# Medication Alert

**Morphine, Meperidine and Ketorolac Injections in EPIC/Pyxis**

EPIC acute care settings including adult, pediatrics and NICU

**Practice Change:** Use the MAR to double check the concentration ordered against the med you are pulling from pyxis for pediatric/neonatal patients, especially in areas where you are taking care of both pediatric and adult patients and using a non-profiled pyxis. In adult settings, when overriding these meds you may need to take more syringes/vials out of the pyxis than in the past to fulfill the amount ordered.

Now standardizing injectable morphine, meperidine, and ketorolac injections to ensure safe administration for both adult and pediatric populations.

Morphine, Meperidine, and Ketorolac injections are configured in EPIC and Pyxis to allow different concentrations to be available for selection by the nurse for the patient’s needed dose. The EPIC MAR cannot know which concentration the nurse has chosen to administer and therefore the volume to be administered is not shown. In addition, the different concentrations are often overridable from Pyxis.

With the Wave 2 go-live at Advocate Children’s hospital, it was recognized that not having volumes display on the MAR for pediatric patients posed a medication safety risk. As the same medication strengths can be utilized for adult doses, EPIC & Pyxis functionality were reviewed to allow current adult practice to continue, while addressing the pediatric concerns.

**For patients < 18 years,** EPIC will select a specific concentration for Pyxis and show corresponding concentration volumes on the MAR.

- Morphine Inj. doses < 0.2mg will select morphine 0.2mg/ml
- Morphine Inj. doses > 0.2mg and above will select morphine 2mg/ml
- All meperidine inj. doses select the 25mg/ml concentration
- All ketorolac inj. doses select the 15mg/ml concentration

**For patients 18 and older:** No change on MAR. Pyxis change on override strengths. Only lower concentrations will be available to override.

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Further education forthcoming

No further education is planned  

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**For questions contact:**  
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