



To: All AMR Contra Costa Employees  
From: Troy Vincent, Clinical Manager  
Date: October, 4<sup>th</sup> 2022

**RE: Midazolam Volume Change**

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Due to a national backorder of Midazolam, we procured different vials using like concentrations with double the volume. Moving forward, we will have a like concentration of **5mg in 1ml, though it will be 10mg in 2ml vials**. The concentrations may also be referred as **10mg in 2ml**. The remaining stock of 5mg in 1ml Midazolam vials will be distributed to the field pending a restock of the original concentration or a complete adoption of the new volume.

With this new volume, we have a change of volume per vial and stress the fact that the deltoid cannot support more than one millileter at a time. A large muscle such as the Glute or the Thigh may be used for a 2ml dose. The new ratios are as follows:

Identifiers of the new Volume are in the images below.



(Red Control)

(NEW VOLUME on Tube)

Contact CES with questions.

CC: Troy Vincent, Clinical Manager  
Scott Newlin, Operations Manager  
EMS Supervisors