInflammacinDICLOFENAC SODIUM/CAPSICUM OLEORESINPrevidolRx Plus Analgesic PakDICLOFENAC SODIUM/CAPSICUM OLEORESINSure Result DSS Premium Pack | DICLOFENAC SODIUM/CAPSICUM OLEORESIN | DermacinRx Lexitral |
| DICLOFENAC SODIUM/CAPSICUM OLEORESINDiclotralDICLOFENAC SODIUM/CAPSICUM OLEORESINInflammacinDICLOFENAC SODIUM/CAPSICUM OLEORESINPrevidolRx Plus Analgesic PakDICLOFENAC SODIUM/CAPSICUM OLEORESINSure Result DSS Premium Pack | | |
| DICLOFENAC SODIUM/CAPSICUM OLEORESINInflammacinDICLOFENAC SODIUM/CAPSICUM OLEORESINPrevidolRx Plus Analgesic PakDICLOFENAC SODIUM/CAPSICUM OLEORESINSure Result DSS Premium Pack | | |
| DICLOFENAC SODIUM/CAPSICUM OLEORESINPrevidolRx Plus Analgesic PakDICLOFENAC SODIUM/CAPSICUM OLEORESINSure Result DSS Premium Pack | | |
| DICLOFENAC SODIUM/CAPSICUM OLEORESIN Sure Result DSS Premium Pack | | |
| | | _ |
| | DICLOFENAC SODIUM/CAPSICUM OLEORESIN | Xelitral |



| Generic Name | Brand Name |
|---|-------------------------------------|
| DICLOFENAC SODIUM/CAPSICUM OLEORESIN | Xenaflamm |
| DICLOFENAC SODIUM/KINESIOLOGY TAPE | Diclo Gel-Xrylix Sheet |
| DICLOFENAC SODIUM/KINESIOLOGY TAPE | Lexixryl |
| DICLOFENAC SODIUM/KINESIOLOGY TAPE | Xrylix |
| DICLOFENAC SODIUM/METHYL SALICYLATE/MENTHOL | DicloPR |
| DICLOFENAC SODIUM/METHYL SALICYLATE/MENTHOL/CAMPHOR | Inflamma-K |
| DICLOFENAC SODIUM/MISOPROSTOL | Arthrotec 50 |
| DICLOFENAC SODIUM/MISOPROSTOL | Arthrotec 75 |
| DICLOFENAC SODIUM/MISOPROSTOL | diclofenac-misoprostol |
| DICLOFENAC SUBMICRONIZED | Zorvolex |
| ETODOLAC | etodolac |
| ETODOLAC | etodolac (bulk) |
| ETODOLAC | Lodine |
| ETODOLAC | Lodine XL |
| FENOPROFEN CALCIUM | fenoprofen |
| FENOPROFEN CALCIUM | Fenortho |
| FENOPROFEN CALCIUM | Nalfon |
| FENOPROFEN CALCIUM | ProFeno |
| FENOPROFEN CALCIUM, DIHYDRATE | fenoprofen calcium dihyd(bulk) |
| FLURBIPROFEN | Ansaid |
| FLURBIPROFEN | flurbiprofen |
| FLURBIPROFEN SODIUM | flurbiprofen sodium |
| FLURBIPROFEN SODIUM | Ocufen |
| GATIFLOXACIN/PREDNISOLONE ACETATE/NEPAFENAC | gatifloxacin-prednisol-nepafen |
| HYDROCODONE/IBUPROFEN | hydrocodone-ibuprofen |
| HYDROCODONE/IBUPROFEN | Ibudone |
| HYDROCODONE/IBUPROFEN | Reprexain |
| HYDROCODONE/IBUPROFEN | Vicoprofen |
| HYDROCODONE/IBUPROFEN | Xylon 10 |
| IBUPROFEN | Advanced Pain Relief |
| IBUPROFEN | Advil |
| IBUPROFEN | Advil Liqui-Gel |
| IBUPROFEN | Advil Migraine |
| IBUPROFEN | A-G Profen |
| IBUPROFEN | Bupranol FP |
| IBUPROFEN | Caldolor Con Profes |
| | Cap-Profen Child Ibuprofen |
| | Child Ibuprofen Children's Advil |
| | Children's Ibu-Drops |
| | - |
| | Children's Ibuprofen |
| IBUPROFEN | Children's Medi-Profen |



