



The Commonwealth of Massachusetts

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August 26, 2016

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,

A handwritten signature in blue ink, appearing to read "Eric Sheehan".

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

Therapeutic Class	Generic Name	Brand Name(s)	FDA-Labeled Pain Indication	Off-Label Pain Use
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

Therapeutic Class	Generic Name	Brand Name(s)	FDA-Labeled Pain Indication	Off-Label Pain Use
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/cafeine	Cafergot [®]	Migraine headache, vascular headache	-

Therapeutic Class	Generic Name	Brand Name(s)	FDA-Labeled Pain Indication	Off-Label Pain Use
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

Therapeutic Class	Generic Name	Brand Name(s)	FDA-Labeled Pain Indication	Off-Label Pain Use
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

Therapeutic Class	Generic Name	Brand Name(s)	FDA-Labeled Pain Indication	Off-Label Pain Use
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 [®]	Osteoarthritis, 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	-

Therapeutic Class	Generic Name	Brand Name(s)	FDA-Labeled Pain Indication	Off-Label Pain Use
Nonsteroidal Anti-inflammatory Drugs (NSAIDs)	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	-

Therapeutic Class	Generic Name	Brand Name(s)	FDA-Labeled Pain Indication	Off-Label Pain Use
Nonsteroidal Anti-inflammatory Drugs (NSAIDs)	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 Relaxants	Baclofen	Lioresal [®]	Spasticity	Stiff-man syndrome, trigeminal neuralgia
	Chlorzoxazone	Lorzone [®] , Parafon Forte DSC [®]	Musculoskeletal pain	-

Therapeutic Class	Generic Name	Brand Name(s)	FDA-Labeled Pain Indication	Off-Label Pain Use
Skeletal Muscle Relaxants	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 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 [®] , Topicalaine [®] , Xylocaine [®]	Local anesthesia, postherpetic neuralgia	Burns, diabetic neuropathy
	Lidocaine patch	Lidoderm [®]	Postherpetic neuralgia	Diabetic neuropathy

Therapeutic Class	Generic Name	Brand Name(s)	FDA-Labeled Pain Indication	Off-Label Pain Use
Topical Agents	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