

Michigan MEDICATION SECTION MEDICATION SUBSTITUTION

Initial Date: 10/25/2017

Revised Date: 07/28/2023

Section 9-2

Medication Substitution

Purpose:

This protocol allows for MCA to substitute medications during a time of shortage without having to enact emergency protocols within the MCA. This protocol does not replace or override any portion of the **Medication Shortage Procedure**. All procedures within that procedure must still be followed in regards to substitutions in concentration or medication.

Indications:

None of the medication options indicated in the MCA approved protocol are available.

Procedure:

- 1. Follow Medication Shortage Procedure.
- 2. Alternate concentrations are listed within this protocol for reference; these do not require a protocol change and are outlined in the **Medication Shortage Procedure**.
- 3. Notification and education of providers within the MCA should be done as soon as the substitution is known.
 - a. It is the responsibility of the MCA to distribute information on the shortages and substitutions to agencies for distribution to providers.
 - b. If a substitution is imminent, it is acceptable for an MCA to distribute information prior to the medication being substituted.
- 4. The MCA should notify the Division of EMS and Trauma if a substitution is suspected to last more than 60 days so that a more permanent protocol solution can be enacted.

5. All uses of substitute medications will be reviewed by PSRO for appropriateness.

| Current Medication | Substitution |
|--------------------|---|
| Amiodarone | Procainamide |
| Calcium Chloride | Calcium Gluconate |
| Diazepam | Lorazepam |
| Diphenhydramine | Famotidine Ranitidine Hydroxyzine |
| Fentanyl | Hydromorphone |
| Lidocaine | Procainamide |
| Midazolam | Lorazepam |
| Morphine | Hydromorphone |
| Ondansetron | Promethazine Compazine |