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Evidence Based Practice and Research Engagement From YOUR Perspective: Exploring SLT's Understanding and Use of Research and EBP in Routine Clinical Work in the UK

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Background

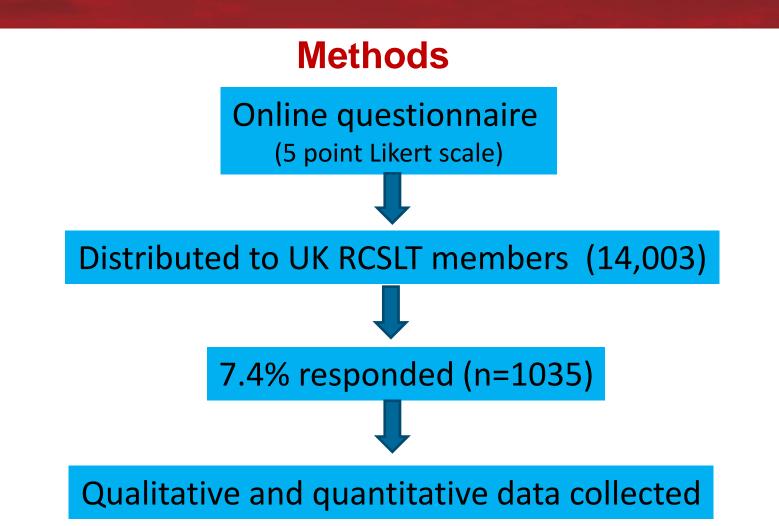
- Increased awareness of EBP in the field of SLT internationally (Spek et al, 2013).
- SLTs are **required to engage in EBP** (HCPC, 2014).
- Studies suggest research is not accessed routinely by SLTs to inform clinical practice (McCurtin & Roddam, 2012).
- SLTs have been reported to experience barriers to EBP: time, limited knowledge and skills, insufficient evidence in some clinical areas, individual perceptions, work context (Skeat & Roddam, 2010).

Enabling EBP and research are key priorities for the RCSLT.

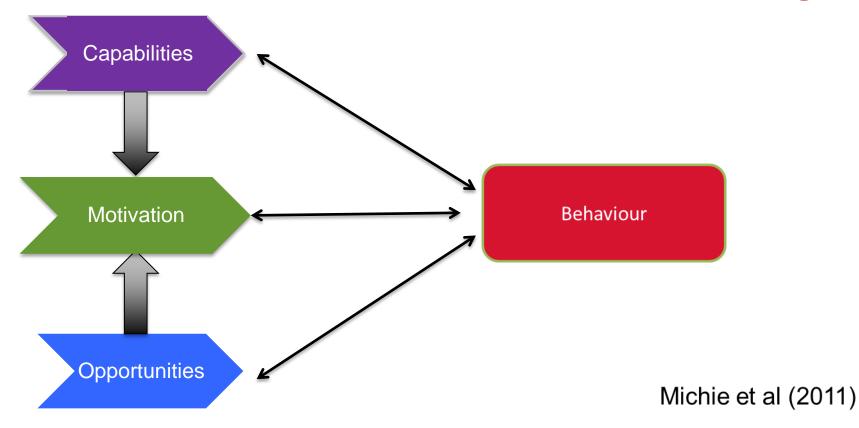


Aims

- To explore the skills, knowledge and use of EBP and research engagement in SLTs in the UK.
- To investigate the relationship between clinical experience, education and confidence levels in and EBP/research engagement.
- To explore participants' perceptions of barriers and enablers in implementing EBP and research engagement.
- To operationalise concrete and graded steps to facilitate progression and enhancement of EBP and research engagement in the profession.



