

**REGION 11 CHICAGO EMS SYSTEM  
REQUIRED DRUG, EQUIPMENT AND SUPPLY (DES) INVENTORY**



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**ALL EXCHANGE ITEMS MUST BE IMMEDIATELY AVAILABLE TO THE EMERGENCY CARE PERSONNEL SO AS NOT TO DELAY THEIR RETURN TO SERVICE.**

**APPROVAL OF SIMILAR TYPE EQUIPMENT MUST BE MADE BY THE EMS MEDICAL DIRECTORS CONSORTIUM**

The following items must be made available to the emergency care personnel for use and exchange in the event a patient with a suspected communicable disease had been transported:

- \* Cleaning detergent -- low sudding, neutral pH
- \* Disinfectant solution in compliance with OSHA Standards

The number in the "No. of items" column indicates the minimum quantity of the drug, supply or exchange equipment that must be carried on each Ambulance in Region 11.

"X"s in the indicated columns convey the following meanings:

**HOSPITAL**: It is the responsibility of the Participating Hospital to replace the drug, supply or exchange the equipment item as indicated.

**PROVIDER - Private**: It is the responsibility of the Provider to replace the drug, supply or exchange the equipment item indicated.

**Provider - CFD**: This piece of equipment is unique to the Chicago Fire Department. The CFD is the only provider in the system required to have this drug, supply or piece of equipment in their inventory. The CFD is responsible for the replacement of this item.

**CONTROLLED SUBSTANCE**: These drugs are controlled substances.

**REGION 11 CHICAGO EMS SYSTEM MASTER DES LIST: HOSPITAL, PROVIDER, and CFD**

**Approved: EMS Medical Directors Consortium**

**Effective: October 20, 2020**

No. of Items	Hospital Replacement	Provider - Private Replacement	Provider - CFD Replacement	BLS	ALS	Controlled Substance
3	X				X	
3	X			X	X	
3	X				X	
6	X			X	X	
3	X				X	
1	X				X	
1	X				X	
2	X				X	
2						
	X			X		
	X			X		
	X			X		
	X			X		
	X			X		
	X			X		
		X		X		
		X		X		
3	X				X	
6	X				X	
1	X				X	X
1	X				X	
3	X			X	X	
2	X				X	X
1	X				X	
1	X				X	
2	X			X	X	
1	X				X	
1	X			X	X	
2	X				X	
3	X				X	

**MEDICATIONS**

- Adenosine, 6mg / 2ml, Injectable, Preload or Vial
- Albuterol, 0.083%, 2.5mg / 3ml, for Inhalation
- Amiodarone, 150mg / 3ml, Vial
- Aspirin, 81mg, Chewable, Individual Dosage
- Atropine Sulfate, 1mg / 10ml, Injectable, Preload
- Calcium Chloride, 10%, 1 Gram / 10ml, Injectable, Preload
- Dextrose, 10%, (Adult and Pediatric), 25 grams / 250ml water OR 50 grams / 500ml water
- Diphenhydramine HCl, (Benadryl), 50mg / 1ml, Vial
- Region 11 Approved EPI Kit (containing at minimum):
  - 2 - Epinephrine 1:1,000 (1.0 mg/ml), Ampule or Vial
  - 2 - 23 Gauge needle (1 inch)
  - 2 - Syringes, 1ml
  - 2 - Alcohol wipes
  - 2 - Packages of 2X2 gauze bandages
  - 2 - Band-Aids
  - 1 - Measuring device
  - 1 - Pouch or small bag/container to hold kit contents
- Epinephrine 1:1,000 (1.0 mg/ml), Ampule or Vial
- Epinephrine 1:10,000 (0.1mg /ml), Injectable, Preload
- Fentanyl, 100 mcg / 2ml, Vial
- Glucagon, 1mg Solvent with 1ml Solute (Kit Only), Such as GlucaGen
- Ipratropium bromide (Atrovent), 0.5mg / 3ml, for Inhalation
- Midazolam (Versed) 10mg / 2ml, Vial
- Ondansetron (Zofran), 4mg / 2ml, Injectable
- Ondansetron (Zofran), 4mg, Oral Disintegrating Tablet (ODT)
- Naloxone (Narcan), 2mg / 2ml, Preload Syringe or Vial
- Nitroglycerin, 0.4mg, ( 1 / 150gr), Smallest Bottle
- Oral Glucose Gel, Single Dose, Such as; Glutose 15, Net Wt. of Gel 37.5 Grams
- Sodium Bicarbonate, Adult, 50mEq / 50ml, Injectable, Preload
- Sterile Water or Normal Saline for Injection, 10ml, Vial

