

## Poster 3 – 2018 Nordic Implementation Conference

### Implementation of research in research practice: A review of the Evidence-Based Research approach

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#### *Background*

Unnecessary clinical research is unethical, limits the available funding for important and relevant research, and diminishes the public's trust in research. Meta-research has shown a huge amount of waste in clinical research. To avoid such waste, and conduct ethical research, no new studies should be prepared without a systematic review (SR) of existing evidence (Evidence-based Research [EBR]).

#### *Project aim*

EBR is the use of prior research in a systematic and transparent way to inform a new study so that it is answering questions that matter in a valid, efficient and accessible manner. Thus, the aim of this project is to identify and classify all studies identifying or evaluating core aspects of the concept of EBR)

#### *Project methods*

A search was performed of MEDLINE, Embase, CINAHL, Web of Science, Social Sciences Citation Index, Arts & Humanities Citation Index, and the Cochrane Methodology Register from inception to June 28th, 2015 with an update performed prior to the Nordic Implementation Conference. Additionally, reference lists of all included studies were reviewed, and experts within the field of evidence-based research were also consulted to identify relevant studies.

#### *Project results*

The electronic search yielded 25,997 citations, 421 additional studies were identified from experts. After screening abstracts, 288 studies met the criteria for full-text appraisal, yielding 90 included studies. The references of these 90 studies were checked for additional studies of interest. This identified a further 238 studies that are currently being screened in full text to identify which should be included in the study.

#### *Preliminary or final conclusions/discussion*

The identified studies were classified into themes

1. Use of prior research (studies) in new research
2. Redundant research (includes cumulative meta-analyses)
3. Use of SRs in planning (rationale and design)
4. Use of SRs in placing results in context
5. Citation bias, includes:
  - a. Prediction of citation: outcome, quality, design
  - b. Characteristics of those cited
  - c. Choice of citation

The great variety of studies are being evaluated in 5 different SRs.