Morphine

Section: 2. Medicines for pain and palliative care > 2.2. Opioid analgesics

EMLc | ATC codes: N02AA01

Indication	Pain ICD11 code: MG3Z
Medicine type	Chemical agent
List type	Core
Formulations	**Oral > Liquid:** 5 mg per 5 mL (morphine hydrochloride or morphine sulfate) (EMLc) ; 10 mg per 5 mL (morphine hydrochloride or morphine sulfate) **Parenteral > General injections > unspecified:** 1 mg per mL in 1 mL ampoule (morphine hydrochloride or morphine sulfate) (EMLc) ; 2 mg per mL in 1 mL ampoule (morphine hydrochloride or morphine sulfate) (EMLc) ; 10 mg per mL in 1 mL ampoule (morphine hydrochloride or morphine sulfate) **Oral > Solid > tablet:** 10 mg immediate release (morphine sulfate) **Oral > Solid > dosage form:** 30 mg slow-release (morphine hydrochloride or morphine sulfate) ; 200 mg slow-release (morphine hydrochloride or morphine sulfate) (EML) ; 100 mg slow-release (morphine hydrochloride or morphine sulfate) ; 60 mg slow-release (morphine hydrochloride or morphine sulfate) ; 10 mg slow-release (morphine hydrochloride or morphine sulfate) ; 5 mg slow-release (morphine hydrochloride or morphine sulfate) (EMLc) **Oral > Solid > granules:** 20 mg (morphine sulfate) ; 30 mg (morphine sulfate) ; 60 mg (morphine sulfate) ; 100 mg (morphine sulfate) ; 200 mg (morphine sulfate) (EML)
EML status history	First added in 1977 (TRS 615) Changed in 1979 (TRS 641) Changed in 1984 (TRS 722) Changed in 2003 (TRS 920) Changed in 2007 (TRS 946) Changed in 2007 (TRS 950) Changed in 2013 (TRS 985) Changed in 2015 (TRS 994) Changed in 2025 (TRS 1064)
Sex	All
Age	Also recommended for children
Therapeutic alternatives	hydromorphone (ATC codes: N02AA03) oxycodone (ATC codes: N02AA05)
Patent information	Patents have expired in most jurisdictions Read more about patents.
Wikipedia	Morphine
DrugBank	Morphine

Summary of evidence and Expert Committee recommendations

Following the review of the age-appropriateness of formulations of medicines for children on the EMLc, the Expert Committee recommended: - the addition of morphine injection 1 mg/mL and 2 mg/mL in 2 mL ampoule to the EMLc; - the addition of morphine oral liquid 5 mg/5 mL to the EMLc; - the addition of morphine solid oral dosage form (slow-release) 5 mg to the EMLc; - the deletion of morphine granules (slow-release) 200 mg and morphine solid oral dosage form 200 mg (slow release) from the EMLc; - to replace the strength range for morphine granules and solid oral dosage form (slow release) with specific strengths on the EML and EMLc; - to modify the formulation

descriptions of morphine injection to better describe the available dosage forms.

