

***ESO EMS &  
Memorial Healthcare System  
Health Data Exchange Program***

**Process and Procedures  
Document**

Version 1.0  
May 28, 2015



## Hospital Data Exchange Program Overview

---

ESO Solutions, Inc. has partnered with Memorial Healthcare System to provide a Hospital Data Exchange (HDE) solution that resolves two significant gaps in the information exchange process between EMS agencies and emergency departments:

- HDE automates the secure transfer of electronic EMS data to hospitals, providing both discreet data for patient matching and digital images of traditional runsheet information.
- HDE automates the return of electronic patient demographic, billing and outcome information back to EMS providers.

The patient outcome dataset includes the following types of information:

- Emergency department diagnoses, discharge and treatment information
- Hospital Admissions data including labs, vitals, and outcome at hospital discharge

This solution will improve patient care by enhancing collaboration between EMS agencies and Memorial hospitals and extending the continuum of care to patients receiving emergency care prior to arrival at a Memorial hospitals. This project requires that the patient account number (CSN Number) that Memorial hospitals assign upon admission, be added to the ePCR record prior to lock of that record. To speed this process and minimize the chance of data entry errors, Memorial hospitals have provided USB barcode scanners for EMS to use in the ER. This document describes the process for scanning the patient account number into each ePCR record.

## Process for scanning the Hospital Account Number / Patient Account Number

---

**Step 1:** Once transfer of care is complete, locate the USB barcode scanner that is mounted behind the charge nurse desk in Memorial ER.



| Location of Scanners in MHS EDs |                                          |
|---------------------------------|------------------------------------------|
| Hospital ED Name                | Scanner Location                         |
| Memorial Healthcare System      | Hanging up behind the charge nurse desk. |

**Step 2:** Attach the EMS Scanner to an open USB port on the left side of the laptop. *The first time the USB scanner is attached it may take up to 10 seconds for the drivers to install. This will only happen the first time the scanner is plugged in to your laptop.*



In the ESO ePCR, locate the Chart Number # field (indicated by the red oval) in the picture below) and place your cursor in that field.

The image is a screenshot of the ESO ePCR software interface. At the top, there is a navigation bar with icons for home, ePCR, and various action buttons (add, delete, save, lock). Below this is a menu bar with tabs: INCIDENT, PATIENT, VITALS, FLOW CHART, ASSESSMENT, NARRATIVE, SPECIALTY PATIENT, BILLING, SIGNATURES, and STUDIES. The 'INCIDENT' tab is currently selected. Underneath the menu bar is a sub-menu with icons and labels for different data entry sections: RESPONSE, SCENE, PERSONNEL, DISPOSITION, DESTINATION, TIMES, MILEAGE, ADDITIONAL, and NFIRS. The 'DESTINATION' section is active, displaying a form titled 'Destination'. The form is divided into two columns. The left column contains fields for Destination Type, Destination Name, Address 1, Address 2, City, State, County, ZIP, and Zone. The right column contains fields for Chart Number, Patient Number, Trauma Registry ID, and Run Number, followed by a 'Request for Review' checkbox. The 'Chart Number' field is highlighted with a red oval, as instructed in the text above.

|                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <br>MR 5008146 CSN 5000098180<br>Ems, Integration<br>MRH 4/20/1965 (50 yrs) M<br> | <br>MR 5008146 CSN 5000098180<br>Ems, Integration<br>MRH 4/20/1965 (50 yrs) M<br> |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|

Double check that the patient account number has been entered into the field – it will appear as an 11 digit number. Example - E1302992795

You have completed the process; continue documenting the transport as normal. Thank you for participating in this process.