

MARYLOU SUDDERS

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The Commonwealth of Massachusetts

Executive Office of Health and Human Services

Department of Public Health

Bureau of Health Care Safety and Quality

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Dear Massachusetts Prescribers,

Section 4 of Chapter 52 of the Acts of 2016, *An Act relative to substance use, treatment, education and prevention*, amends section 13 of chapter 17 of the General Laws to require the Drug Formulary Commission, by September 1, 2016, to publish, distribute, and update annually a list of FDA approved, non-opioid drug products that are effective pain management alternatives and have a lesser potential for abuse than Schedule II and III opioid drug products.

On July 14, 2016, the Drug Formulary Commission approved this list based on favorable clinician experience with many drug and non-drug interventions for pain and headache. The list includes over 100 non-opioid medications that are either indicated for pain or have a recognized off-label use for pain. The medications are listed alphabetically by therapeutic class and include the generic name, name brand, FDA-labelled pain indication and off-label pain use.

This list may be useful for prescribers, faced with a patient holding a voluntary non-opioid directive, as part of the robust patient-prescriber relationship, to determine a non-opioid treatment alternative.

Sincerely,

Eric Sheehan, J.D.

Bureau Director, Bureau of Health Care Safety and Quality; and

Chair Designee, Massachusetts Drug Formulary Commission

**Non-Opioid Drug Products for Pain Management**

**The list that follows below is intended for informational purposes only and not intended to be either complete or to be used as guidance for opioid substitution.**

Clinicians have reported favorable experience with many drug and non-drug interventions for pain and headache. Not all of these observations are equally well supported by the best available evidence, and not all conditions or patients respond equally well to the same dose of the same agent. Competencies in the safe and effective diagnosis and treatment of painful conditions are complex skill sets. Appropriate clinical expertise should be sought in the individualized decision making required for optimal pain assessment and treatment.

