

A Scoping Systematic Review: Needs Assessments Approaches to Inform Continuous Professional Development for Health Professionals

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Background

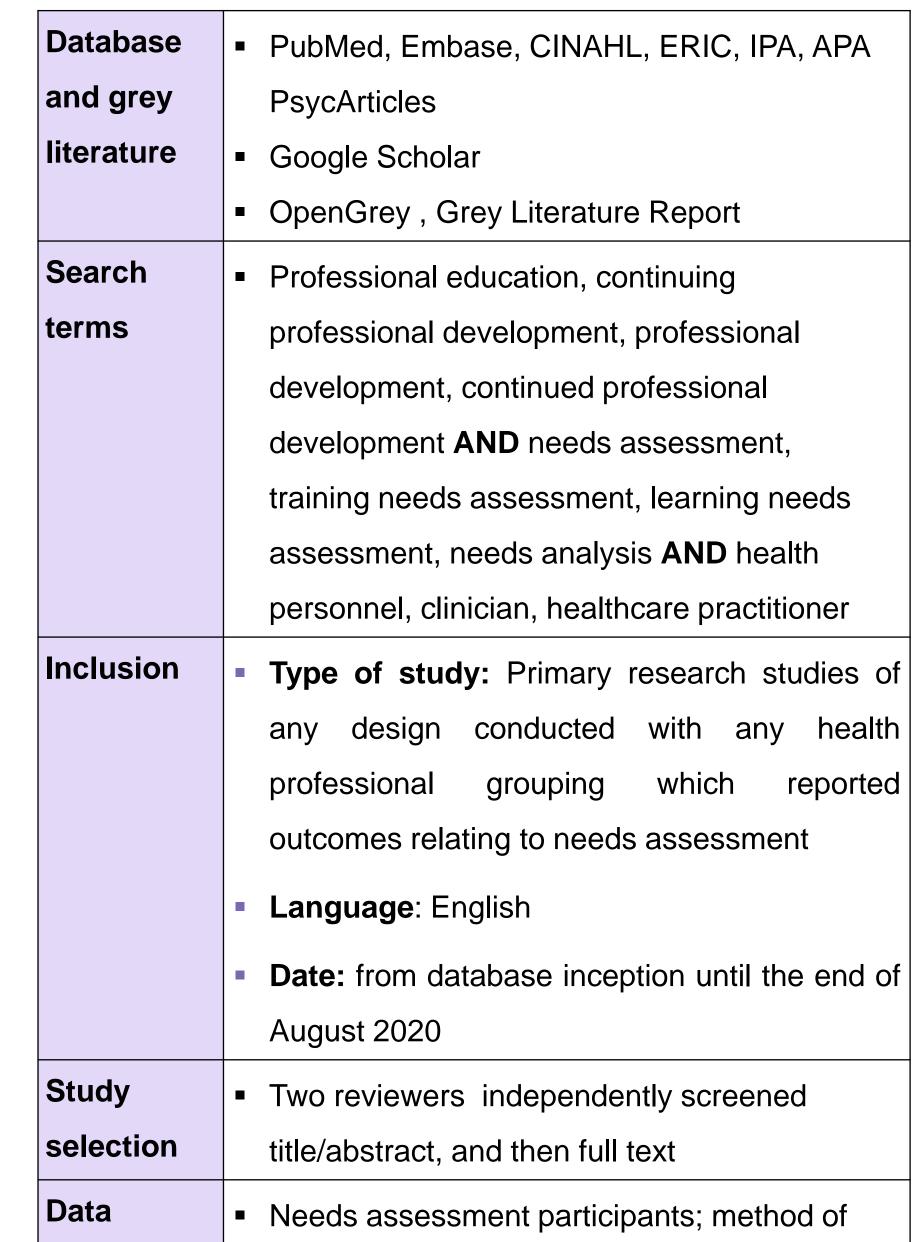
- Within the healthcare professions, the need for continuing professional development (CPD) is wellestablished¹
- A rigorous learning needs assessment (LNA) is a crucial initial step in the educational process involving defining its purpose, a systematic approach to its design and dissemination, and the use that will be made of the findings²
- The literature reports diverse approaches in conducting LNAs for the purpose of informing healthcare CPD activities; perspectives of various stakeholders have been investigated, and different measures have been evaluated including perception, attitudes, knowledge and competency³
- A search of the peer-reviewed literature and indeed guidance provided by CPD accrediting bodies fails to provide practical guidance on how they should be optimally performed⁴

Objectives

 The purpose of this research is to collate and summarize the reported methods adopted for conducting a LNA in the context of health professional CPD

Methods

• For the purpose of this scoping systematic review, the definition of "needs assessment" was as follows: a systematic process for determining and addressing needs or gaps between current conditions and desired conditions⁵.