COM-B Model of Behaviour Change

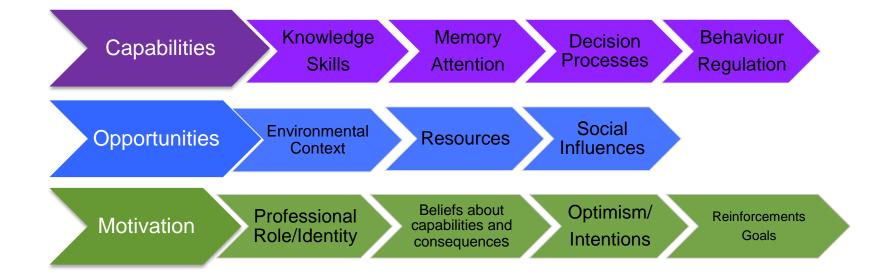


TDF Framework

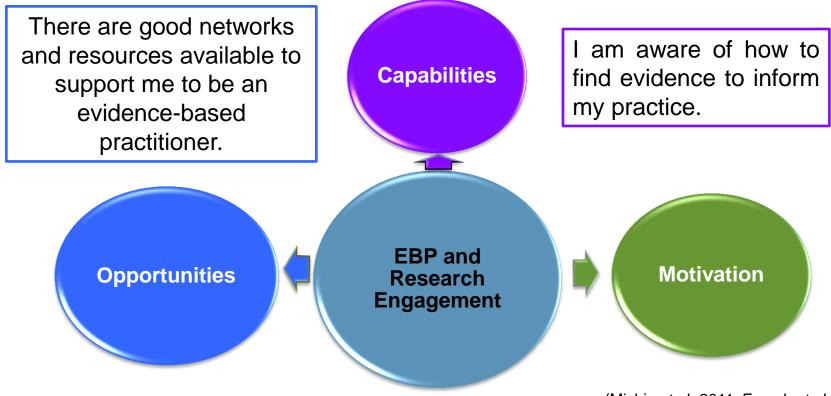
 The Theoretical Domains Framework (Michie et al. 2005), consisting of 12 (subsequently 14) domains which cover the main factors influencing behaviour change and can help identify and address potential enablers and barriers in clinical practice (French et al., 2012)

In devising our survey, we drew on some components of the TDF

Mapping COM-B with Theoretical Domains Framework (TDF) domains

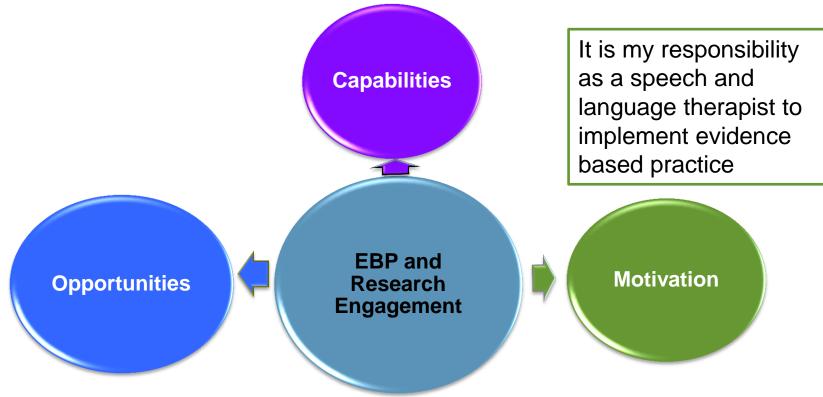


Mapping questions using the COM-B



(Michie et al, 2011; French et al, 2012)

