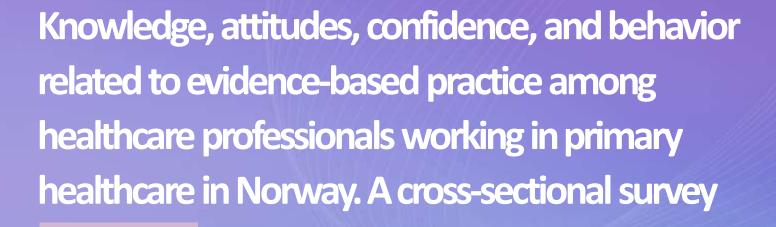


THE ECOSYSTEM OF EVIDENCE

Lessons learned in the pandemic era and future challenges

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#EBHC2023



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Background: Why measure EBP?

Implementing Evidence-based practice (EBP) may be:

- A slow process.
- Hindered by barriers (i.e., organizational-, cultural- or clinician-related).

Measuring clinician related EBP factors may:

Increase understanding of EBP knowledge, attitudes, behavior, and self-efficacy in healthcare professionals.

- → Basis of developing strategies for implementing evidence-based healthcare.
- → Increase the chance of successful implementation of EBP.







Aims of study

1. To map EBP knowledge, attitudes, behavior, and self-efficacy in different healthcare professionals working with older people in primary care in Norway using the evidence-based practice profile (EBP2) questionnaire

2. Examine the associations between background variables like level of education, EBP-training, professional training, and the scores on the different EBP domains.







Methods

Design: Cross-sectional study.

Method: Online survey: EBP2 Questionnaire.

Sample: Physical therapists, occupational therapists, nurses, assistant

nurses, and medical doctors.

Recruitment: Snowball sampling.

Data collection: October 2022 \rightarrow June 2023.







Methods: EBP2 questionnaire and domains

Relevance

(attitudes)

Value, emphasis, and importance placed on EBP

Terminology

(knowledge)

Understanding of common research terms

Confidence

(self-efficacy)

Individual's perception of their EBP skills

Practice (behavior)

Use of EBP in clinical practice

Sympathy

Compatibility of EBP with professional work







Results: Participants

Respondents: 313.

Type of participants: Physical therapists (n=64), Occupational therapists (n=38), nurses (n=119), assistant nurses (n=74),medical doctors (n= 3), others (n= 15).

Level of education:

Bachelor's (23.9%), Bachelor's (63.9%), Master's (11.8 %).

EBP training:

Yes (41%), No (59%).







Results: Relevance (attitudes)

Total sample score:

The highest score relative to other domains; 58.9 (14 - 70). Standardized score (0 - 100) = 80.2.

Differences: Highest scores among PTs.

Associations: "EBP-training (yes)" and "level of education (> bachelor degree)" $\leftarrow \rightarrow$ Higher relevance score.







Results: Terminology (knowledge)

Total sample score:

Standardized score = 40.5 (relevance= 80.2).

Differences:

Largest differences of all domains. Highest scores among PTs. Lowest scores among Assistant nurses.

Associations:

"EBP training" and "level of education (> bachelor degree)" $\leftarrow \rightarrow$ Higher score on terminology.







Results: Confidence (self-efficacy)

Total sample score:

Standardized score= 45.8 (relevance= 80.2).

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Differences: No significant differences in scores between disciplines.

Associations:

"EBP training (yes)" $\leftarrow \rightarrow$ Higher confidence score.

"Years since education (>5 years)" $\leftarrow \rightarrow$ Lower confidence score.







Results: Practice (behavior)

Total sample score:

The lowest score relative to other domains.

Standardized score = 36.5 (relevance= 80.2).

Differences: Only significant difference between PTs and assistant nurses.

Associations:

"Level of education (> bachelor degree)" $\leftarrow \rightarrow$ Higher practice score.







Limitations

Cross-sectional study design:

No causality. "EBP training" leads to is associated with better EBP attitudes, knowledge or confidence score.

Sampling bias: The participants in the study a selected part of primary healthcare workers.

Measurement bias: May occur both in domain items and background variables (self-reported questionnaire).







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Conclusions and implications

Conclusion:

- Positive attitudes! Lower degree of self-efficacy, knowledge, and EBP practice.
- Differences between disciplines exist.
- EBP training associated with knowledge about research, attitudes, confidence

Implications:

- Moore focus on EBP training in the Norwegian primary healthcare?
- How to handle differences between disciplines?
- Why the low scores on EBP practice?

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