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**Approved: EMS Medical Directors Consortium**

**Effective: October 20, 2020**

No. of Items	Hospital Replacement	Provider - Private Replacement	Provider - CFD Replacement	BLS	ALS	Controlled Substance
2	X				X	X
1	X				X	X

**MEDICATIONS (CONTINUED)**

**ALTERNATIVE MEDICATIONS USED DURING SHORTAGES**

Lorazepam (Ativan), 2mg / 1ml, Vial

Morphine Sulfate, 10mg / 10ml, Injectable, Preload or 10mg / 1ml, Injectable, Carpuject (SEALED)

**AIRWAY & VENTILATION EQUIPMENT**

**AIRWAY MANAGEMENT**

2	X			X	X	# 5 (# 100) Oropharyngeal Airway (Adult large)
4	X			X	X	# 4 (# 90) Oropharyngeal Airway (Adult medium)
4	X			X	X	# 3 (# 80) Oropharyngeal Airway (Child large)
2	X			X	X	# 2 (# 70) Oropharyngeal Airway (Child regular)
2	X			X	X	# 1 (# 60) Oropharyngeal Airway (Child small)
2	X			X	X	# 0 (# 50) Oropharyngeal Airway (Child small)
2	X			X	X	# 00 (# 40) Oropharyngeal Airway (Infant/Neonate)
2	X			X	X	# 000 (# 30) Oropharyngeal Airway (Infant/Neonate)
1	X			X	X	# 34 French Nasopharyngeal Airway (Adult)
1	X			X	X	# 32 French Nasopharyngeal Airway (Adult)
1	X			X	X	# 30 French Nasopharyngeal Airway (Adult)
1	X			X	X	# 28 French Nasopharyngeal Airway (Adult)
1	X			X	X	#26 French Nasopharyngeal Airway (Adult)
1	X			X	X	#24 French Nasopharyngeal Airway (Adult)
1	X			X	X	#22 French Nasopharyngeal Airway (Adult)
1	X			X	X	#20 French Nasopharyngeal Airway (Adult)
1	X			X	X	#18 French Nasopharyngeal Airway (Adult)
1	X			X	X	#16 French Nasopharyngeal Airway (Adult)
1	X			X	X	#14 French Nasopharyngeal Airway (Adult)
1	X			X	X	# 12 French Nasopharyngeal Airway (Pediatric)
1	X			X	X	i-gel Surpraglottic Airway, Size 1.5 (Infant)
1	X			X	X	i-gel Surpraglottic Airway, Size 2 (Pediatric - Small)
1	X			X	X	i-gel Surpraglottic Airway, Size 2.5 (Pediatric - Large)
1	X			X	X	i-gel Surpraglottic Airway Resus Pack, Size 3 (Adult - Small)

No. of Items	Hospital Replacement	Provider - Private Replacement	Provider - CFD Replacement	BLS	ALS
1	X			X	X
1	X			X	X
4	X			X	X
1		X	X		X
1		X	X		X
1	X				X

### AIRWAY & VENTILATION EQUIPMENT (CONTINUED)

#### AIRWAY MANAGEMENT (CONTINUED)

- i-gel Surpraglottic Airway Resus Pack, Size 4 (Adult - Medium)
- i-gel Surpraglottic Airway Resus Pack, Size 5 (Adult - Large)
- Water based lubricant (single packet)
- Magill Forceps, Adult
- Magill Forceps, Pediatric
- Cricothyrotomy Kit (**Containing**):
  - 2 10-gauge catheter-over-the-needle device (3 inches)
  - 2 14-gauge catheter-over-the-needle-device (2 1/4 inch and/or 2 inch)
  - 2 3.5 mm Endotracheal Tube or 3.5mm Nibs (Rusch Plastic Connector , 15mm , # 501003035)
  - 2 3.0 mm Endotracheal Tubes or 3.0mm Nibs (Rusch Plastic Connector , 15mm, # 501003030)