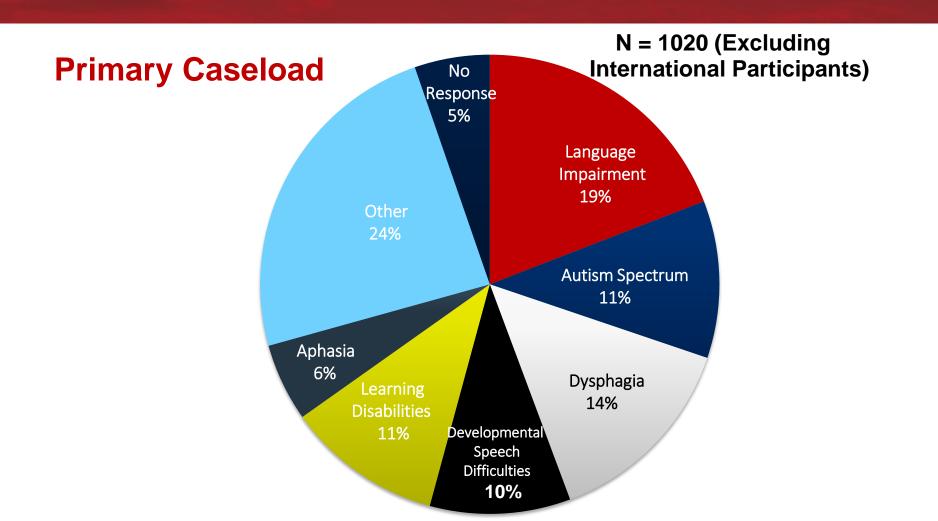
Mapping questions using the COM-B



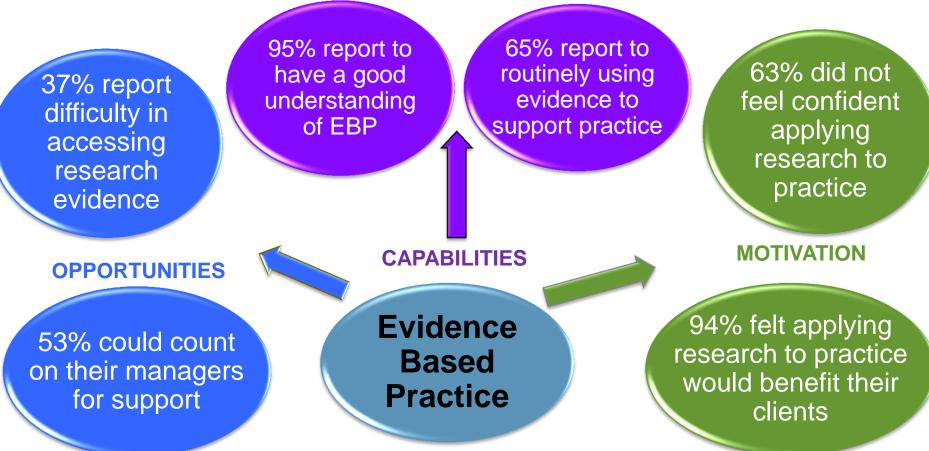
(Michie et al, 2011; French et al, 2012)

Demographics of Participants





Results - EBP



Results - Research Engagement

36% could count on their managers for support in conducting research

67% reportedly felt it was important for them to have opportunities to be involved in clinical research 25% felt that undertaking research would get in the way of seeing clients