| Generic Name | Brand Name |
|---------------------|-------------------------------|
| IBUPROFEN | Children's Motrin |
| IBUPROFEN | Children's Motrin Jr Strength |
| IBUPROFEN | Children's Profen IB |
| IBUPROFEN | Childs Ibuprofen |
| IBUPROFEN | ElixSure IB Suspension |
| IBUPROFEN | Genpril |
| IBUPROFEN | IBU-200 |
| IBUPROFEN | lbu-Drops |
| IBUPROFEN | Ibupain-200 |
| IBUPROFEN | Ibuprin |
| IBUPROFEN | ibuprofen |
| IBUPROFEN | ibuprofen (bulk) |
| IBUPROFEN | Ibuprofen IB |
| IBUPROFEN | Ibuprofen Jr Strength |
| IBUPROFEN | lbuprofen M |
| IBUPROFEN | Ibutab |
| IBUPROFEN | IBU-Tab |
| IBUPROFEN | Infant's Advil |
| IBUPROFEN | Infants Ibu-Drops |
| IBUPROFEN | Infant's Ibuprofen |
| IBUPROFEN | Infant's Medi-Profen |
| IBUPROFEN | Infant's Motrin |
| IBUPROFEN | Infants ProfenIB |
| IBUPROFEN | I-Prin |
| IBUPROFEN | Medi-Profen |
| IBUPROFEN | Menadol |
| IBUPROFEN | Midol Max St Cramp Formula |
| IBUPROFEN | Motrin |
| IBUPROFEN | Motrin IB |
| IBUPROFEN | Motrin Junior Strength |
| IBUPROFEN | Motrin Migraine |
| IBUPROFEN | Nuprin |
| IBUPROFEN | Nuprin Menstrual Relief |
| IBUPROFEN | PediaCare Fever |
| IBUPROFEN | Profen IB |
| IBUPROFEN | Provil |
| IBUPROFEN | Q-Profen |
| IBUPROFEN | Tab-Profen |
| IBUPROFEN | Uni-Pro |
| IBUPROFEN | Wal-Profen |
| | Yaprofen |
| IBUPROFEN LYSINE/PF | ibuprofen lysine (PF) |



| Generic Name | Brand Name |
|--|-----------------------------------|
| IBUPROFEN LYSINE/PF | NeoProfen (ibuprofen lysn)(PF) |
| IBUPROFEN/CAFFEINE/VITAMINS B1, B2, B6, & B12 | IC400 |
| IBUPROFEN/CAFFEINE/VITAMINS B1, B2, B6, & B12 | IC800 |
| IBUPROFEN/DIETARY SUPPLEMENT, MISC. CB.11 | Theraprofen-60 |
| IBUPROFEN/DIETARY SUPPLEMENT, MISC. CB.11 | Theraprofen-90 |
| IBUPROFEN/DIPHENHYDRAMINE CITRATE | Advil PM |
| IBUPROFEN/DIPHENHYDRAMINE CITRATE | Ibuprofen PM |
| IBUPROFEN/DIPHENHYDRAMINE CITRATE | ibuprofen-diphenhydramine citrate |
| IBUPROFEN/DIPHENHYDRAMINE CITRATE | Motrin PM |
| IBUPROFEN/DIPHENHYDRAMINE HCL | Advil PM Liqui-Gels |
| IBUPROFEN/DIPHENHYDRAMINE HCL | Ibuprofen PM |
| IBUPROFEN/DIPHENHYDRAMINE HCL | ibuprofen-diphenhydramine HCl |
| IBUPROFEN/FAMOTIDINE | Duexis |
| IBUPROFEN/IRRITANTS COUNTER-IRRITANTS COMBINATION NO.2 | Comfort Pac-Ibuprofen |
| IBUPROFEN/OXYCODONE HCL | Combunox |
| IBUPROFEN/OXYCODONE HCL | ibuprofen-oxycodone |
| IBUPROFEN/PHENYLEPHRINE HCL | Advil Congestion Relief |
| IBUPROFEN/PHENYLEPHRINE HCL | Congestion Relief (ibuprof-PE) |
| IBUPROFEN/PSEUDOEPHEDRINE HCL | Advil Cold and Sinus |
| IBUPROFEN/PSEUDOEPHEDRINE HCL | Advil Flu and Body Ache |
| IBUPROFEN/PSEUDOEPHEDRINE HCL | Children's Advil Cold |
| IBUPROFEN/PSEUDOEPHEDRINE HCL | Children's Dimetapp Cold, Fever |
| IBUPROFEN/PSEUDOEPHEDRINE HCL | Children's Ibuprofen Cold |
| IBUPROFEN/PSEUDOEPHEDRINE HCL | Children's Motrin Cold |
| IBUPROFEN/PSEUDOEPHEDRINE HCL | Cold and Sinus Pain Relief |
| IBUPROFEN/PSEUDOEPHEDRINE HCL | Cold-Sinus Relief |
| IBUPROFEN/PSEUDOEPHEDRINE HCL | DayQuil Sinus Pressure/Pain |
| IBUPROFEN/PSEUDOEPHEDRINE HCL | Dristan Sinus |
| IBUPROFEN/PSEUDOEPHEDRINE HCL | Ibup Sinus |
| IBUPROFEN/PSEUDOEPHEDRINE HCL | Ibuprofen Cold |
| IBUPROFEN/PSEUDOEPHEDRINE HCL | Ibuprofen Cold-Sinus(with PSE) |
| IBUPROFEN/PSEUDOEPHEDRINE HCL | Iprin Cold and Sinus |
| IBUPROFEN/PSEUDOEPHEDRINE HCL | Medi-Profen |
| IBUPROFEN/PSEUDOEPHEDRINE HCL | Motrin Cold |
| IBUPROFEN/PSEUDOEPHEDRINE HCL | Motrin Cold and Sinus |
| IBUPROFEN/PSEUDOEPHEDRINE HCL | Motrin IB Sinus |
| IBUPROFEN/PSEUDOEPHEDRINE HCL | Nuprin Cold Relief |
| IBUPROFEN/PSEUDOEPHEDRINE HCL | Nuprin Flu Relief |
| | Profen IB Cold And Sinus |
| | pseudoephedrine-ibuprofen |
| IBUPROFEN/PSEUDOEPHEDRINE HCL | Vicks DayQuil (pseudoeph-ibup) |