sampling; development of any needs

assessment tool; outcome measures,

including specific domains; details of how the

results of needs assessment were to be used

extraction

Results

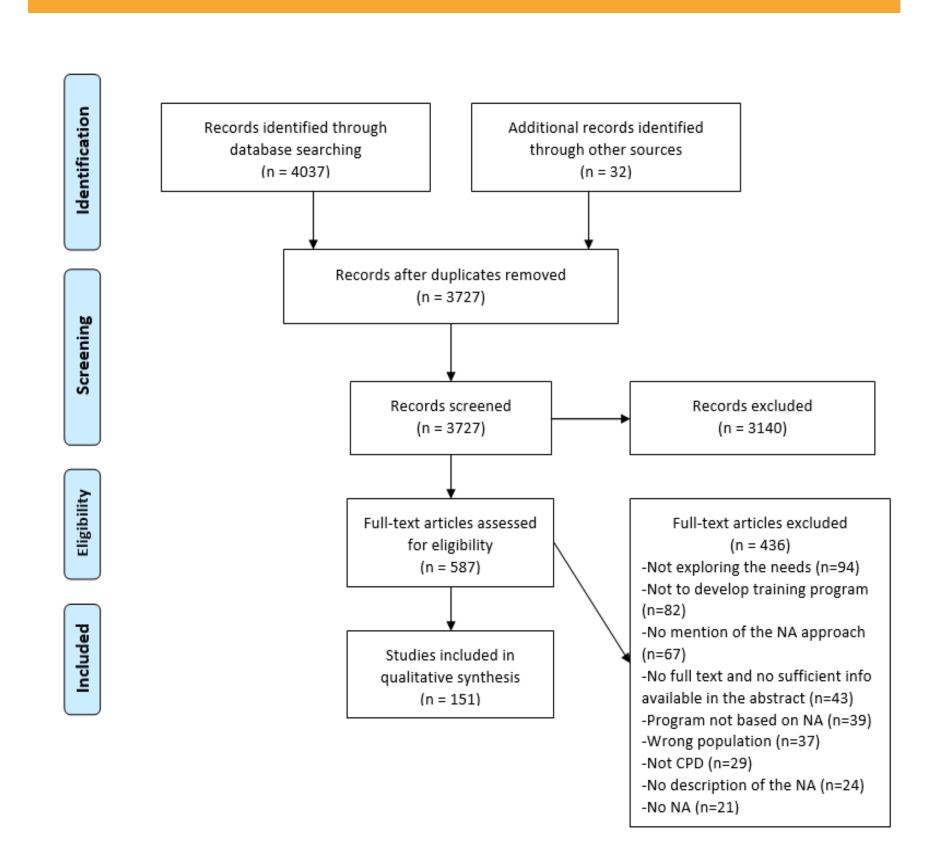


Figure 1. PRISMA Flowchart of paper selection process

Country

USA (n= 42), UK (n=34), Canada (n=21), Australia (n=12), others (n=63)

Setting

Primary care (n=40), secondary care (n=39), tertiary care (n=19), others (n=5)

Method of needs assessment

 The majority of studies adopted quantitative methods (n= 85), with mixed-methods (n= 45) and qualitative methods (n= 24) used less frequently

Stakeholders

 The majority of studies reported the needs assessment from the perspective of clinicians (n= 144)

