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Development of a Risk Communication in Massive Open Online Course (MOOC) Module for Nurses: A Process Description
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Abstract
Risk communication is necessary for any emergency response to disseminate information and increase public risk perception. Although communication skills are a core competency of nurses, they are learned only during nursing studies and do not include risk communication skills, particularly in global health emergencies. Massive Open Online Course (MOOC) modules can help improve learners' critical-thinking, problem-solving and interpersonal skills. However, research has revealed that the MOOC module on risk communication for nurses has not been developed recently. This study created a module on risk communication in global health emergencies using the extended Massive Open Online Course (xMOOC) framework. The module was developed based on Thiagarajan and Semmel's (1974) 4D development model (i.e. Define, design, develop and disseminate). Due to time and financial constraints, however, the model was modified to have only three stages: define, design and develop. The validity of the produced xMOOC module was evaluated by six subject matter experts using evaluation checklists, and the results were analysed using two methods: the percentage calculation method (PCM) and the content validity index (CVI). The PCM scores for the module content and the xMOOC course design were 85.4% and 95.83%, respectively, and the CVI for the module content was 0.95, and for the xMOOC course design, 0.92. Both types of content validity tests showed that this xMOOC module had excellent content validity and could be used to improve risk communication knowledge and skills in future nursing educational programmes. Due to the implementation of this xMOOC module, the continuing nursing education programme has gained increased attractiveness as well as significance on a worldwide basis. © Malaysian Association of Education in Medicine and Health Sciences and Penerbit Universiti Sains Malaysia. 2024.

Author Keywords
Global health emergencies; MOOC module; Nurses; Risk communication

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