



Advisory 16-06 Hospital Medication Stations

To: All MLREMS Paramedic Providers, ALS Chiefs, and Agency Leadership

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

Date: July 7, 2016

Recently the Federal Government signed the Drug Supply Chain and Security Act (DSCSA) into law and although the DSCSA has exemptions for Emergency Medical Services these exemptions do not extend to the area hospitals that supply agencies in the Monroe-Livingston EMS system with medications. The regional Pharmacy Sub-Committee has been working closely with all of the area pharmacies to determine the long term feasibility of our current medication restocking program as well as variations of the existing program to meet the burdensome reporting requirements of the DSCSA. Unfortunately due the constraints of the DSCSA, the regional hospital medication restock program will be discontinued later this year.

The regional hospital pharmacies have agreed to the following transition plan:

1. All hospitals will continue to provide controlled substances to agencies under existing agreements with any modifications to that process as needed to meet the requirements of the DSCSA.
2. All hospitals will limit EMS medication station access on July 15, 2016 to two representatives from each EMS agency in order to assure accurate tracking of medications. As of July 15, 2016, only the ALS Chiefs listed below will have access to the medications stations. The agency's ALS Chief may designate one additional representative and/or relinquish their access to another paramedic designee.
3. All hospitals will end ALL medication station access October 31, 2016. This allows for adequate time for EMS agencies to establish reliable supply chains, make necessary budget adjustments, identify any alternative purchasing programs, as well as transition to the medication formulary associated with the Collaborative Protocols to be released this fall.

Attached are the current minimum ALS medication requirements for ALS units in the Monroe-Livingston region. As we transition to the Collaborative Protocols an updated formulary will be distributed later this year.

All agency ALS Chiefs should confirm receipt of this advisory by emailing mlrems@mlrems.org immediately. In the email please confirm the names and email addresses of the two designees from your agency. With any questions, please do not hesitate to contact our office.

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ALS Agency	Agency Representative
Avon Ambulance	Rick Race
Barnard Fire/Rescue	Jason Howard
Brighton Ambulance	Elizabeth Foos
Brockport	Alex Dewald
Chili	Melissa Onderdonk
Gates	Tangela Thompson
Genesee Valley ALS	Donna Bailey
Greece	Matt Rudow
Henrietta Ambulance	John Lents
Honeoye Falls-Mendon Ambulance	Brad Feinstein
Irondequoit Ambulance	Vickie Saporito
Livingston County EMS	Rommel Kirchoff
Livonia Ambulance	Ed Sparks
Monroe	Mike Bove
Northeast Quadrant ALS	Jerry Fedele
Rural/Metro	Chris Gray
Southeast Quadrant	Julie Jordan

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MLREMS Medication Formulary Through October 31, 2016

ALS Medications

Medication	Route	Desired Unit	Minimum Number per ALS Unit
Adenosine	IV, IO	6 mg	5
Albuterol	Nebulized	2.5 mg	6
Amiodarone	IV, IO	150 mg	3
Aspirin	PO	81 mg	8
Atropine	IV, IO	1 mg	2
Ipratropium	Nebulized	0.5 mg	3 [†]
Calcium Chloride	IV, IO	1 gram	1
Dextrose 50% Water	IV, IO	25 gram	1*
Dextrose 25% Water	IV, IO	2.5 gram	1*
Diltiazem	IV, IO	25 mg	1
Diphenhydramine	IV, IO	50 mg	1
Epinephrine 1:1,000 (1mg/mL)	IM	30 mg	1
Epinephrine 1:10,000 (0.1mg/mL)	IV, IO	1 mg	6
Glucagon	IM	1 mg	1
Glucose, oral	PO	Varies	1
Lidocaine 2%	IV, IO	100 mg	1
Magnesium	IV, IO	5 grams	2
Methylprednisolone	IV, IO	125 mg	1
Metoprolol	IV, IO	5 mg	3
Naloxone	IM, IV, IO, IN	2 mg	2
Nitroglycerin	SL	0.4 mg	1 vial
Norepinephrine	IV, IO	4 mg	1
Ondansetron	IM, IV, IO	4 mg	2
Procainamide	IV, IO	1 gram	1 [#]
Promethazine	IM, IV, IO	25 mg	1 [#]
Sodium Bicarbonate	IV, IO	50 mEq	2

Agencies/ALS units may stock more than the minimum number per ALS unit expected in this document. Total stock per ALS unit should be determined in concert with the Agency Medical Director.

[†] A combination unit dose (such as DuoNeb[®]) may be carried in place of ipratropium (Atrovent)

* D50 and D25 may be substituted by D10W

[#] These medications are being discontinued from the formulary effective November 1 and although may be used under existing MLREMS protocols, it may be discontinued voluntarily prior to November 1 as existing stock is used/expired.