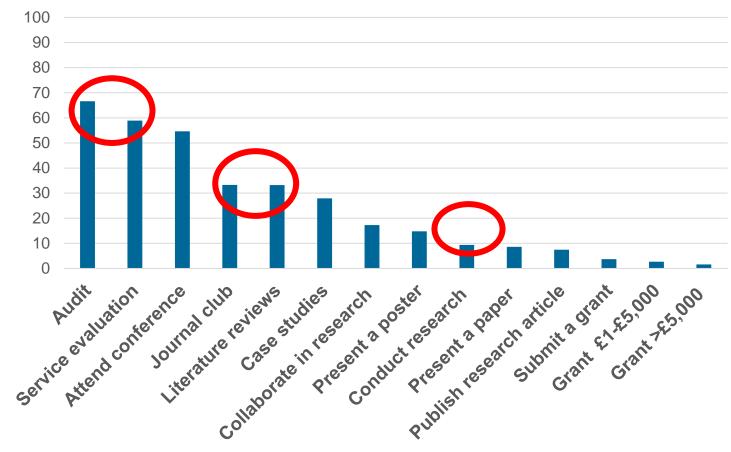
OPPORTUNITIES

37% felt they had no opportunities to collaborate in research CAPABILITIES

Research Engagement **MOTIVATION**

60% interested in being more involved in research

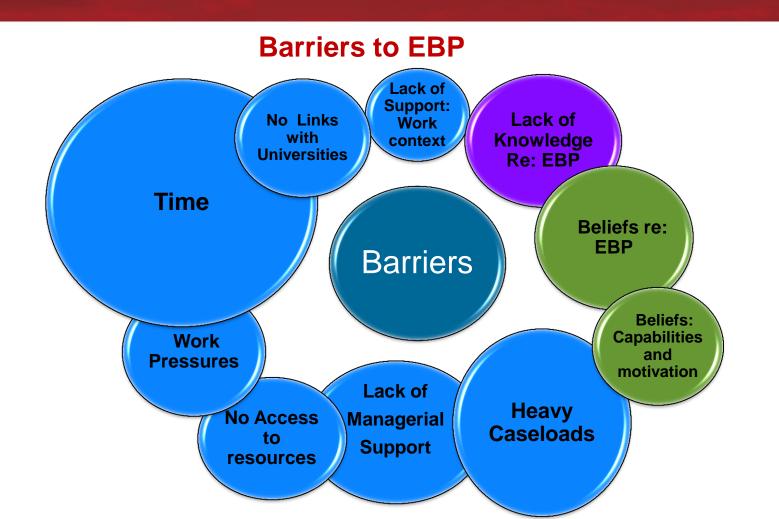
Participation in research activities



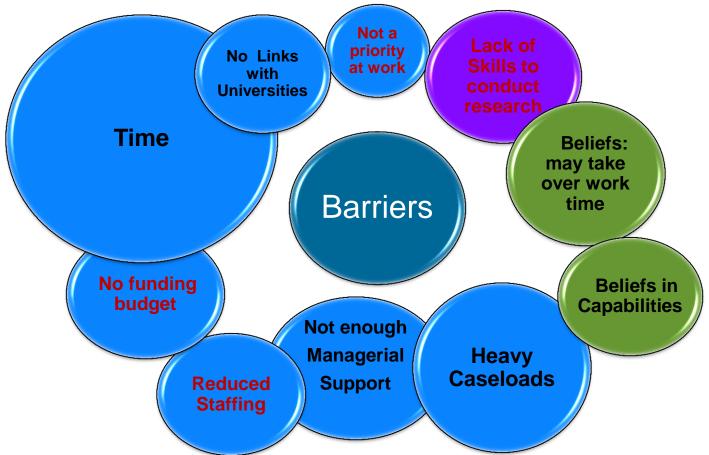
% Participants

Associations between Years of Experience, Levels of Education, Confidence Levels in Research and EBP/RE (Capability, Opportunity and Motivation subscales)

- A significant correlation between years of experience and opportunity subscale (r_s = .261, p < .01)
- Significant correlation between **level of education** and **capability** subscale ($r_s = .295, p < .01$) and **motivation** subscale ($r_s = .301, p < .01$)
- Significant correlations between **confidence** levels in **research** and **capability** subscale ($r_s = .552$, p < 0.01) and **motivation** subscale ($r_s = .557$, p < .01)



