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<b>Code Cart</b>  Formulated: 10/78	<b>Effective:</b> 11/05/94 <b>Revised:</b> 02/17/2022 <b>Reviewed:</b> 02/17/2022

## Code Cart

**Purpose** To assure that an emergency supply cart containing appropriate drugs, supplies, and monitoring equipment used in the care and initial treatment of cardiopulmonary arrest victims are available and ready for use.

**Scope** Respiratory Care Services maintains, and stocks emergency supply carts covered by this policy.

**Indications** The cart is used for any medical event during which supplies are needed urgently.

**Goals** To ensure a stocked and functioning emergency cart.

**Equipment** See Appendix I for cart contents.

**Procedure**

Step	Action
1	Code cart contents: <ul style="list-style-type: none"> <li>• Designated staff will perform daily code cart checks and notify RCS if equipment is malfunctioning, the lock is broken, supplies are missing, or supplies are expiring/expired</li> <li>• The internal supplies are checked any time the cart is opened.</li> <li>• The cart contains medications supplied by Pharmacy.</li> <li>• The cart is stocked according to the list in Appendix I.</li> <li>• After the cart is checked and stocked, the security lock is attached.</li> </ul>
2	<ul style="list-style-type: none"> <li>• A legible signature and supply status is required on both the Pharmacy Drug Tray and Cart Content lists.</li> <li>• The expiration of the first item to expire should be displayed.</li> </ul>

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**Special Considerations**

- Used carts are to be made functional as soon as they are no longer needed.
- Usage as a supply cart leading to replacement of missing equipment may be at the expense of the nursing unit when a cart is found unsecured, and no patient event has been called.

**Safety Precautions**

When responding to a code, a backup cart is to be brought to the arrest site as quickly as possible.

**Appendix**

- Code Cart Equipment List. Appendix I
- Ambulatory Clinic Process for Code Cart Replacement. Appendix II
- Back-up battery power summary. Appendix III

**Infection Control**

- The code cart, defibrillator, drug tray and backboard will be wiped down with an approved hospital disinfectant according to manufacturer guidelines.
- Drug trays used on COVID positive patients will be bagged and designated as been used for COVID patient.

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**APPENDIX I - CART CONTENTS**

<p>(1) Portable suction with tubing (1) Oxygen E-cylinder (1) Defibrillator (1) Pack paper (1) Adult defib electrode (1) Pack of Adult ECG electrodes (1) Broselow tape (1) Backboard (Attached)</p> <ul style="list-style-type: none"> <li>• Clipboard with(4) Resuscitation Flow Sheet Adult</li> <li>• (4) Resuscitation Flow Sheet Pediatric</li> </ul> <p>RCS Policies/ Documentation:</p> <ul style="list-style-type: none"> <li>• 7.04.01 “Code Cart”</li> <li>• 7.04.02 “Code Cart Checking Procedure”</li> <li>• Daily code cart check form</li> </ul> <p>Stylets (one each):</p> <ul style="list-style-type: none"> <li>• Adult Stylet 14Fr</li> <li>• Pediatric Stylet 10 Fr</li> <li>• Pediatric Stylet 6Fr</li> </ul> <p>Endotracheal Tubes (one each):</p> <ul style="list-style-type: none"> <li>• 2.5 Uncuffed</li> <li>• 3.0 Uncuffed</li> <li>• 3.5 Uncuffed</li> <li>• 4.0 Uncuffed</li> <li>• 5.0 Uncuffed</li> <li>• 6.0 Cuffed</li> <li>• 7.0 Cuffed</li> <li>• 7.5 Cuffed</li> <li>• 8.0 Cuffed</li> </ul> <p>(1) Hemostat (packaged) (1) Laryngoscope Handle Laryngoscope Blades (one each):</p> <ul style="list-style-type: none"> <li>• Miller #0</li> <li>• Miller #1</li> <li>• Miller #2</li> <li>• Miller #4</li> <li>• MacIntosh #3</li> </ul> <p>Magill Forceps:</p> <ul style="list-style-type: none"> <li>• Magill Adult</li> <li>• Magill Pediatric</li> </ul> <p>Oral Airways (one each):</p> <ul style="list-style-type: none"> <li>• 60mm</li> <li>• 80mm</li> <li>• 90mm</li> <li>• 100mm</li> <li>• Tongue Blade/Bite Block</li> </ul> <p>Suction Catheters (one each):</p> <ul style="list-style-type: none"> <li>• 6.5Fr</li> <li>• 10Fr</li> <li>• 14Fr</li> <li>• Yankauer Tip Suction</li> </ul> <p>(1) Surgilube (1) Syringe 10cc (1) Trach Tie (4ft) (1) CO2 detector</p>	<p>(1) Adult Pulse Ox Probe (1) Pediatric Pulse Ox Probe (1) Pedi/Adult EtCO2 adapter Nasogastric tubes (one each):</p> <ul style="list-style-type: none"> <li>• 10Fr Replegle</li> <li>• 14Fr Salem sump</li> </ul> <p>(1) 60cc Catheter tip syringe (2) suction tubing (2) Surgilube (1) Universal connector (1) tape roll (1) Adult ECG electrode (2 sets) (1) Pediatric ECG electrode (2 sets) (2) Packs defib paper (1) O2 flowmeter with adapter (1) Peep Valve <b>Drawer #2</b> (3)Bicarbonate (2)Dextrose (12) alcohol prep pads Butterflies (two each):</p> <ul style="list-style-type: none"> <li>• 23Ga</li> <li>• 25Ga</li> </ul> <p>(1) tape roll IV Catheters (two each):</p> <ul style="list-style-type: none"> <li>• 24Ga</li> <li>• 22Ga</li> <li>• 20Ga</li> <li>• 18Ga</li> </ul> <p>(1) 16G Catheter Needles/Accessories:</p> <ul style="list-style-type: none"> <li>• (5) Blunt Fill Needles</li> <li>• (5) Interlock injection sites</li> <li>• (5) 18Ga Safety Needles</li> <li>• (10) 0.9 % Saline Flush Syringes</li> </ul> <p>(1) Scissors Syringes:</p> <ul style="list-style-type: none"> <li>• (3) 60cc Luer-Lok</li> <li>• (10) 10cc</li> <li>• (5) 3cc</li> <li>• (5) 1cc</li> </ul> <p>(2) Tourniquets (2) O2 supply connector IV tubing and Supplies:</p> <ul style="list-style-type: none"> <li>• (2) Extension set w/ proximal injection port</li> <li>• (2) Cholopreps</li> <li>• (4) Blood gas kits</li> <li>• (2) Buretrol</li> <li>• (1) IV blood set</li> <li>• (2) IV continu-flo solution set 10gtts/min</li> <li>• (1) Interlink extension sets</li> <li>• (1) I/O Driver</li> <li>• (1) Adult I/O 45 mm needle set</li> <li>• (1) Adult I/O 25mm needle set</li> <li>• (1) Pediatric I/O 15mm needle set</li> </ul>	<p>(1) Adult defib electrode (1) Pediatric defib electrode (5) gauze sponges 4X4 box Sphygmomanometer w/</p> <ul style="list-style-type: none"> <li>• Large cuff</li> <li>• Medium cuff</li> <li>• Small cuff</li> </ul> <p>(1) Box Large disposable gloves (4) Safety goggles (6) Surgical masks (1) Shave Kit (1) disposable stethoscope (2) Liter pressure bag <b>Bottom shelf:</b> (1) Adult ambu bag (1) Pediatric ambu bag Anesthesia face masks (one each):</p> <ul style="list-style-type: none"> <li>• Infant</li> <li>• Small</li> <li>• Medium</li> <li>• Large</li> </ul> <p>(1) ½ gal sharps disposal box (1) O2 supply tubing (1) adult cannula (1) O2 non-rebreathing mask (1) Pharmacy medication tray (2) 0.9% Sodium Chloride 1L (1) D5W 50cc (1) D5W 250cc <b>(1)D5W 100cc</b>(1) Dopamine 800mg/500ml (1) Pediatric Medications Pack (1) Code Drug Tray</p>
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**Appendix II – Health System Ambulatory Clinics: Process for Code Cart Replacement**