MLREMS Medication Formulary Through October 31, 2016

Controlled Substances

Medication	Route	Desired Unit
Fentanyl	IM, IV, IN	100 mcg
Morphine	IM, IV	10 mg
Midazolam	IM, IV, IN	5 mg

Controlled substances are required of all ALS agencies in the Monroe Livingston Region. All ALS agencies must carry midazolam and must carry at a minimum either morphine or fentanyl for narcotic analgesia. The decision to carry morphine, fentanyl, or both is determined by the Agency and its Medical Director. Minimum and maximum quantities are determined by the ALS Agency and its Medical Director consistent with Bureau of EMS and Bureau of Narcotic Enforcement policy.

Rapid Sequence Intubation (Optional)

Medication	Route	Desired Unit	Minimum Number per RSI Unit
Etomidate	IV	40 mg	2
Succinylcholine	IV	200 mg	2
Rocuronium	IV	100 mg	1
Ketamine*	IM, IV,	500 mg	2

RSI is not required of ALS Agencies in the Monroe Livingston Region.

*Ketamine remains an optional medication for RSI agencies and providers only.

FACSIMILE TRANSMITTAL FORM

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Monroe/Livingston Emergency Medical Services System EMS Agency Expired ALS Medication Restocking Form For Use Until October 31, 2016

Request Date: _____

Agency: _____

Agency Contact: _____

Contact Phone #: _____

To:	(Resource) Pharmacy	Pharmacy Fax	From:	EMS Agency	Agency Representative
	Noyes	335 4314		Livingston County EMS	Rommel Kirchoff
	Noyes	335 4314		Livonia	Ed Sparks
	Rochester General	922 3730		Irondequoit	Vickie Saporito
	Rochester General	922 3730		Northeast Quadrant	Jerry Fedele
	Rochester General	922 3730		Rural/Metro	Chris Gray
	URMC – Strong	473 9842		Avon	Rick Race
	URMC – Strong	473 9842		Brighton	Elizabeth Foos
	URMC – Strong	473 9842		Genesee Valley ALS	Donna Bailey
	URMC – Strong	473 9842		Henrietta	John Lents
	URMC – Strong	473 9842		Honeoye Falls	Brad Feinstein
	URMC – Strong	473 9842		Monroe	Mike Bove
	URMC – Strong	473 9842		Southeast Quadrant	Julie Jordan
	Unity	723 7848		Barnard Fire/Rescue	Jason Howard
	Unity	723 7848		Gates	Tangela Thompson
	Unity	723 7848		Greece	Matt Rudow
	Unity	723 7848		Brockport	Alex Dewald
	Unity	723 7848		Chili	Melissa Onderdonk

Agency Expired ALS Medication Replacement Form

The medications listed below are items identified in the Monroe/Livingston Standards of Care for the treatment of Adult and Pediatric Patients. These items are provided for replacement by participating hospitals in the region.

An ALS agency will use the "Agency Expired ALS Medication Restocking Form" in order to obtain replacement medications for those that have expired. This form should be faxed to the agency's designated resource hospital pharmacy. The drugs to be restocked will be available from the resource hospital pharmacy after two business days. The Monroe-Livingston Program Agency will maintain this form and post a listing of designated agencies and resource hospitals at www.mlrems.org.

The drug that is expiring must be returned at the time the replacement is received.

Generic Name	Trade Name	Desired Unit	Expired Returned	Amount Requested
Adenosine	Adenocard	6 mg Preloaded Syringe		
Albuterol Sulfate 0.083%	Albuterol	2.5 mg/3ml Solution for Inhalation		
Amiodarone HCL	Cordarone	150 mg Vial		
Aspirin	Aspirin	81 mg Tablet, chewable		
Atropine Sulfate	Atropine Sulfate	1 mg Preloaded Syringe		
Calcium Chloride 10%	Calcium Chloride 10%	1 gm Preloaded Syringe		
Dextrose 25%	Dextrose 25%	2.5 gm Preloaded Syringe		
Dextrose 50%	Dextrose 50%	25 gm Preloaded Syringe		
Diphenhydramine	Benadryl	50 mg Vial		
Epinephrine 1:1000	Epinephrine 1:1000	30 mg Multidose Vial		
Epinephrine 1:10,000	Epinephrine 1:10,000	1 mg Preloaded Syringe		
Glucagon	Glucagon	1 mg Kit		
Ipratropium Bromide 0.02%	Atrovent	0.5 mg/2.5 ml Solution for Inhalation		
Lidocaine	Lidocaine	100 mg Preloaded Syringe		
Magnesium Sulfate 50%	Magnesium Sulfate 50%	5 gm Vial		
Metoprolol Tartrate	Metoprolol	5 mg Vial		
Naloxone Hydrochloride	Narcan	2 mg Preloaded Syringe		
Nitroglycerin 0.4 mg	Nitroglycerin	0.4 mg Tablet Multidose Bt. (25)		
Norepinephrine 4 mg	Levophed	4 mg Vial		
Ondansetron	Zofran	4 mg / 2 ml Vial		
Sodium Bicarbonate 8.4%	Sodium Bicarbonate 8.4%	50 mEq Preloaded Syringe		