Barriers to Research Engagement

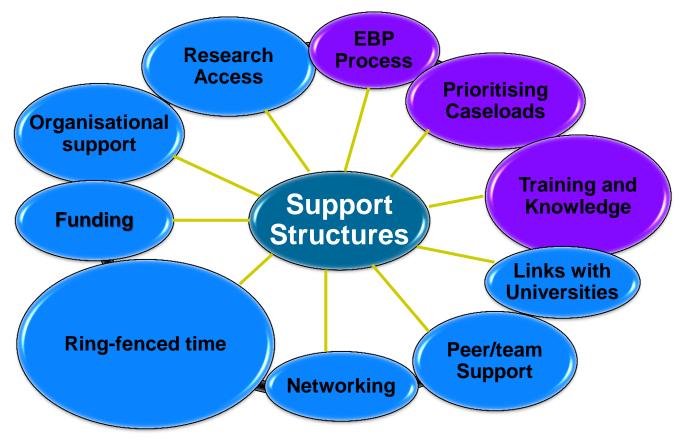




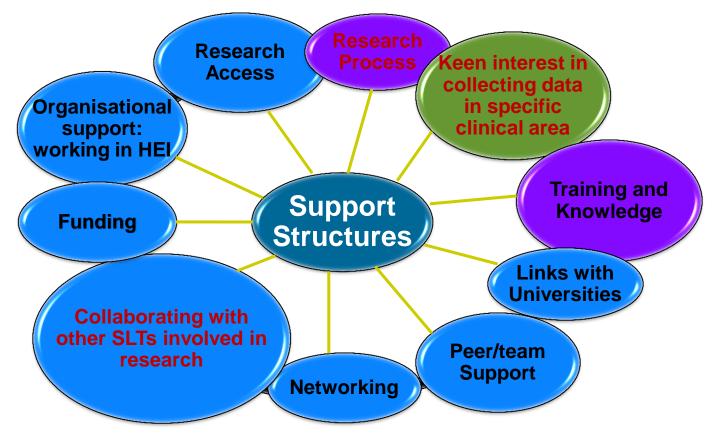
Opportunities in Research Engagement



Facilitators for EBP



Facilitators for Research Engagement



Summary

- Mismatch between attitudes and understanding of EBP and its application in work contexts
- 93% stated that EBP made them better clinicians
- 65% use evidence in clinical decision making
- 33% undertake literature reviews
- Lack of opportunities in implementing EBP and getting involved in research

Lack of opportunities and support structures

Gap between knowledge and application Gap between evidence and practice

The "evidence-based practice inventory": reliability and validity was demonstrated for a novel instrument to identify barriers and facilitators for Evidence Based Practice in health care

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Evidence-based practice inventory

Attitude

I feel that EBP is useless 123456 useful to improve my patients' outcomes.
 I feel that EBP is an unimportant 123456 important feature of high-quality patient care.

3. I feel that EBP worsens 123456 improves the quality of my clinical decisions.
4. I feel that EBP disregards 123456 respects my clinical experience.
5. I feel that EBP disregards 123456 respects individual differences between my patients.

6. EBP makes me feel constrained 123456 autonomous in my clinical decisions.

7. EBP hinders 123456 helps me in making better clinical decisions.

8. I feel that clinical guidelines in my own discipline hinder 123456 help me in making decisions.

Subjective norm

9. My colleagues discourage 123456 encourage me to apply EBP principles in my clinical decisions.

10. In my department, we pay no 123456 a lot of attention to applying EBP principles in our clinical decisions.

11. Managers in my department hinder 123456 support me to apply EBP principles in my clinical decisions.

12. My colleagues and I rarely 123456 frequently discuss and challenge how we make our clinical decisions.

13. My colleagues and I rarely 123456 frequently discuss research evidence from literature.

*Clinicians whom I respect most are opponents 123456 advocates of EBP. *Clinicians whom I respect most rarely 123456 frequently use research evidence to account for their clinical decisions.

Perceived behavioral control

14. I feel that I am incapable 123456 capable of applying EBP principles in my clinical decisions.

15. I feel that I am incapable 123456 capable of translating my information needs into relevant and feasible clinical questions.

15. I feel that I am incapable 123456 capable of translating my information needs into relevant and feasible clinical questions.

16. I feel that I am incapable 123456 capable of searching for research evidence in literature.

17. I feel that I am incapable 123456 capable of critically appraising research evidence from literature.

18. I feel that I am incapable 123456 capable of translating research evidence to the care of my individual patients.

19. I feel incapable 123456 capable of regularly keeping up with latest research evidence from literature.

Decision making

21. I dislike 123456 like using numbers, tables, and other quantitative information for supporting my clinical decisions.

