

EMS/Trauma Integration

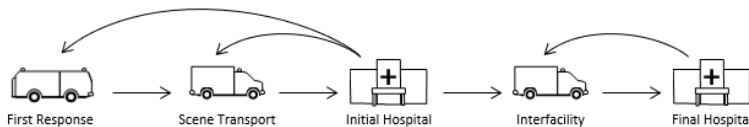
Oregon EMS Data Information System (OR-EMSIS)
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What is the EMS/Trauma integration?

The EMS/Trauma integration is a service supported by the State of Oregon to integrate patient data between the Oregon Trauma Registry (OTR) and the Oregon Emergency Medical System Information System (OR-EMSIS).

How does it work?

When EMS responds and transports a trauma patient to one or more trauma hospitals, the trauma registrar in each hospital begins a record in the Oregon Trauma Registry. After a few key pieces of information are entered (patient name, arrival date, date of birth, and sex), the trauma registrar can select an option to “Link” the trauma record with an available EMS record. Once a patient link is established, EMS patient care information automatically populates registry pre-hospital information. Upon completion of the registry record, hospital patient outcome information is then available for review by the EMS agency in the patient’s ePCR in OR-EMSIS.



Why is this linkage important for you?

Once a linkage is established at a trauma center, hospital outcome information automatically populates the specific patient care report in OR-EMSIS. Hospital outcome information (shared back from the registry) includes:

Emergency Department Disposition
Hospital Disposition
First ED Systolic Blood Pressure
Emergency Department Recorded Cause of Injury
Hospital Procedures
Hospital Diagnosis
Total ICU Length of Stay
Total Ventilator Days
Date/Time of Hospital Discharge

SUPPORT INTEGRATION WITH DOCUMENTATION

We’ve recently become aware of data quality issues (detailed below) that limit the functionality of this linkage.

Support robust integration of hospital and EMS patient care information by ensuring the following:

- Prioritize “finishing” records for trauma patients so that NEMSIS validation checks can be run – and the record is available promptly for registrars.
- Mark eSituation.02 (Possible Injury) as “Yes” for all patients meeting trauma center criteria.
- Thoroughly document injury details, trauma center criteria, EMS times, and vital signs (PR, RR, SBP, O2, GCS).
- Document Trauma Band number in eOutcome.04 (External Report ID/Number), with eOutcome.03 (Type) as “Patient ID.”

To learn more tips about patient care reporting, go to: healthoregon.org/OR-EMSIS