National Institute for Health Research Service Delivery and Organisation Programme

Bibliography of published literature scoped

Emergency Planning in Health: Scoping study of the international literature, local information resources and key stakeholders.

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Introduction

This document covers the published academic literature on emergency planning as identified by the scoping study (09/1005/03). It details the search strategy employed, as well as the sifting process by which 1,545 relevant articles were identified and subsequently collated into a database.

Also included in a separate section is a further list of 93 articles not identified by this study, but was identified in a separate NIHR SDO funded study on emergency planning research and development needs by Boyd et al (09/1005/01) that may be of relevance.¹

Methodology

The study team initially scoped the various topics likely to be relevant to emergency planning to be used as part of the literature search strategy. The majority of topics identified were derived from the United States Federal Emergency Management Agency (FEMA) Integrated Emergency Management System (IEMS) model. This model describes in greater definition broader thematic categories including hazard analysis, capability assessment, capability maintenance, and development plans, whilst overlapping with themes identified in simpler models. In addition, the team identified further cross-cutting issues such as business continuity, organisational behaviour, communications, surge capacity and bio-security as being potentially relevant to the study.

The final search strategy developed looked for articles in the subject areas of

- Business continuity,
- Hazard analysis,
- Capability assessment and maintenance,
- Recovery,
- Communications/informatics and
- Organisational behaviour/Human Resources.

We searched the electronic databases Embase, Medline, Medline in Process and Psychinfo via Ovid SP, Biosis and Science Citation Index via Web of Science, Cinahl via EBSCO, the Cochrane library via Wiley and Clinicaltrials.gov.

The literature search was not limited to "human" but used a pre-agreed cut-off year of 1990 onwards. Articles relating to non-health emergency planning, non-emergency planning, and non-UK legislative issues, and those from low- and middle-income countries were excluded.

¹ Boyd A, Chambers N, French S, King RA, Shaw D, Whitehead AS. *A scoping study of emergency planning and management in health care: What further research is needed?* Final report. NIHR Health Services and Delivery Research programme; 2012. Available at <u>http://www.netscc.ac.uk/hsdr/projdetails.php?ref=09-1005-01</u>

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Table. Literature search strategies

Table. Literature s	
Business continuity	 Disasters/pc (emergency response or emergency preparedness or emergency plan\$ or emergency operation plan\$ or disaster or major incident\$ or incident plan\$).ti,ab. 1 or 2 (business continuity or organisational resilience or business interruption or adaptive capacity or strategic or coordination).ti,ab. 3 and 4 limit 5 to yr="1990 -Current"
Hazard analysis	 Disasters/pc (emergency response or emergency preparedness or emergency plan\$ or emergency operation plan\$ or disaster or major incident\$ or incident plan\$).ti,ab. 1 or 2 (hazard analysis or risk factor or risk assessment or forecasting simulation or modelling).ti,ab. 3 and 4 limit 5 to yr="1990 -Current"
Capability assessment or maintenance	 Disasters/pc (emergency response or emergency preparedness or emergency plan\$ or emergency operation plan\$ or disaster or major incident\$ or incident plan\$).ti,ab. 1 or 2 (capability assessment or capability maintenance or gap analysis or needs assessment or drill or simulation or preparedness training).ti,ab. 3 and 4 limit 5 to yr="1990 -Current"
Recovery	 Disasters/pc (emergency response or emergency preparedness or emergency plan\$ or emergency operation plan\$ or disaster or major incident\$ or incident plan\$).ti,ab. 1 or 2 (significant event analysis or serious untoward incident\$ or root cause analysis or debrief or organi?ational learning or rehabilitation).ti,ab. 3 and 4 limit 5 to yr="1990 -Current"

Table. Literature search strategies - continued

Communications/ informatics	 Disasters/pc (emergency response or emergency preparedness or emergency plan\$ or emergency operation plan\$ or disaster or major incident\$ or incident plan\$).ti,ab. 1 or 2 (communication\$ or mass media or public relations or information system\$ or information service\$).ti,ab. 3 and 4 limit 5 to yr="1990 -Current"
Organisational behaviour	 Disasters/pc (emergency response or emergency preparedness or emergency plan\$ or emergency operation plan\$ or disaster or major incident\$ or incident plan\$).ti,ab. 1 or 2 (community engagement or community involvement or participatory involvement or participatory engagement or consumer participation or organi?ational behavio?r or health personnel or human resources).ti,ab. *"Attitude of Health Personnel"/ *Interprofessional Relations/ 4 or 5 or 6 3 and 7 limit 8 to yr="1990 -Current"

2,736 articles were found through the initial literature search. The articles were then de-duplicated, and then assessed (from their titles and abstracts) for relevance. 1,545 articles were found to be either of relevance (subject matter relevant to emergency planning and/or management) or equivocal relevance (subject matter suggestive of relevance to emergency planning and/or management).

The following section is a bibliography of articles deemed to be either of relevance or equivocal relevance.

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