| Generic Name | Brand Name |
|--|-------------------------------|
| IBUPROFEN/PSEUDOEPHEDRINE HCL | Wal-Profen Cold-Sinus |
| IBUPROFEN/PSEUDOEPHEDRINE HCL | Wal-Profen D Cold and Sinus |
| NDOMETHACIN | Indocin |
| NDOMETHACIN | Indocin SR |
| NDOMETHACIN | indomethacin |
| NDOMETHACIN SODIUM | Indocin |
| NDOMETHACIN SODIUM | indomethacin sodium |
| NDOMETHACIN, SUBMICRONIZED | Tivorbex |
| KETOPROFEN | Actron |
| KETOPROFEN | ketoprofen |
| KETOPROFEN | Orudis |
| KETOPROFEN | Orudis KT |
| (ETOPROFEN | Oruvail |
| ETOPROFEN, MICRONIZED | Frotek |
| ETOPROFEN, MICRONIZED | ketoprofen, micronized (bulk) |
| ETOROLAC TROMETHAMINE | Acular |
| ETOROLAC TROMETHAMINE | Acular LS |
| ETOROLAC TROMETHAMINE | Acular PF |
| ETOROLAC TROMETHAMINE | ketorolac |
| ETOROLAC TROMETHAMINE | ketorolac (bulk) |
| ETOROLAC TROMETHAMINE | ReadySharp ketorolac |
| ETOROLAC TROMETHAMINE | Sprix |
| ETOROLAC TROMETHAMINE | Toradol |
| ETOROLAC TROMETHAMINE/PF | Acuvail (PF) |
| ETOROLAC/NORFLURANE AND PENTAFLUOROPROPANE (HFC 245FA) | Toronova II SUIK |
| ETOROLAC/NORFLURANE AND PENTAFLUOROPROPANE (HFC 245FA) | Toronova SUIK |
| ANSOPRAZOLE/NAPROXEN | PREVACID NapraPAC |
| /IECLOFENAMATE SODIUM | meclofenamate |
| /IEFENAMIC ACID | mefenamic acid |
| /IEFENAMIC ACID | mefenamic acid (bulk) |
| /IEFENAMIC ACID | Ponstel |
| /IELOXICAM | meloxicam |
| MELOXICAM | meloxicam (bulk) |
| MELOXICAM | Mobic |
| MELOXICAM, SUBMICRONIZED | Vivlodex |
| MELOXICAM/IRRITANTS COUNTER-IRRITANTS COMBINATION NO.2 | Comfort Pac-Meloxicam |
| IABUMETONE | nabumetone |
| NABUMETONE | nabumetone (bulk) |
| NABUMETONE | Relafen |
| NABUMETONE, MICRONIZED | nabumetone, micronized (bulk) |
| NAPROXEN | EC-Naprosyn |
| NAPROXEN | Napro |



