


MEETING ABSTRACTS**Development and Evaluation of E-Learning Tool for Humanitarian Public Health Training**

*Awsan Bahattab*¹ , *Omar Zain*², *Monica Linty*¹, *Ives Hubloue*³, *Francesco Della Corte*¹, *Luca Ragazzoni*¹

1. CRIMEDIM - Center for Research and Training in Disaster Medicine, Humanitarian Aid, and Global Health, Università del Piemonte Orientale, Novara, Italy
2. Public Health and Community Medicine Department, Faculty of Medicine and Health Sciences, University of Aden, Aden, Yemen
3. Research Group on Emergency and Disaster Medicine, Vrije Universiteit Brussel, Brussel, Belgium

Background/Introduction: The humanitarian health field has grown rapidly in the last decades. However, education and training programs are still limited in number, especially where it is needed most. Additionally, the cost of the training is too expensive for local humanitarian health respondents. If developed appropriately, E-Learning can potentially address these gaps.

Objectives: Develop an effective E-Learning tool for humanitarian public health training.

Method/Description: The tool was developed using an institutional-based, action research method. Rapid prototyping - a modified analysis, design, development, implementation, and evaluation (ADDIE) model - was used to identify the content

and instructional design. This iterative process involved consultations and feedback from public health and disaster medicine instructors and students at different levels and training programs. Different methods were used to collect and analyze data, such as literature and courses reviews, observation, interviews, and questionnaires.

Results/Outcomes: Four scenario-based E-Simulations - targeting entry-level humanitarian health professionals - were developed and piloted based on identified needs. Formative evaluation clarified training objectives and structure. Trainees were satisfied by the simulated scenario, interactivity, questions, and timely feedback. Poor internet was identified as a potential barrier to delivering the training in the humanitarian context.

Conclusion: Clear objectives and quality content are the prerequisites for training effectiveness. Yet, instructional design is a critical element that can enhance training effectiveness. The tool's offline mode is being adapted to improve access in poor internet connection settings. A summative evaluation will be conducted to measure the training's effectiveness. Furthermore, successful factors in instructional design will be used to inform the development of advanced training in the field.

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