

## ABSTRACT SUBMISSION FORM

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# SEX + GENDER

Exploring the role of sex and gender on health research



## CHR D 2020: Abstract Submission Form

### Submitter Name

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### Title

Implementation strategies in emergency management of children: a scoping review

### Background

Implementation strategies are vital for the uptake of evidence to improve health, healthcare delivery, and decision-making. Medical emergencies may be life-threatening; especially in children due to their unique physiological needs when presenting in the emergency departments (EDs). Thus, practice change in EDs attending to children requires evidence-informed considerations regarding strategies of implementing research evidence.

### Objective

We aimed to identify and map the characteristics of implementation strategies used in the emergency management of children (EMC).

### Methods

We conducted a scoping review using Arksey and O'Malley's framework. We searched four databases [Medline (Ovid), Embase (Ovid), Cochrane Central (Wiley) and CINAHL (Ebsco)] from inception to May 2019, for implementation studies in children ( $\leq 21$  years) in EDs. Two pairs of reviewers independently selected studies for inclusion and extracted the data. We performed a descriptive analysis of the included studies.

### Results

We included 87 studies from a total of 9,607 retrieved citations. Most of the studies were before and after study design ( $n=68$ , 61%) conducted in North America ( $n=63$ , 70%); less than one-tenth of the included studies ( $n=7$ , 8%) were randomized controlled trials (RCTs). About a third of the included studies used a single strategy to improve the uptake of guidelines. Dissemination strategies were more commonly utilized ( $n=77$ , 89%) compared to other implementation strategies; process ( $n=47$ , 54%), integration ( $n=49$ , 56%), and capacity building and scale-up strategies ( $n=13$ , 15%). Studies that adopted capacity building and scale-up as part of the strategies were most effective (100%) compared to dissemination (90%), process

(88%) and integration (85%).

### Conclusion

Studies on implementation strategies in the EMC have mostly been non-randomized studies. This review suggests that 'dissemination' is the most common strategy used, and 'capacity building and scale-up' are the most effective strategies. Higher-quality evidence from randomized-controlled trials is needed to accurately assess the effectiveness of implementation strategies in EMC.

### Theme:

Community Health / Policy

### Do you have a table/figure to upload?

No

### Are you willing to participate in Goodbear's Den?

Yes

### Presenter Status:

Non-Trainee

### What was your role in the project?

Write Abstract

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