1. The clinical area will determine that a code cart needs to be replaced based on the following scenarios:
  - a. Cart contents are used on patient
  - b. Items/Drugs on Cart are out of date (**1 month prior to expiration**)
  - c. Notification must occur at least 6 weeks prior to cart expiring
2. The Nursing Supervisor/designee will contact Respiratory Care Services

After receiving notification Respiratory Care Services will send personnel to assess and update the cart

**Appendix III – Defibrillator Back-up battery power Summary**

**For areas using the Zoll R Series Defibrillator:**

R Series products use an easily replaced rechargeable lithium-ion battery pack (the ZOLL *SurePower* battery pack). A new, fully charged battery pack typically delivers more than 5 hours of ECG monitoring. Use of other functions (such as the defibrillator, printer, or pacemaker) reduces this time. When a *LOW BATTERY* message appears on the display and the unit emits two beeps in conjunction with the displayed message, the battery must be replaced and recharged. You can charge the battery by either of the following methods:

- Internal charging — plug the R Series into an AC power supply to automatically begin charging the installed battery pack. The front panel battery indicator operates as follows:

When the indicator is:	It mean:
Steady Yellow	Battery is Charging
Steady Green	Battery is Charged
Alternating Yellow and Green	No battery is installed or a battery charging fault has been detected
Not Lit	The defibrillator is not connected to AC Mains

**Note:** Upon power up, it takes approximately 45 seconds for the LEDs on the battery to accurately display run time.

- External charging — use the ZOLL *SurePower* Battery Charger to charge the battery pack and test the battery’s capacity. For details, refer to the *ZOLL SurePower defibrillator battery Operator’s Manual*.

**For areas using the Medtronic LifePack 20 Defibrillator:**

The Medtronic Lifepack 20 Defibrillator/Monitor is an AC line operated device with an internal battery as back-up.

- **AC powered:** 90-132 VAC 50/60Hz, 198-264 VAC 50/60 Hz
- **Internal Battery Backup:** NiMh. Batteries charge while the device operates from AC power.

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- Operating Time:** A new, fully charged internal backup battery will provide the following prior to shut down:

Operation on Internal Battery Backup		
	Total	After Low Battery
Monitoring (minutes)	120	5
Monitoring (minutes) without pulse oximetry	135	5
Defibrillation (360J Discharges)	90	3
Monitoring plus pacing (minutes @100ma, 60ppm)	70	2

- Typical Battery Charge Time:** <2 hours when device is powered off and AC power is applied.
- Low Battery Indication and Message:** When the device is unplugged from AC power, it switches to battery backup. When battery get low, the battery detection icon is indicated with a low battery message in the status area and a warning tone occurs.

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