22. When making clinical decisions, I prefer to use my intuition and experience 123 456 facts and arguments.

Intention and behavior

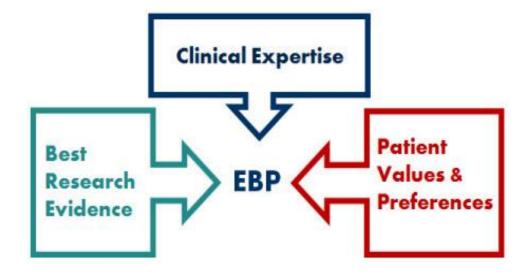
23. I rarely 123456 frequently use research evidence to support my clinical decisions.

*When research evidence does not support my trusted clinical routines, I feel uncomfortable (123456) comfortable to change them.

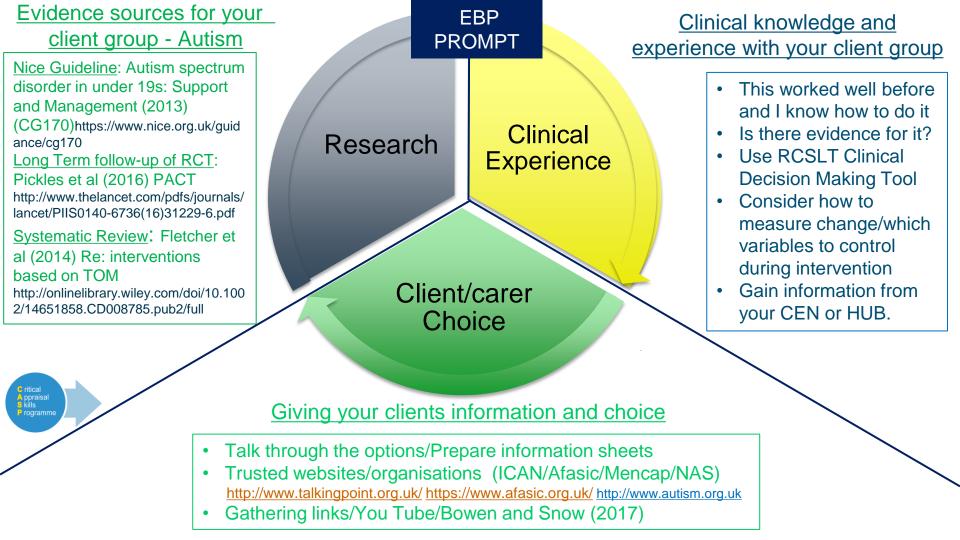
24. I prefer to use my own experience 123456 research evidence for making my clinical decisions.

25. I tend to ask colleagues 123456 search the literature to find answers to my clinical questions.

26. I rarely 123456 frequently seek out available research evidence to answer my daily clinical question.



Core components of EBP as defined by Dollaghan (2007)



Action Plan

Facilitate Evidence Based Practice

SLTs are ALL Research Consumers

Enablers **Ring fenced time** Funding Training and knowledge Research process Peer/team support Networking Research access Organisational support **Prioritising caseloads**

aware/active

SLTs are

Research

Improve EBP/Build research skills and research engagement

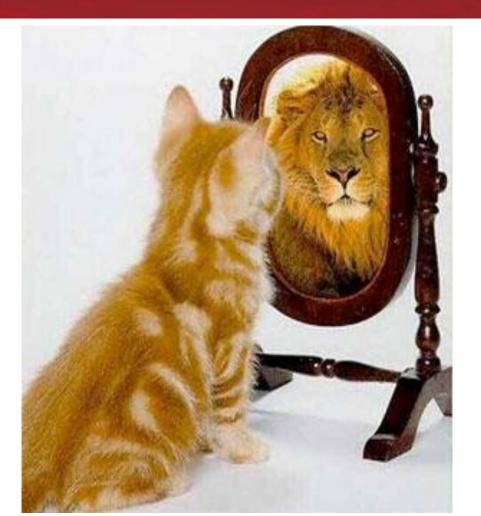
Capabilities

Opportunities

Motivation

Barriers Time Lack of knowledge of **EBP/Research Process** Lack of support in work context Heavy Caseloads No access to resources No Links with HEIs Lack of Managerial support

Facilitate Research Engagement/Participation



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We are happy to answer questions, or please do get in touch:

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