#### INTUBATION

2	X				X	3.0 mm Sterile Endotracheal Tube, Prepackaged with Stylet
2	X				X	3.5 mm Sterile Endotracheal Tube, Prepackaged with Stylet
2	X				X	4.0 mm or 4.5 mm Sterile Endotracheal Tube, Prepackaged with Stylet
2	X				X	5.0 mm or 5.5 mm Sterile Endotracheal Tube, Prepackaged with Stylet
2	X				X	6.0 mm or 6.5 mm Sterile Endotracheal Tube, Prepackaged with Stylet
2	X				X	7.0 mm or 7.5 mm Sterile Endotracheal Tube, Prepackaged with Stylet
2	X				X	8.0 mm or 8.5 mm Sterile Endotracheal Tube, Prepackaged with Stylet
1	X				X	Stylet, Adult
1	X				X	Stylet, Pediatric
2	X				X	Airway Tube Holder
1		X	X		X	Laryngoscope Handle
2		X	X		X	Batteries for Laryngoscope Handle (Alkaline Type)
1		X	X		X	# 0 Straight Laryngoscope Blade with Bulb
1		X	X		X	# 1 Straight Laryngoscope Blade with Bulb
1		X	X		X	# 2 Straight Laryngoscope Blade with Bulb
1		X	X		X	# 3 Straight Laryngoscope Blade with Bulb
1		X	X		X	# 3 Curved Laryngoscope Blade with Bulb
1		X	X		X	Grandview Laryngoscope Blade, Adult
2		X	X		X	Bulbs, Laryngoscope Blade, Spares (1 for each size: large and small)

No. of Items	Hospital Replacement	Provider - Private Replacement	Provider - CFD Replacement	BLS	ALS
3	X			X	X
3	X			X	X
2	X			X	X
2	X			X	X
1	X			X	X
2	X			X	X
2	X			X	X

**AIRWAY & VENTILATION EQUIPMENT (CONTINUED)**

**OXYGEN ADMINISTRATION**

Nasal Cannula, Adult  
 Nasal Cannula, Pediatric  
 Non-Rebreather Mask, Adult  
 Non-Rebreather Mask, Pediatric  
 Face Mask, Infant  
 Face Mask, Pediatric  
 Face Mask, Adult

**OXYGEN EQUIPMENT**

1		X	X	X	X	Oxygen Cylinder "H", "K" or "M" Size
4		X	X	X	X	Oxygen Cylinders "D" or "E" Size
2		X	X	X	X	"O" Ring for "D" Tank
1		X	X	X	X	Oxygen Tubing Adaptor
2		X	X	X	X	Oxygen Tank Wrenches
1		X	X	X	X	Wall Mounted Flow Meter and Humidifier

**VENTILATION**

2	X			X	X	Bag-Valve-Mask Device, Adult, with Reservoir and Clear Type Mask, Disposable
2	X			X	X	Bag-Valve-Mask Device, Child, with Reservoir and Clear Type Mask, Disposable
1	X			X	X	Bag-Valve-Mask Device, Neonatal, with Reservoir and Clear Type Mask, Disposable
2	X				X	CPAP Mask - Flow Safe II EZ Deluxe (Adult)
2		X	X	X	X	Viral/Bacterial Filter (22 mm X 15mm / 22 mm OD)

**SUCTION**

2	X			X	X	# 6 French Suction Catheter
2	X			X	X	# 8 French Suction Catheter
2	X			X	X	# 10 French Suction Catheter
2	X			X	X	# 12 French Suction Catheter
2	X			X	X	# 14 French Suction Catheter
2	X			X	X	#16 French Suction Catheter

No. of Items	Hospital Replacement	Provider - Private Replacement	Provider - CFD Replacement	BLS	ALS
2	X			X	X
2	X			X	X
2	X			X	X
3		X	X	X	X
1		X	X	X	X
1		X	X	X	X