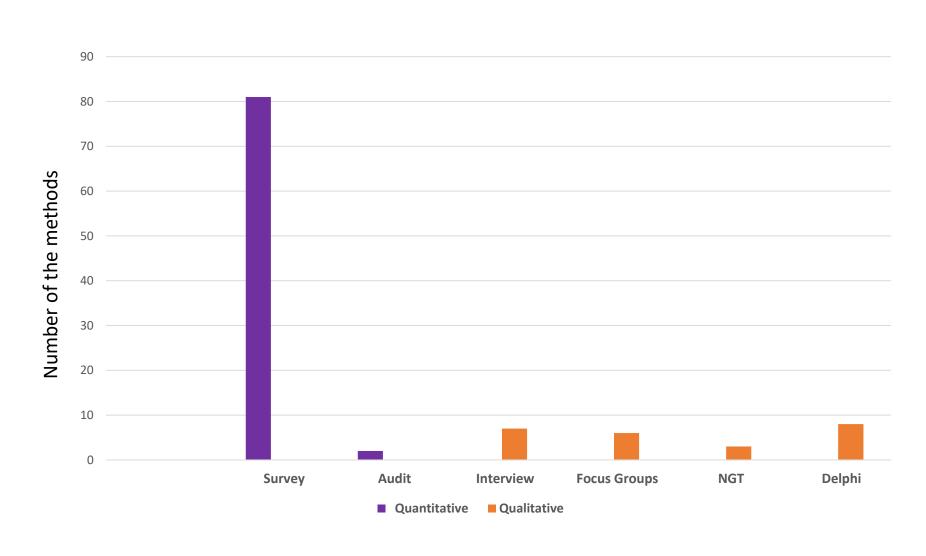


Figure 2. Methods adapted for needs assessment

A. Number of clinical staff subjected to the needs assessment

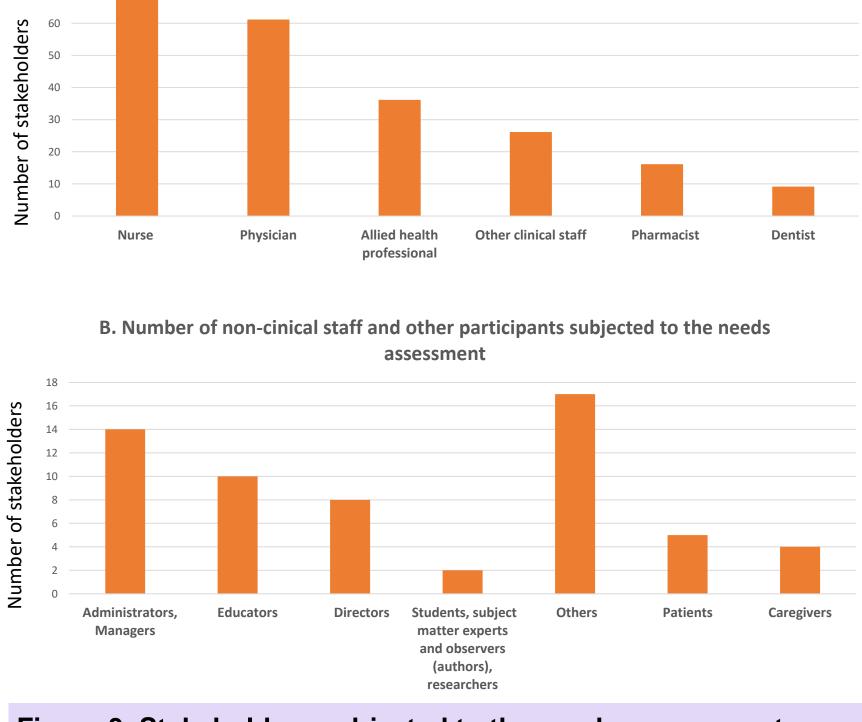


Figure 3. Stakeholders subjected to the needs assessment

Results (Cont'd)

Outcome measures

- There were various outcome measures (e.g. knowledge, skills, confidence) evaluated in the needs assessment methods
- There were n= 101 studies which used either a single method or multiple methods to explore learning needs using numerous outcome measures

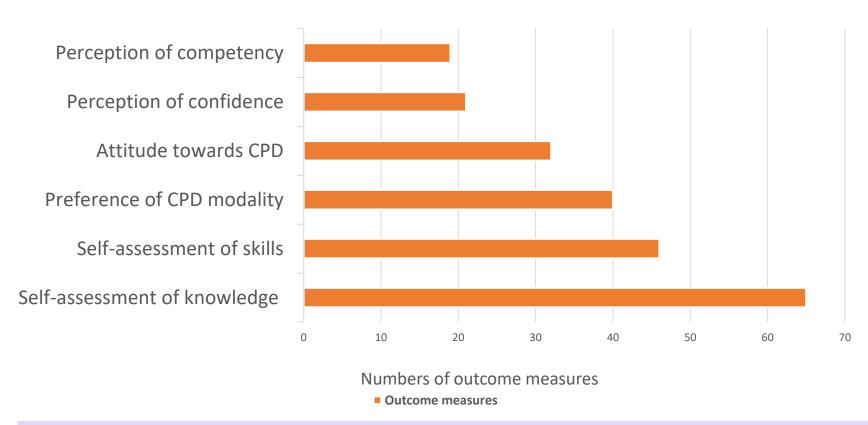


Figure 4. Examples of reported outcome measures

Outcome utilization

- Majority of the study findings reported to inform future
 CPD content and delivery (n=92)
- Little details were provided to describe how the findings were used
- Minority of studies indicated the subsequent development of an educational program or workshop series

Limitations

- The majority of studies were conducted in western countries, where health systems and supporting infrastructure are likely to be significantly different to other settings. Thus, the potential generalizability and transferability of the findings may be limited
- The search was limited to articles published in English
- The quality of the included studies was not assessed

Conclusion

- The findings from this study demonstrate the lack of published evidence of systematic and comprehensive approaches to needs assessments for the purpose of informing CPD for healthcare professionals
- Surveys as a single method, was the approach adopted in approximately half of the needs assessments
- A minority of studies described the employment of objective tools to for the LNA
- Future studies that aim for developing systemic LAN approaches are recommended

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