

Prioritizing and Assessing of Telenursing in Incidents and Disaster

Abstract:

Background and Objectives: Unusual impacts of disasters on the normal living conditions pose challenges to the health system. A shortage of specialists such as physicians and nurses during a disaster is a challenge for healthcare systems. The use of technology is seen as a significant strategy for addressing the continually increasing demand for care. The study aimed to prioritizing and assessing the telenursing care during incidents and disasters.

Methods: the present mixed method study has been conducted in four stages: a) the systematic review and qualitative study was done to identify the telenursing care in disaster. The English and Persian international databases were searched. Also a semi-structured interview-based qualitative study using content analysis was done. b) the quantitative study was used to prioritizing the extracted care. c) The feasibility of telenursing care was tested in a maneuver. d) The identified nursing care was accredited by holding focused group discussion. The qualitative and quantitative analysis of data was by MAXQDA 10 and SPSS 21 respectively.

Results: We did not find any articles in the field of telenursing care during incidents. Telenursing in critical and supportive care was the main theme identified from data

analysis. This theme included six main and fifteen sub categories. The prioritizing extracted care included: (1) Management of trauma, (2) Technical skills, (3) Care and decision-making in stressful situations, (4) Management of patients with special needs, (5) Life-saving intervention, and (6) Psychological and emotional supports. Also, the possibility of providing care for traumatic patient was evaluated appropriate and experts agreed on the cares.

Conclusion: Telenursing care in incidents and disasters is a new and applicable topic in disaster management. According to the shortage of specialized nurses in disastrous areas, providing care in the form of telenursing leads to a quantitative and qualitative improvement of health services. Therefore, combining nursing cares with information and telecommunications technology to provide better health care is essential.



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