

Humanitarian Medical Management using the Emergo Train System

INTRODUCTION

Mass casualty events in humanitarian crisis require trained personnel to manage complex care in challenging environments. Conflict-affected areas face resource shortages, health risks, mental health challenges, damaged infrastructure, and safety concerns for healthcare workers. To improve preparedness, an adapted training resource using the Emergo Train System (ETS) was developed in collaboration with the International Committee of the Red Cross (ICRC) and Region Östergötland. ETS, a simulation platform, enhances team capacity to manage mass casualty incidents in conflict settings.

AIM

Improve preparedness, capacity, and health care personnel safety in mass casualty events in humanitarian crisis.

METHODS

The module was iteratively designed based on ETS's validated processes and adapted for humanitarian contexts. It was tested with healthcare personnel in conflict areas, incorporating feedback from instructors to ensure relevance and usability.

Peter Berggren^{1,2}, Johan Hornwall¹, Roger Alcock³, William Clucas³

¹Region Östergötland, Sweden

²Linköping University, Sweden

³International Committee of the Red Cross, Switzerland



RESULTS

Used in Ukraine, Nigeria, Yemen, and Somalia, the module received positive feedback. It was considered relevant, easy to use, and valuable for capacity building. Participants improved triage skills, communication, and collaboration. The module was further refined with additional contextual elements such as road blocks, military vehicles, and tented structures.

CONCLUSION

The ETS-based module has proven effective in enhancing healthcare providers' readiness and competency in humanitarian settings. This collaboration highlights ETS's potential for capacity building and supports ICRC's mission to deliver healthcare in crisis situations.

Corresponding authors

peter.Berggren@regionostergotland.se
johan.hornwall@regionostergotland.se
ralcock@icrc.org
wclucas@icrc.org

