

Strategies for disaster risk reduction education: A systematic review

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Abstract:

INTRODUCTION: For many years, numerous researches and risk reduction activists have emphasized the importance of public awareness and education for disaster risk reduction (DRR). These needs, due to human natural manipulation, have increased. The present study was aimed to assess and determine the evidence on the strategies for education of DRR.

MATERIALS AND METHODS: This study was a systematic review of publications and gray literatures regarding to strategies for education of DRR conducted in December 2016. Fifteen articles and dissertations published during January 1, 2000 to December 31, 2016 were extracted through PubMed, Scopus, ProQuest, Web of Science, ScienceDirect, Ovid, Google Scholar, Scientific Information Database, Magiran, and Irandoc with the inclusion criteria of English and Persian language. Thematic analysis technique was used to analyze the articles.

RESULTS: The thematic analyses revealed eight major categories of DRR educational strategies such as raising knowledge, educational needs assessment, educational planning, educational approaches, educational content, educational tools, involved organizations, and educational learning barriers and challenges.

CONCLUSIONS: Most countries have launched DRR education activities, but these actions are not enough, and there are some gaps between what is it and what should be. More effective and efficient teaching and learning strategies are needed to increase the effectiveness of preparedness and DRR activities at all levels of community.

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Disaster management, disaster, education, qualitative study, risk management, risk reduction, strategy

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