| **Therapeutic Class** | **Generic Name** | **Brand Name(s)** | **FDA-Labeled Pain Indication** | **Off-Label Pain Use** |
| --- | --- | --- | --- | --- |
| Analgesics and Antipyretics, Miscellaneous | Acetaminophen | Tylenol® | Headache, musculoskeletal pain | - |
| Acetaminophen injection | Ofirmev® | Mild to moderate pain, moderate to severe pain (adjunct) | - |
| Acetaminophen/ aspirin | Excedrin® Back and Body | Headache, musculoskeletal pain | - |
| Acetaminophen/ aspirin/caffeine | Excedrin® (various products) | Headache | - |
| Angiotensin-Converting Enzyme Inhibitors (ACE-I) | Enalapril | Vasotec® | - | Migraine prophylaxis |
| Lisinopril | Prinivil®, Zestril® | - | Migraine prophylaxis |
| Anticonvulsants | Carbamazepine | Carbatrol®, Epitol®, Tegretol®, Tegretol XR® | Trigeminal Neuralgia | - |
| Divalproex sodium | Depakote®, Depakote ER® | Migraine prophylaxis | - |
| Gabapentin | Gralise®, Horizant®, Neurontin® | Postherpetic neuralgia | Diabetic peripheral neuropathy, fibromyalgia, postoperative pain (preemptive), chemotherapy-induced peripheral neuropathy |
| Lacosamide | Vimpat® | - | Diabetic peripheral neuropathy |
| Lamotrigine | Lamictal®, Lamictal ODT®, Lamictal XR® | - | Migraine prophylaxis, neuropathic pain, trigeminal neuralgia |
| Levetiracetam | Keppra®, Keppra XR® | - | Migraine prophylaxis |
| Oxcarbazepine | Trileptal® | - | Chemotherapy-induced peripheral neuropathy |
| Phenytoin | Dilantin® | - | Neuropathic pain |
| Anticonvulsants | Pregabalin | Lyrica® | Diabetic peripheral neuropathy, fibromyalgia, postherpetic neuralgia | Chemotherapy-induced peripheral neuropathy |
| Topiramate | Topamax®, Trokendi XR® | Migraine prophylaxis | - |
| Valproic acid | Depakene® | Migraine prophylaxis | - |
| Zonisamide | Zonegran® | - | Migraine prophylaxis |
| Antidepressants, Selective Serotonin Reuptake Inhibitors (SSRIs) | Fluoxetine | Prozac®, Prozac Weekly®, Sarafem® | - | Fibromyalgia |
| Paroxetine | Paxil®, Paxil CR® | - | Fibromyalgia, migraine prophylaxis, tension-type headache prophylaxis |
| Sertraline | Zoloft® | - | Fibromyalgia |
| Antidepressants, Serotonin and Norepinephrine Reuptake Inhibitors (SNRIs) | Duloxetine | Cymbalta® | Chronic musculoskeletal pain, diabetic peripheral neuropathy, fibromyalgia | Chemotherapy-induced peripheral neuropathy |
| Milnacipran | Savella® | Fibromyalgia | - |
| Venlafaxine | Effexor®, Effexor XR® | - | Migraine prophylaxis, neuropathic pain, tension-type headache prophylaxis |
| Antidepressants, Tricyclic Antidepressants (TCAs) | Amitriptyline | Elavil® | - | Back pain, fibromyalgia, migraine prophylaxis, neuropathic pain |
| Clomipramine | Anafranil® | - | Chronic low back pain |
| Desipramine | Norpramin® | - | Diabetic peripheral neuropathy |
| Doxepin | Silenor® | - | Chronic low back/neck pain with comorbid depression, psychogenic headache |
| Imipramine | Tofranil®, Tofranil-PM® | - | Chest pain (normal angiogram), neuropathic pain |
| Maprotiline | Ludiomil® | - | Chronic low back pain, fibromyalgia |
| Nortriptyline | Pamelor® | - | Chronic low back pain, diabetic peripheral neuropathy, neuropathic pain, post herpetic neuralgia |
| Antidepressants, Miscellaneous | Bupropion hydrobromide | Aplenzin® | - | Neuropathic pain |
| Antidepressants, Miscellaneous | Bupropion hydrochloride | Wellbutrin®, Wellbutrin XL®, Wellbutrin SR®, Forfivo®, Zyban® | - | Neuropathic pain |
| Beta Blockers | Atenolol | Tenormin® | - | Migraine prophylaxis |
| Bisoprolol | Zebeta® | - | Migraine prophylaxis |
| Metoprolol | Lopressor®, Toprol XL® | - | Migraine prophylaxis |
| Nadolol | Corgard® | - | Migraine prophylaxis |
| Nebivolol | Bystolic® | - | Migraine prophylaxis |
| Pindolol | Visken® | - | Migraine prophylaxis |
| Propranolol | Inderal®, Inderal LA® | Migraine prophylaxis | - |
| Timolol | Blocadren® | Migraine prophylaxis | - |
| Calcium Channel Blockers | Nicardipine | Cardene®, Cardene SR® | - | Migraine prophylaxis |
| Nimodipine | Nimotop® | - | Cluster headache |
| Verapamil | Calan®, Calan SR®, Verelan®, Verelan PM® | - | Cluster headache, migraine prophylaxis |
| Corticosteroids | Dexamethasone | Decadron® | Musculoskeletal inflammation | - |
| Hydrocortisone | Cortef®, Solu-Cortef® | Musculoskeletal inflammation | - |