| Generic Name | Brand Name |
|---|--------------------------------|
| NAPROXEN | Naproderm |
| NAPROXEN | Naprosyn |
| NAPROXEN | naproxen |
| VAPROXEN | Romixen 500 |
| APROXEN SODIUM | Aleve |
| IAPROXEN SODIUM | All Day Pain Relief |
| IAPROXEN SODIUM | Anaprox |
| APROXEN SODIUM | Anaprox DS |
| IAPROXEN SODIUM | Flanax (naproxen) |
| IAPROXEN SODIUM | Mediproxen |
| IAPROXEN SODIUM | Midol (naproxen) |
| IAPROXEN SODIUM | Naprelan |
| IAPROXEN SODIUM | Naprelan CR |
| IAPROXEN SODIUM | Naprelan CR Dose Card |
| IAPROXEN SODIUM | naproxen sodium |
| NAPROXEN SODIUM | Wal-Proxen |
| NAPROXEN SODIUM/DIPHENHYDRAMINE HCL | Aleve PM |
| IAPROXEN SODIUM/MENTHOL | NaproPak Cool |
| IAPROXEN SODIUM/PSEUDOEPHEDRINE HCL | Aleve Cold and Sinus |
| IAPROXEN SODIUM/PSEUDOEPHEDRINE HCL | Aleve Sinus and Headache |
| IAPROXEN SODIUM/PSEUDOEPHEDRINE HCL | Aleve-D Sinus and Cold |
| IAPROXEN SODIUM/PSEUDOEPHEDRINE HCL | Aleve-D Sinus and Headache |
| IAPROXEN SODIUM/PSEUDOEPHEDRINE HCL | All Day Cold and Sinus |
| IAPROXEN SODIUM/PSEUDOEPHEDRINE HCL | All Day Pain Relief Sinus,Cold |
| APROXEN SODIUM/PSEUDOEPHEDRINE HCL | Cold and Sinus |
| IAPROXEN SODIUM/PSEUDOEPHEDRINE HCL | Cold-Sinus Relief |
| IAPROXEN SODIUM/PSEUDOEPHEDRINE HCL | Sinus and Cold-D |
| APROXEN SODIUM/PSEUDOEPHEDRINE HCL | Sudafed 12 Hr Pressure-Pain |
| IAPROXEN SODIUM/PSEUDOEPHEDRINE HCL | Sudafed 12 Hr Sinus-Pain |
| IAPROXEN/CAPSAICIN/MENTHOL | NaproPax |
| IAPROXEN/CAPSAICIN/MENTHOL | NaproxenPax |
| IAPROXEN/CAPSAICIN/MENTHOL/METHYL SALICYLATE | Pain Relief Collection |
| IAPROXEN/DIETARY SUPPLEMENT, MISC. CB.11 | Theraproxen |
| IAPROXEN/DIETARY SUPPLEMENT, MISC. CB.11 | Theraproxen-90 |
| IAPROXEN/ESOMEPRAZOLE MAGNESIUM | Vimovo |
| IAPROXEN/IRRITANT COUNTER-IRRITANT COMBINATION NO.2 | Comfort Pac-Naproxen |
| IEPAFENAC | llevro |
| IEPAFENAC | Nevanac |
| DXAPROZIN | Daypro |
| DXAPROZIN | oxaprozin |
| HENYLBUTAZONE | phenylbutazone (bulk) |



| Generic Name | Brand Name |
|---|--------------------------------|
| PHENYLEPHRINE HCL/KETOROLAC TROMETHAMINE | Omidria |
| PIROXICAM | Feldene |
| PIROXICAM | piroxicam |
| PIROXICAM | piroxicam (bulk) |
| PIROXICAM/DIETARY SUPPLEMENT, MISC. CB.11 | Therafeldamine |
| PREDNISOLONE ACETATE/NEPAFENAC | prednisolone acetate-nepafenac |
| ROFECOXIB | Vioxx |
| ROPIVACAINE HCL/EPINEPHRINE/CLONIDINE HCL/KETOROLAC TROMETH | ropivacaine-epi-clonid-ketorol |
| SULINDAC | Clinoril |
| SULINDAC | sulindac |
| SUMATRIPTAN SUCCINATE/NAPROXEN SODIUM | Treximet |
| SUPROFEN | Profenal |
| TOLMETIN SODIUM | Tolectin |
| TOLMETIN SODIUM | Tolectin DS |
| TOLMETIN SODIUM | tolmetin |
| VALDECOXIB | Bextra |



Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Health Care Characteristics of Interest in this Request

| Code | Description | Code Type |
|---------|--|-----------|
| | Pulmonary Arterial Hypertension | |
| 127.0 | Primary pulmonary hypertension | ICD-10-CM |
| 127.2 | Other secondary pulmonary hypertension | ICD-10-CM |
| 127.20 | Pulmonary hypertension, unspecified | ICD-10-CM |
| 127.21 | Secondary pulmonary arterial hypertension | ICD-10-CM |
| 127.22 | Pulmonary hypertension due to left heart disease | ICD-10-CM |
| 127.23 | Pulmonary hypertension due to lung diseases and hypoxia | ICD-10-CM |
| 127.24 | Chronic thromboembolic pulmonary hypertension | ICD-10-CM |
| 127.29 | Other secondary pulmonary hypertension | ICD-10-CM |
| 127.8 | Other specified pulmonary heart diseases | ICD-10-CM |
| 127.81 | Cor pulmonale (chronic) | ICD-10-CM |
| 127.82 | Chronic pulmonary embolism | ICD-10-CM |
| 127.83 | Eisenmenger's syndrome | ICD-10-CM |
| 127.89 | Other specified pulmonary heart diseases | ICD-10-CM |
| 127.9 | Pulmonary heart disease, unspecified | ICD-10-CM |
| | Interstitial Lung Disease | |
| J84 | Other interstitial pulmonary diseases | ICD-10-CM |
| J84.0 | Alveolar and parieto-alveolar conditions | ICD-10-CM |
| J84.01 | Alveolar proteinosis | ICD-10-CM |
| J84.02 | Pulmonary alveolar microlithiasis | ICD-10-CM |
| J84.03 | Idiopathic pulmonary hemosiderosis | ICD-10-CM |
| J84.09 | Other alveolar and parieto-alveolar conditions | ICD-10-CM |
| J84.1 | Other interstitial pulmonary diseases with fibrosis | ICD-10-CM |
| J84.10 | Pulmonary fibrosis, unspecified | ICD-10-CM |
| J84.11 | Idiopathic interstitial pneumonia | ICD-10-CM |
| J84.111 | Idiopathic interstitial pneumonia, not otherwise specified | ICD-10-CM |
| J84.112 | Idiopathic pulmonary fibrosis | ICD-10-CM |
| J84.113 | Idiopathic non-specific interstitial pneumonitis | ICD-10-CM |
| J84.114 | Acute interstitial pneumonitis | ICD-10-CM |
| J84.115 | Respiratory bronchiolitis interstitial lung disease | ICD-10-CM |
| J84.116 | Cryptogenic organizing pneumonia | ICD-10-CM |
| J84.117 | Desquamative interstitial pneumonia | ICD-10-CM |
| J84.17 | Other interstitial pulmonary diseases with fibrosis in diseases classified elsewhere | ICD-10-CM |
| J84.2 | Lymphoid interstitial pneumonia | ICD-10-CM |
| J84.8 | Other specified interstitial pulmonary diseases | ICD-10-CM |
| J84.81 | Lymphangioleiomyomatosis | ICD-10-CM |
| J84.82 | Adult pulmonary Langerhans cell histiocytosis | ICD-10-CM |
| J84.83 | Surfactant mutations of the lung | ICD-10-CM |
| J84.84 | Other interstitial lung diseases of childhood | ICD-10-CM |
| J84.841 | Neuroendocrine cell hyperplasia of infancy | ICD-10-CM |
| J84.842 | Pulmonary interstitial glycogenosis | ICD-10-CM |
| J84.843 | Alveolar capillary dysplasia with vein misalignment | ICD-10-CM |
| J84.848 | Other interstitial lung diseases of childhood | ICD-10-CM |
| J84.89 | Other specified interstitial pulmonary diseases | ICD-10-CM |



Appendix F. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Health Care Characteristics of Interest in this Request

| Code | Description | Code Type | | | | | | | | |
|-------|--|-----------|--|--|--|--|--|--|--|--|
| J84.9 | 34.9 Interstitial pulmonary disease, unspecified | | | | | | | | | |
| | Macrophage Activation Syndrome | | | | | | | | | |
| D76.1 | Hemophagocytic lymphohistiocytosis | ICD-10-CM | | | | | | | | |
| D76.2 | Hemophagocytic syndrome, infection-associated | ICD-10-CM | | | | | | | | |
| D76.3 | Other histiocytosis syndromes | ICD-10-CM | | | | | | | | |



