



Monroe Livingston Region Program Agency

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To: All ALS Providers

From: Jeremy T. Cushman, MD, MS, EMT-P *JT Cushman*
Regional Medical Director

Date: June 18, 2010

Re: Advisory 10-11: Epinephrine 1:10,000 Shortage

A shortage exists in the availability of Epinephrine 1:10,000. Hospira Inc, is the sole source manufacturer of this medication, and has advised that resupplies should be available to rectify the shortage by early July. At this time, the region is beginning to experience a shortage in 1:10,000 Epinephrine available to EMS. Hospital pharmacies are providing additional vials/ampules of Epinephrine 1:1,000 to meet the continued need for this resuscitation medication. This Advisory is being distributed to remind ALS providers of the process for diluting 1:1,000 to achieve a 1:10,000 concentration.

In the absence of Epinephrine 1:10,000, ALS providers are authorized to use a vial/ampule of Epinephrine 1:1,000 after dilution to achieve a 1:10,000 concentration for patient administration.

Please follow these instructions for using Epinephrine 1:1,000 and diluting to 1:10,000.

1. Using a Saline Flush, remove 1ml of saline, leaving 9ml; or draw up 9ml of saline into an empty 10ml syringe.
2. Attach a needle.
3. Draw up 1ml of Epinephrine 1:1,000 into the 9ml of saline, ensuring you do not inject saline into the vial/ampule. You now have 1:10,000 concentration Epinephrine (1mg/10ml).
4. Remove the needle and use as you would the pre-loaded Epinephrine.

We will continue to monitor the situation and advise if any additional measures are required. With any questions, please do not hesitate to contact the Regional Program Agency.