**AIRWAY & VENTILATION EQUIPMENT (CONTINUED)**

**SUCTION (CONTINUED)**

- #18 French Suction Catheter
- Semi-rigid Pharyngeal Suction Tips (Yankauer)
- Suction Connecting Tubing
- Suction Cannisters, 1000 ml (or Larger)
- Portable Suction Unit
- On Board, Mounted Suction Device

**ASSESSMENT EQUIPMENT**

**BLOOD PRESSURE**

1		X	X	X	X
1		X	X	X	X
1		X	X	X	X
1		X	X	X	X
2		X	X	X	X
1		X	X	X	X

- Blood Pressure Cuff, Adult
- Blood Pressure Cuff, Child
- Blood Pressure Cuff, Infant
- Blood Pressure Cuff, Bariatric or Thigh
- Stethoscopes
- Sphygmonanometer, Wall Mounted or Portable

**CARDIAC**

1		X	X		X
1		X	X	X	X
1		X	X		X
2		X			X
1	X				X
4	X				X
2	X				X
2	X				X
2		X			X
2		X			X
2	X			X	X

- Cardiac Monitor / Defibrillator with Spare Battery
- AED with Adult and Pediatric Pads
- Patient Cables: 4 lead and 12 lead
- Rolls of ECG Paper
- Electrodes, Monitoring, Adult, Box (10 Minimum)
- Electrodes, Monitoring, Pediatric, Set of 3
- Physio Control Quik-Combo Pacing/Defibrillation/ECG Electrodes (Adult) - CFD
- Physio Control Quik-Combo Pacing/Defibrillation/ECG Electrodes (Pediatric) - CFD
- Zoll Electrode Pads (Adult) - Private Provider
- Zoll Electrode Pads (Pediatric) - Private Provider
- Disposable Razor

No. of Items	Hospital Replacement	Provider - Private Replacement	Provider - CFD Replacement	BLS	ALS
1		X	X	X	X
1		X	X	X	X
1		X	X	X	X
6	X				X
1		X	X		X
2	X				X
2		X			X

### ASSESSMENT EQUIPMENT (CONTINUED)

**OTHER**

- Penlights
- Glucometer with lancets, alcohol swabs, test strips, band-aids
- Portable Pulse Oximeter
- Masimo Neonatal/Adult Pulse Oximeter Adhesive Sensor
- CO Reusable Sensor
- End-Tidal CO2 Filter Line Sets, Disposable, Medtronic / Physio Control # 11996-000081
- End-Tidal CO2 Airway Adapter Kit, Zoll

### TRAUMA EQUIPMENT

**DRESSINGS**

2	X			X	X	Elastic Bandages, 4" (ACE Wrap)
2	X			X	X	Elastic Bandages, 6" (ACE Wrap)
1			X	X	X	Hyfin Vented Chest Seal - twin pack
10	X			X	X	Rolls of Kerlix, Gauze Dressing
3	X			X	X	Boxes or Tubs, Sterile Gauze Pads, 4" x 4"
6	X			X	X	ABD Dressings, 5" x 9"
2	X			X	X	Vaseline Gauze, 4" x 6" or 3" x 9"
6	X			X	X	Trauma Dressing Packs, 10" x 30" (Minimum required)
2		X	X	X	X	Burn Sheets (individually wrapped)
2	X			X	X	Adhesive Tape Roll, 1"
2	X			X	X	Adhesive Tape Roll, 2"

**HEMORRHAGE CONTROL**

2			X	X	X	Pressure Dressing - Emergency (Israeli) Bandage, 6"
2			X	X	X	Pressure Dressing - Emergency Trauma Dressing (ETD), 4"
2	X			X	X	Tourniquet - CAT
2			X	X	X	Quickclot EMS Rolled Gauze Hemostatic Dressing or Combat Gauze



No. of Items	Hospital Replacement	Provider - Private Replacement	Provider - CFD Replacement	BLS	ALS
1	X			X	X
1	X			X	X
2		X	X	X	X
2		X	X	X	X
2	X			X	X

