Appendix A: International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) for chronic noncancer pain, depressive disorders, and seizure disorders

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| **ICD-9 Code** | **Description** |
| **Chronic Pain** |
| 274 | Gout |
| 282.6 | Sickle cell disease |
| 307.8 | Pain disorders related to psychological factors |
| 337.2 | Reflex sympathetic dystrophy |
| 355.71 | Causalgia of lower limb |
| 338.0 | Central pain syndrome |
| 338.2 | Chronic Pain |
| 338.4 | Chronic pain syndrome |
| 339 | Other headache syndromes |
| 346 | Migraine |
| 350 | Trigeminal nerve disorders |
| 353.0 | Brachial plexis lesions |
| 353.6 | Phantom limb syndrome |
| 354 | Mononeuritis of upper limb and mononeuritis multiplex |
| 355.9 | Causalgia |
| 710 | Diffuse diseases of connective tissues |
| 712 | Crystal arthropathies |
| 713 | Arthopathy associated with other disorders |
| 714 | [Rheumatoid arthritis and other inflammatory polyarthropathies](https://www.findacode.com/code-set.php?set=ICD9&i=1787) |
| 715 | Osteoarthrosis and allied disorders |
| 716 | [Other and unspecified arthropathies](https://www.findacode.com/code-set.php?set=ICD9&i=1795) |
| 717 | Internal derangement of knee |
| 718.0 | Articular cartilage disorder |
| 718.1 | Loose body in joint |
| 720 | Ankylosing spondylitis and other inflammatory spondylopathies |
| 721 | [Spondylosis and allied disorders](https://www.findacode.com/code-set.php?set=ICD9&i=1830) |
| 722 | Intervertebral disc disorders |
| 723.0 | Spinal stenosis in cervical region |
| 723.1 | Cervicalgia |
| 723.2 | Cervicocranial syndrome |
| 723.3 | Cervicobrachial syndrome (diffuse) |
| 724 | Other and unspecified disorders of back |
| 725 | Polymyalgia rheumatica |
| 726 | Peripheral enthesopathies and allied syndromes |
| 727.0 | Synovitis and tenosynovitis |
| 727.1 | Bunion |
| 727.2 | Specific bursitides often of occupational origin |
| 727.3 | Other bursitis |
| 727.4 | Ganglion and cyst of synovium tendon and bursa |
| 729.0 | Rheumatism, unspecified and fibrositis |
| 729.1 | Myalgia and myositis, unspecified |
| 729.2 | Neuralgia, neuritis, and radiculitis, unspecified |
| 729.5 | Pain in limb |
| 729.7 | Nontraumatic compartment syndrome |
| 780.96 | Generalized pain |
| 784.0 | Headache |
| **Depressive Disorder** |
| 296.2X | Major Depressive disorder single event |
| 296.3X | Major Depressive disorder recurrent episode |
| 296.90 | Unspecified episodic mood disorder |
| 296.82 | Atypical depressive disorder |
| 296.99 | Other specified episodic mood disorder |
| 298.0 | Depressive type psychosis |
| 300.4 | Dysthymic disorder |
| 301.12 | Chronic depressive personality disorder |
| 309.0 | Adjustment disorder with depressed mood |
| 309.1 | Prolonged depressive reaction |
| 311 | Depressive disorder, not elsewhere classified |
| **Seizure Disorder** |
| 345.0X | Generalized nonconvulsive epilepsy |
| 345.1X | Generalized convulsive epilepsy |
| 345.2X | Petit mal status epilepticus |
| 345.3X | Grand mal status epilepticus |
| 345.4X | Partial epilepsy, impairment of consciousness |
| 345.5X | Partial epilepsy, no impair consciousness |
| 345.7X | Epilepsia partialis continua |
| 345.8X | Other forms of epilepsy: cursive, gelastic |
| 345.9X | Epilepsy, unspecified, NOS |
| 780.39 | Other convulsions |

