

[Morphine](#)

Essential medicine status

Section:

[2. Medicines for pain and palliative care 2.2. Opioid analgesics](#)

ATC codes: [N02AA01](#)

EMLc

Indication

Pain ICD11 code: [ML0Z](#)

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) (EMLc) ; 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

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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.