| Methylprednisolone | Depo-Medrol®, Medrol®, Solu-Medrol® | Musculoskeletal inflammation | - |
| Prednisone | Deltasone® | Musculoskeletal inflammation, rheumatoid arthritis (adjunct) | - |
| Prednisolone | Cotolone®, Prelone®, Millipred®, Millipred DP® | Musculoskeletal inflammation, rheumatoid arthritis |  |
| Triamcinolone | Aristocort®, Kenalog® | Musculoskeletal inflammation |  |
| Ergot Alkaloids | Dihydroergotamine | D.H.E®, Migranal® | Cluster headache, migraine headache | - |
| Ergotamine/caffeine | Cafergot® | Migraine headache, vascular headache | - |
| Neuromuscular Blockers | AbobotulinumtoxinA | Dysport® | Cervical dystonia, upper limb spasticity | Cerebral palsy spasticity |
| IncobotulinumtoxinA | Xeomin® | Cervical dystonia, upper limb spasticity | - |
| OnabotulinumtoxinA | Botox® | Cervical dystonia, Chronic migraine prophylaxis, lower limb spasticity, upper limb spasticity | Backache, cerebral palsy spasticity, cervicogenic headache, epicondylitis, fibromyalgia, isolated oromandibular dystonia, refractory idiopathic trigeminal neuralgia, temporomandibular joint disorder |
| RimabotulinumtoxinB  | Myobloc® | Spasmodic torticollis | - |
| N-methyl-D-aspartate receptor (NMDA) Receptor Antagonist | Memantine | Namenda® | - | Chronic pain, postoperative pain |
| Nonsteroidal Anti-inflammatory Drugs (NSAIDs) | Acetylsalicylic acid (Aspirin) | - | Generalized aches and pains, headache | - |
| Celecoxib | Celebrex® | Acute pain, ankylosing spondylitis, Juvenile rheumatoid arthritis, osteoarthritis, primary dysmenorrhea, rheumatoid arthritis | Acute gout |
| Diclofenac epolamine patch | Flector® patch | Acute pain due to minor strains, sprains, and contusions | - |
| Diclofenac potassium | Cataflam® | Migraine headache, mild to moderate pain, osteoarthritis, primary dysmenorrhea, rheumatoid arthritis | Acute gout |
| Nonsteroidal Anti-inflammatory Drugs (NSAIDs) | Diclofenac sodium | Cambia®, Voltaren®, Voltaren XR®, Zipsor®, Zorvolex® | Acute pain, ankylosing spondylitis, osteoarthritis, rheumatoid arthritis | Acute gout, biliary colic, renal colic |
| Diclofenac sodium gel | Voltaren Gel® | Osteoarthritis | - |
| Diclofenac sodium injection | Dyloject® | Acute pain | Biliary colic, migraine headache, myalgia, renal colic |
| Diclofenac sodium topical solution | Pennsaid® | Osteoarthritis | - |
| Diclofenac/ misoprostol | Arthrotec® | Osteoarthritis and rheumatoid arthritis in patients at high risk of developing NSAID-induced gastric and duodenal ulcers and their complications | Dental pain, inflammatory disorder |
| Diflunisal | Dolobid® | Mild to moderate pain, osteoarthritis, rheumatoid arthritis | Backache, dysmenorrhea, soft tissue injury |
| Etodolac | Lodine®, Lodine XL® | Acute pain, juvenile rheumatoid arthritis, osteoarthritis, rheumatoid arthritis | - |
| Fenoprofen | Nalfon® | Mild to moderate pain, osteoarthritis, rheumatoid arthritis | Migraine headache, tendinitis |
| Flurbiprofen | Ansaid® | Osteoarthritis, rheumatoid arthritis | Ankylosing spondylitis, dental pain, dysmenorrhea, migraine headache, throat pain |
| Nonsteroidal Anti-inflammatory Drugs (NSAIDs)Nonsteroidal Anti-inflammatory Drugs (NSAIDs)Nonsteroidal Anti-inflammatory Drugs (NSAIDs) | Ibuprofen | Motrin® | Headache, migraine headache, osteoarthritis, pain, primary dysmenorrhea, rheumatoid arthritis | - |
| Ibuprofen injection | Caldolor® | Mild to moderate pain, moderate to severe pain (adjunct) | - |
| Ibuprofen/famotidine | Duexis® | Ostearthritis, rheumatoid arthritis | - |
| Indomethacin | Indocin®, Tivorbex® | Acute gout, ankylosing spondylitis, mild to moderate pain, osteoarthritis, rheumatoid arthritis | Dysmenorrhea, headache, post-endoscopic retrograde cholangiopancreatography (ERCP) pancreatitis prophylaxis, ureteric colic |
| Ketoprofen | Orudis® | Mild to moderate pain, osteoarthritis, primary dysmenorrhea, rheumatoid arthritis | Soft tissue injury |
| Ketorolac | Toradol® | Acute pain (short-term treatment) | Headache, postoperative pain, renal colic |
| Ketorolac injection | Toradol® injection | Acute pain (short-term treatment) | Headache, regional anesthesia, renal colic |
| Ketorolac nasal spray | Sprix® | Acute pain (short-term treatment) | - |