Appendix B: Generic Drug Name for opioids and nonopioids

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| **Generic Drug Name** | **Opioid or Nonopioid** |
| A.P.C. W/Codeine | Opioid |
| Acetaminophen | Nonopioid |
| Acetaminophen/Aspirin/Caffeine | Nonopioid |
| Acetaminophen/Butalbital | Nonopioid |
| Acetaminophen/Butalbital/Caffeine | Nonopioid |
| Acetaminophen/Butalbital/Codeine Phosphate | Opioid |
| Acetaminophen/Caffeine | Nonopioid |
| Acetaminophen/Caffeine/Dihydrocodeine Bitartrate | Opioid |
| Acetaminophen/Caffeine/Magnesium Salicylate | Nonopioid |
| Acetaminophen/Calcium Carbonate | Nonopioid |
| Acetaminophen/Codeine Phosphate | Opioid |
| Acetaminophen/Hydrocodone Bitartrate | Opioid |
| Acetaminophen/Magnesium Salicylate | Nonopioid |
| Acetaminophen/Meperidine Hydrochloride | Opioid |
| Acetaminophen/Oxycodone Hydrochloride | Opioid |
| Acetaminophen/Pentazocine Hydrochloride | Opioid |
| Acetaminophen/Phenyltoloxamine Citrate | Nonopioid |
| Acetaminophen/Propoxyphene Hydrochloride | Opioid |
| Acetaminophen/Propoxyphene Napsylate | Opioid |
| Acetaminophen/Tramadol Hydrochloride | Opioid |
| Al Hydroxide/Mg Trisilicate/Phenylbutazone | Nonopioid |
| Amitriptyline Hydrochloride | Nonopioid |
| Amoxapine | Nonopioid |
| Antipyrine/Benzocaine/Glycerin | Nonopioid |
| APAP/Butabarbital Na/Codeine Phos | Opioid |
| APAP/Butalbital/Caff/Codeine Phos | Opioid |
| APAP/Ca Carbonate/Mg Carbonate/Mg Oxide | Nonopioid |
| APAP/DM Hydrobrom/PSE HCl | Nonopioid |
| APAP/Phenyltoloxamine Cit/Salicylamide | Nonopioid |
| ASA/Oxycodone HCl/Oxycodone Terephthalate | Opioid |
| Aspirin | Nonopioid |
| Aspirin (Buffered)/Codeine Phosphate | Opioid |
| Aspirin/Butalbital/Caffeine/Codeine Phosphate | Opioid |
| Aspirin/Caffeine/Dihydrocodeine Bitartrate | Opioid |
| Aspirin/Caffeine/Propoxyphene Hydrochloride | Opioid |
| Aspirin/Carisoprodol/Codeine Phosphate | Opioid |
| Aspirin/Codeine Phosphate | Opioid |
| Aspirin/Hydrocodone Bitartrate | Opioid |
| Aspirin/Oxycodone Hydrochloride | Opioid |
| Aspirin/Pentazocine Hydrochloride | Opioid |
| Belladonna Alkaloids/Opium Alkaloids | Opioid |
| Bromfenac Sodium | Nonopioid |
| Buprenorphinea | Opioid |
| Bupropion hydrobromide | Nonopioid |
| Butorphanol Tartrate | Opioid |
| Carbamazepine | Nonopioid |
| Celecoxib | Nonopioid |
| Clomipramine Hydrochloride | Nonopioid |
| Codeine Phosphate | Opioid |
| Codeine Sulfate | Opioid |
| Desipramine Hydrochloride | Nonopioid |
| Desvenlafaxine | Nonopioid |
| Desvenlafaxine Succinate | Nonopioid |
| Diclofenac Potassium | Nonopioid |
| Diclofenac Sodium | Nonopioid |
| Diclofenac Sodium/Misoprostol | Nonopioid |
| Dihydrocodeine/Apap/Caffeine | Opioid |
| Doxepin Hydrochloride | Nonopioid |
| Duloxetine Hydrochloride | Nonopioid |
| Esomeprazole Magnesium/Naproxen | Nonopioid |
| Etodolac | Nonopioid |
| Fenoprofen Calcium | Nonopioid |
| Fentanyl | Opioid |
| Flurbiprofen | Nonopioid |
| Gabapentin | Nonopioid |
| Gabapentin Enacarbil | Nonopioid |
| Hydrocodone Bitartrate | Opioid |
| Hydrocodone Bitartrate/Ibuprofen | Opioid |
| Hydromorphone Hydrochloride | Opioid |
| Hydromorphone Hydrochloride/Sodium Chloride | Opioid |
| Ibuprofen | Nonopioid |
| Ibuprofen/Oxycodone Hydrochloride | Opioid |
| Imipramine Hydrochloride | Nonopioid |
| Imipramine Pamoate | Nonopioid |
| Indomethacin | Nonopioid |
| Indomethacin Sodium | Nonopioid |
| Ketoprofen | Nonopioid |
| Levomilnacipran Hydrochloride | Nonopioid |
| Levorphanol Tartrate | Opioid |
| Meclofenamate Sodium | Nonopioid |
| Mefenamic Acid | Nonopioid |
| Meloxicam | Nonopioid |
| Meperidine Hydrochloride | Opioid |
| Methadone Hydrochloride | Opioid |
| Milnacipran Hydrochloride | Nonopioid |
| Morphine Sulfate | Opioid |
| Morphine Sulfate Liposome | Opioid |
| Morphine Sulfate/Naltrexon | Opioid |
| Morphine Sulfate/Naltrexone Hydrochloride | Opioid |
| Nabumetone | Nonopioid |
| Naloxone Hydrochloride/Pentazocine Hydrochloride | Opioid |
| Naproxen | Nonopioid |
| Naproxen Sodium | Nonopioid |
| Naproxen Sodium/Sumatriptan Succinate | Nonopioid |
| Nortriptyline Hydrochloride | Nonopioid |
| Oxaprozin | Nonopioid |
| Oxcarbazepine | Nonopioid |
| Oxycodone Hydrochloride | Opioid |
| Oxymorphone Hydrochloride | Opioid |
| Oxyphenbutazone | Nonopioid |
| Phenylbutazone | Nonopioid |
| Piroxicam | Nonopioid |
| Pregabalin | Nonopioid |
| Propoxyphene Hydrochloride | Opioid |
| Propoxyphene Napsylate | Opioid |
| Protriptyline Hydrochloride | Nonopioid |
| Rofecoxib | Nonopioid |
| Sulindac | Nonopioid |
| Tapentadol Hydrochloride | Opioid |
| Tolmetin Sodium | Nonopioid |
| Tramadol Hydrochloride | Opioid |
| Trimipramine Maleate | Nonopioid |
| Venlafaxine Hydrochloride | Nonopioid |

aBuprenorphine typically used to treat opioid use disorder was excluded, however certain buprenorphine products used to treat pain (i.e. Butrans® and Belbuca®) were included