## TRAUMA EQUIPMENT (CONTINUED)

### SPLINTING

Leg Traction Device, Adult Size, (Hare or Approved Similar Device)  
 Leg Traction Device, Pediatric Size, (Hare or Approved Similar Device)  
 Extremity Splints (adult long and short)  
 Extremity Splints (pediatric long and short)  
 Triangle Bandage or Arm Slings

2	X			X	X
2		X	X	X	X
2				X	X
2	X			X	X
2	X			X	X
1	X			X	X
2	X			X	X
1	X			X	X

### EXTRICATION

Full Back Board  
 9' Straps for Full Back Board  
 Spider Straps (or Similar Device)  
 Cervical Collar, Adult, Adjustable (either StifNeck Select by Laerdal, Ambu or Other Approved Device)  
 Cervical Collar, Pediatric, (either StifNeck, Ambu or Other Approved Device)  
 Cervical Collar, Baby, (if Pediatric Collars are Non-Adjustable or Other Approved Device)  
 Blanket Rolls or Approved Disposable Head Immobilizers, Such as; Ferno HeadHugger 455  
 KED Device, Straps, Case

2000ml	X			X	X
1		X	X	X	X
1		X	X	X	X
2	X			X	X
2	X				X

### OTHER

0.9% NaCl, (Normal Saline) for Irrigation, Plastic Pour Bottle, 500ml or 1,000ml Size to Equal a Total of 2,000ml  
 Trauma Shears  
 Triage Tags, (Disaster Tags), SMART, Package  
 ARS (Air Release System) Kit or 14 gauge X 3.25" angiocatheter  
 16 - 18 gauge X 1.5 - 2" , Catheter-Over-Needle Device (pediatric)

## MEDICATION ADMINISTRATION

### INTRAVENEOUS

4	X				X
4	X				X
4	X				X
4	X				X

0.9% NaCl, Normal Saline, 1000 ml, (I.V. Plastic Bag)  
 I.V. Tubing, Regular Drip, 10 qts/ml, (Multiple Hub: Needless and Split Septum)  
 14 Gauge, Catheter-Over-Needle Device, 1 - 2 inches  
 16 Gauge, Catheter-Over-Needle Device, 1 - 2 inches

No. of Items	Hospital Replacement	Provider - Private Replacement	Provider - CFD Replacement	BLS	ALS
4	X				X
4	X				X
4	X				X
4	X				X
5	X				X
2	X				X
5	X				X
5	X				X
2	X				X
6	X				X
3	X				X
2	X				X
2	X				X
1	X			X	X
1	X				X
1	X			X	X
10	X				X
2		X	X	X	X

**MEDICATION ADMINISTRATION (CONTINUED)**

**INTRAVENOUS (CONTINUED)**

- 18 Gauge, Catheter-Over-Needle Device, 1 - 2 inches
- 20 Gauge, Catheter-Over-Needle Device, 1 - 2 inches
- 22 Gauge, Catheter-Over-Needle Device, 1 - 2 inches
- 24 Gauge, Catheter-Over-Needle Device, 1 - 2 inches
- Saline Locks
- Needleless Hub Device
- Needles, 18 Gauge x 1½"
- Needles, 25 Gauge x ⅝"
- Syringes, Tuberculine, 1 ml
- Syringes, 3ml
- Syringes, 10 ml
- Padded Armboards
- Tourniquets
- Box of Alcohol Prep Pads, Disposable
- Box of Betadine Prep Pads, Disposable
- Box of Band-Aids, 1 " Width
- I.V. Dressing (Tegaderm or Similar Type)
- I.V. Holders or Hooks, Such as: Ceiling Mounted or Perko Clips

**INTRAOSSEOUS**

1	X				X
1			X		X
2	X				X

- 15 Gauge, Intraosseous Needle, Sherwood or Jam Shidi
- EZ - IO Driver
- EZ - IO Needles, Blue

**OTHER**

2	X			X	X
2	X			X	X
2	X				X
2	X				X
1	X				X

- Mucosal Atomization Device (MAD)
- Nebulizer (Acorn Type) with Tee Adapter, Oxygen Tubing, Mouthpiece and Flextube
- Adapter for Nebulization, 22 mm to 14 mm I.D., Allegiance # 001824
- Adapter for Nebulization, 22 mm to 22 mm I.D., Allegiance # 001821
- Buretrol Infusion Set