| Meclofenamate | Meclomen® | Ankylosing spondylitis, gout, juvenile chronic arthritis, menorrhagia, mild to moderate pain, osteoarthritis, primary dysmenorrhea, rheumatoid arthritis | - |
| Mefenamic acid | Ponstel® | Dysmenorrhea, low back pain, mild to moderate pain | - |
| Meloxicam | Mobic®, Vivlodex® | Polyarticular juvenile rheumatoid arthritis, osteoarthritis, rheumatoid arthritis | Acute gout, postoperative dental pain, primary dysmenorrhea |
| Nabumetone | Relafen® | Osteoarthritis, rheumatoid arthritis | Soft tissue injury |
| Naproxen | Anaprox DS®, EC Naprosyn®, Naprosyn®, Naprelan® | Acute gout, acute tendinitis, ankylosing spondylitis, bursitis, mild to moderate pain, osteoarthritis, primary dysmenorrhea, rheumatoid arthritis | Soft tissue injury, systemic lupus erythematosus |
| Naproxen/ esomeprazole | Vimovo® | Ankylosing spondylitis, osteoarthritis, rheumatoid arthritis | - |
| Oxaprozin | Daypro® | Juvenile rheumatoid arthritis, osteoarthritis, rheumatoid arthritis | Bursitis, tendinitis, procedure-associated dental pain |
| Piroxicam | Feldene® | Osteoarthritis, rheumatoid arthritis | Acute gout, dental pain, dysmenorrhea, post-episiotomy pain, postoperative pain, soft tissue injury |
| Salsalate | Disalcid® | Osteoarthritis, rheumatoid arthritis | - |
| Sulindac | Clinoril® | Acute gout, ankylosing spondylitis, osteoarthritis, rheumatoid arthritis, shoulder pain | - |
| Tolmetin | Tolectin®, Tolectin DS® | Juvenile rheumatoid arthritis, osteoarthritis, rheumatoid arthritis | - |
| Serotonin (5HT-1) Agonists (Triptans) | Almotriptan | Axert® | Acute migraine headache | - |
| Eletriptan | Relpax® | Acute migraine headache | - |
| Frovatriptan | Frova® | Acute migraine headache | Menstrual migraine prophylaxis |
| Naratriptan | Amerge® | Acute migraine headache | - |
| Rizatriptan | Maxalt®, Maxalt MLT® | Acute migraine headache | Tension-type headache |
| Sumatriptan injection, nasal powder, nasal spray, oral, transdermal iontophoretic system | Alsuma® injection, Imitrex® injeciton, Imitrex® nasal spray, Imitrex® tablets, Onzetra Xsail® nasal powder, Sumavel Dosepro® injection, Zecuity® transdermal iontophoretic system, Zembrace Symtouch® injection | Acute migraine headache, cluster headache | - |
| Sumatriptan/ naproxen | Treximet® | Acute migraine headache | Menstrual migraine |
| Zolmitriptan nasal spray, oral | Zomig® tablets, Zomig® nasal spray, Zomig ZMT® orally disintegrating tablets,  | Acute migraine headache | Cluster headache, menstrual migraine |
| Skeletal Muscle RelaxantsSkeletal Muscle Relaxants | Baclofen | Lioresal® | Spasticity | Stiff-man syndrome, trigeminal neuralgia |
| Chlorzoxazone | Lorzone®, Parafon Forte DSC® | Musculoskeletal pain | - |
| Cyclobenzaprine | Amrix®, Fexmid®, Flexeril® | Skeletal muscle spasm | Fibromyalgia |
| Dantrolene | Dantrium® | Chronic spasticity from upper motor neuron disorders | Tetanic spasm |
| Metaxalone | Skelaxin® | Musculoskeletal pain | - |
| Methocarbamol | Robaxin® | Musculoskeletal pain, tetanic spasm | - |
| Orphenadrine | Norflex® | Musculoskeletal pain | - |
| Tizanidine | Zanaflex | Spasticity | - |
| Sodium Channel Blockers | Mexiletine | Mexitil® | - | Chronic peripheral neuralgia, dysesthesias occurring in multiple sclerosis, painful diabetic neuropathy, phantom limb pain, postoperative pain in breast cancer surgery (adjunct), spasticity |
| Topical AgentsTopical Agents | Capsaicin cream, gel, jelly, lotion | Castiva Arthritis Pain Relief®, Icy Hot Arthritis Therapy®, Rid-A-Pain®, Theragen®, Trixaicin®, Zostrix® | Arthritis pain, musculoskeletal pain, neuropathic pain associated with postherpetic neuralgia | Neuropathy associated with postoperative complications |
| Capsaicin patch | Qutenza® | Neuropathic pain associated with postherpetic neuralgia | Neuropathy associated with HIV |
| Lidocaine cream, gel, jelly | LC-4®, LC-5®, LMX 4®, LMX 5®, Recticare®, Topicaine®, Xylocaine® | Local anesthesia, postherpetic neuralgia | Burns, diabetic neuropathy |
| Lidocaine patch | Lidoderm® | Postherpetic neuralgia | Diabetic neuropathy |
| Lidocaine/prilocaine cream, gel | EMLA®, Oraqix®, Relador Pak®, Venipuncture CPI® | Dental local anesthesia, genital mucous membrane local anesthesia, local anesthesia to skin | Local anesthesia of decubitus ulcer |