

## MEETING ABSTRACTS

### From 2 Hours to 2 Seconds: Using the Red Cross Red Crescent Health Information System (RCHIS) to Complete the Emergency Medical Teams - Minimum Data Set Reporting

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**Background/Introduction:** Standardization of data collection and reporting within EMTs is challenging. In past deployments, the Red Cross Red Crescent Type 1 and Type 2 facilities have collected data by hand using paper-based form and Excel spreadsheets. This process can be laborious, time-consuming, and often inaccurate.

**Objectives:** To combat this issue with reporting, RCHIS (Red Cross Red Crescent Health Information System) has been designed to ensure that reporting is accurate and also very easy

to complete, increasing compliance with the EMT-MDS reporting.

**Method/Description:** RCHIS is both an electronic medical record (EMR) and health information system (HIS). RCHIS has been designed to produce pre-made reports including the MDS in seconds, extracting data from the patient records. Through significant testing and pilot deployments in a domestic Type 1 fixed clinic, the rapid production of reports such as the MDS has increased compliance and accuracy with reporting.

**Results/Outcomes:** Overall, the utilization of an electronic medical system for increasing compliance and accuracy with the MDS has been hugely successful. An in-depth analysis of the export data was done to confirm the 100% accuracy within the MDS report.

**Conclusion:** The utilization of RCHIS within a domestic ERU (equivalent to an EMT Type 1 or Type 2) has been hugely successful. The next steps will involve the deployment of RCHIS within an international deployment.

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