Appendix G. Specifications Defining Parameters for the Adult Cohort Used in this Request

This request used the Cohort Identification and Descriptive Analysis (CIDA) tool version 5.4.4 to calculate the proportion of pulmonary arterial hypertension, interstitial lung disease, and macrophage activation syndrome diagnoses among an adult population with adult onset still's disease after exposure to interleukin inhibitors in the Sentinel Distributed Database (SDD).

| | | | | | | Que | ery period: | October 1, 2015 - | March 31, 20 |)18 | | | | | | |
|----------|---|-------------------|------------------------------------|---------------------------|---|--------------------------|-------------|---|-----------------------|--|---|---|--------------------------|--|---|--|
| | | | | | | | Coverage: | Medical and drug | coverage | | | | | | | |
| | | | Exj | posure | | | Iment gap: | | Inclusio | on Criteria | | Ва | seline Covaria | | Medical Care Ut | ilization |
| Scenario | Exposure | Washout period | Incident with respect to: | Cohort definition | Censor enrollment at evidence of | Encounter caresetting | Group | Criteria IL-1/IL-6 INH | Encounter caresetting | Criteria evaluation window relative to index S IN THE AOSD COHO | Code days: number of instances the criteria should be found in baseline period | Covariate | Covariate caresetting | Covariate evaluation window relative to index | Group | Evaluation window relative to index |
| | Aggregate IL-1/IL- 6 Inhibitors: | - | | | | | AOSD | Inclusion | Any | Beginning of enrollment, 0 | 1 | Pain medication use Glucocorticoid use | Any | Beginning of enrollment, -1 | Inpatient hospital stays; Non-acute | |
| 9 | Anakinumab, Canakinumab, Rilonacept, Sarilumab, Tocilizumab | | | First valid index date | Death, DP End Date, Query Period End Date | Any | PAH ILD | Exclusion for the AOSD Inclusion criteria | Any | Beginning of enrollment, -1 | 1 | PAH; ILD; MAS | Any | 1, end of enrollment | | -183, 0 |

International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), ICD-10-CM, Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology (CPT) codes are provided by Optum360. National Drug Codes (NDCs) are checked against First Data Bank's "National Drug Data File (NDDF[®]) Plus."



Appendix H. Specifications Defining Parameters for the Pediatric Cohort Used in this Request

This request used the Cohort Identification and Descriptive Analysis (CIDA) tool version 5.4.4 to calculate the proportion of pulmonary arterial hypertension, interstitial lung disease, and macrophage activation syndrome diagnoses among a pediatric poulation with systemic juvenile idiopathic arthritis after exposure to interleukin inhibitors in the Sentinel Distributed Database (SDD).

| | | | Evo | osure | | | nent required prollment gap Age groups: | • | ⁷ years Inclusion C | ritoria | | Pa | seline Covaria | tor | Medical Care Utiliz | ration | | | |
|---------|---|--------------------|------------------|------------------------------|--|-----|---|--|-----------------------------------|---|--|---------------------|-------------------------------|--|---|--|--------------------------------|--|--|
| :enario | Exposure | Washout period | Incident with | Cohort definition | Censor enrollment at evidence of | | Group | Criteria | | Criteria evaluation window relative to index | Code days: number of instances the criteria should be found in baseline period | Covariate | | Covariate evaluation window relative to index | | Evaluatio window relative t index | | | |
| | | | | | | | | IL-1/IL-6 INHIBI | TOR USERS IN | THE SJIA COHORT | | | | | | | | | |
| 9 | Aggregate IL-1/IL-6 Inhibitors: Anakinumab, Canakinumab, | ors: nab, Eirst | | Death, DP End Date, Query | | | | | 0.00 | SJIA | Inclusion | Any | Beginning of enrollment, 0 | 1 | Pain medication use Glucocorticoid use | Any | Beginning of enrollment, -1 | Inpatient hospital stays; Non-acute institutional stays; Emergency department | |
| , | Rilonacept, Sarilumab, Tocilizumab | | | index date | | Any | PAH ILD | Exclusion for the SJIA Inclusion criteria | Any | Beginning of enrollment, -1 | 1 | PAH; ILD; MAS | Any | 1, end of enrollment | Emergency department visits; Ambulatory visits; Other ambulatory visits | | | | |

National Drug Codes (NDCs) are checked against First Data Bank's "National Drug Data File (NDDF*) Plus."