No. of Items	Hospital Replacement	Provider - Private Replacement	Provider - CFD Replacement	BLS	ALS
2	X			X	X
1	X			X	X
1	X			X	X
1	X			X	X
1	X			X	X
1		X	X		X
1		X	X		X
1		X	X	X	X

**OBSTETRIC / PEDIATRIC EQUIPMENT**

- O.B. Kit, Sterile, Disposable
- Cap, (Stockinette) for Newborn Infant
- Gloves, Sterile, Pair, Size 7 or 7.5
- Gloves, Sterile, Pair, Size 8 or 8.5
- Silver Swaddler (or) Baby Bunting
- Region 11 EMS Pediatric Resuscitation Chart
- Broselow Tape (current version - 2019)
- Pediatric Stethoscope

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

1	X		X	X	X
2	X		X	X	X
3	X		X	X	X
10	X		X	X	X
2		X	X	X	X

- Gloves, Non-Sterile, Disposable, Box
- Isolation Gowns, Long Sleeve
- N-95 Masks, NIOSH Approved
- Face Mask (Surgical), Disposable
- Safety Glasses, Splash Protective (or) Goggles

**INFECTION CONTROL EQUIPMENT**

5	X			X	X
1		X	X	X	X
1		X	X	X	X
1		X	X	X	X
1	X			X	X

- BioHazard Bags, Red, Plastic Bags, (Isolation) 10 Gallon Size Minimum
- Paper Towels, Roll or Package of C-Fold Type
- Sharps Container, Puncture Resistant, for Needle Syringe Disposal
- Hand Sanitizer
- Topical Germicide, Bottle

**PATIENT TRANSPORT EQUIPMENT**

1		X	X	X	X
1		X	X	X	X
1		X	X	X	X
1		X	X	X	X
1		X	X	X	X
6	X			X	X

- Patient Stretcher, Multi-Position, Including Manufacture Required Safety Restraints (Such as Ferno-Washing or Other Approved Device)
- Stretcher Mattress
- Chair Stretcher, Including Manufacture Required Safety Restraints
- Scoop Stretcher, Including Manufacture Required Safety Restraints
- Car Seat or Pedi-Mate Pediatric Restraint System
- Cot Sheets

No. of Items	Hospital Replacement	Provider - Private Replacement	Provider - CFD Replacement	BLS	ALS
2	X			X	X
4		X	X	X	X

Blankets  
Limb Restraints, Soft

### PATIENT TRANSPORT EQUIPMENT (CONTINUED)

1		X	X	X	X
1		X	X	X	X
1		X	X	X	X
10		X	X	X	X
1		X	X	X	X

Ambulance to Hospital Telemetry Radio  
Cellular Telephone  
Electronic Patient Care Report Documentation Device  
Paper Documentation Back-Up (Region 11 EMS approved form)  
UHF Portable Radio with Carrying Case and Remote Speaker / Microphone

### COMMUNICATION EQUIPMENT

1		X	X	X	X
6	X			X	X
6	X			X	X
1	X			X	X
2		X	X	X	X
1		X	X	X	X
6	X			X	X
1		X	X	X	X
1		X	X	X	X
1		X	X	X	X
1		X	X	X	X
1		X	X	X	X
1		X	X	X	X
1		X	X	X	X

Body Bag, Disposable  
Cold Packs  
Convenience Bags (or) 1 Urinal and 5 Emesis Basin  
Facial Tissue, Box  
Fire Extinguishers (5 lbs)  
Flashlight w/Batteries  
Hot Packs  
Quick Response Bag  
Sign / Sticker, IDPH "Complaint Hotline"  
Sign / Sticker, "Illinois Poison Center"  
Sign / Sticker, "No Smoking"  
Sign / Sticker, "Seat Belt Required"  
Region 11 EMS Protocols - Electronic Access  
Region 11 EMS Policies - Electronic Access

### OTHER EQUIPMENT