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Dr Eilidh Duncan

THIS Institute Postdoctoral Fellow

 @EilidhMDuncan

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TRiaDS Implementation Lab



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- Established November 2007 by NHS Education for Scotland
- Programme of implementation research embedded within dental guidance development
- Multidisciplinary collaboration public, academic, policy, service, and professional members



RESEARCH ARTICLE

An Audit and Feedback Intervention for Reducing Antibiotic Prescribing in General Dental Practice: The RAPiD Cluster Randomised Controlled Trial

Paula Elouafkaoui^{1,2}, Linda Young^{1*}, Rumana Newlands³, Eilidh M. Duncan³, Andrew Elders⁴, Jan E. Clarkson^{1,2}, Craig R. Ramsay³, Translation Research in a Dental Setting (TRiaDS) Research Methodology Group[†]

1 NHS Education for Scotland (NES), Dundee Dental Education Centre, Frankland Building, Dundee, United Kingdom, **2** Dental Health Services Research Unit (DHSRU), University of Dundee, Park Place, Dundee, United Kingdom, **3** Health Services Research Unit (HSRU), University of Aberdeen, Health Sciences Building, Foresterhill, Aberdeen, United Kingdom, **4** NMAHP Research Unit, Glasgow Caledonian University, Cowcaddens Road, Glasgow, United Kingdom

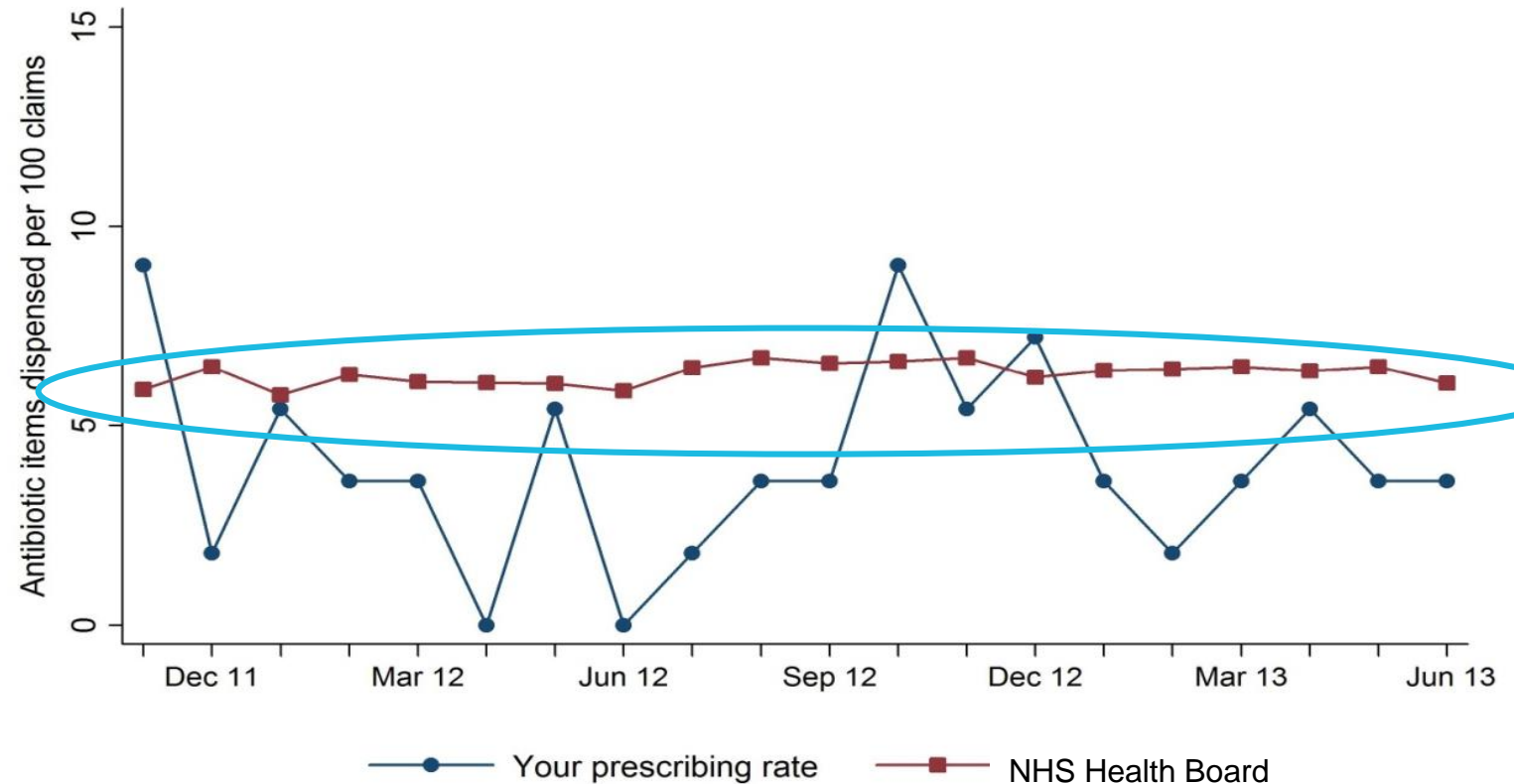
† Membership of the Translation Research in a Dental Setting (TRiaDS) Research Methodology Group is provided in the Acknowledgments.

* linda.young@nes.scot.nhs.uk



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Antibiotic Prescribing Rate Mr A N Other



Example
Feedback
(A&F +
comparator +
behaviour change
message)

Your prescribing rate is your monthly number of antibiotic items dispensed multiplied by 100 and divided by the average monthly number of claims made on your ordinary lists at this practice between November 2011 and June 2013. The health board rate is the overall ordinary list prescribing rate for current dentists in non-salaried practices in NHS Tayside. (Source: ISD Scotland. Data as at October 2013)

Prescribing courses of antibiotic treatment can encourage the development of antimicrobial resistance and therefore must be kept to a minimum.

As a first step in the treatment of bacterial infections, use local measures. For example, drain pus if present in dental abscesses by extraction of the tooth or through root canals, and attempt to drain any soft-tissue pus by incision.

This should be the first step even if patients request antibiotics and even when time is short.

Antibiotics are appropriate for oral infections where there is evidence of spreading infection, systemic involvement or persistent swelling despite local treatment.

Use antibiotics in conjunction with, and not as an alternative to, local measures.

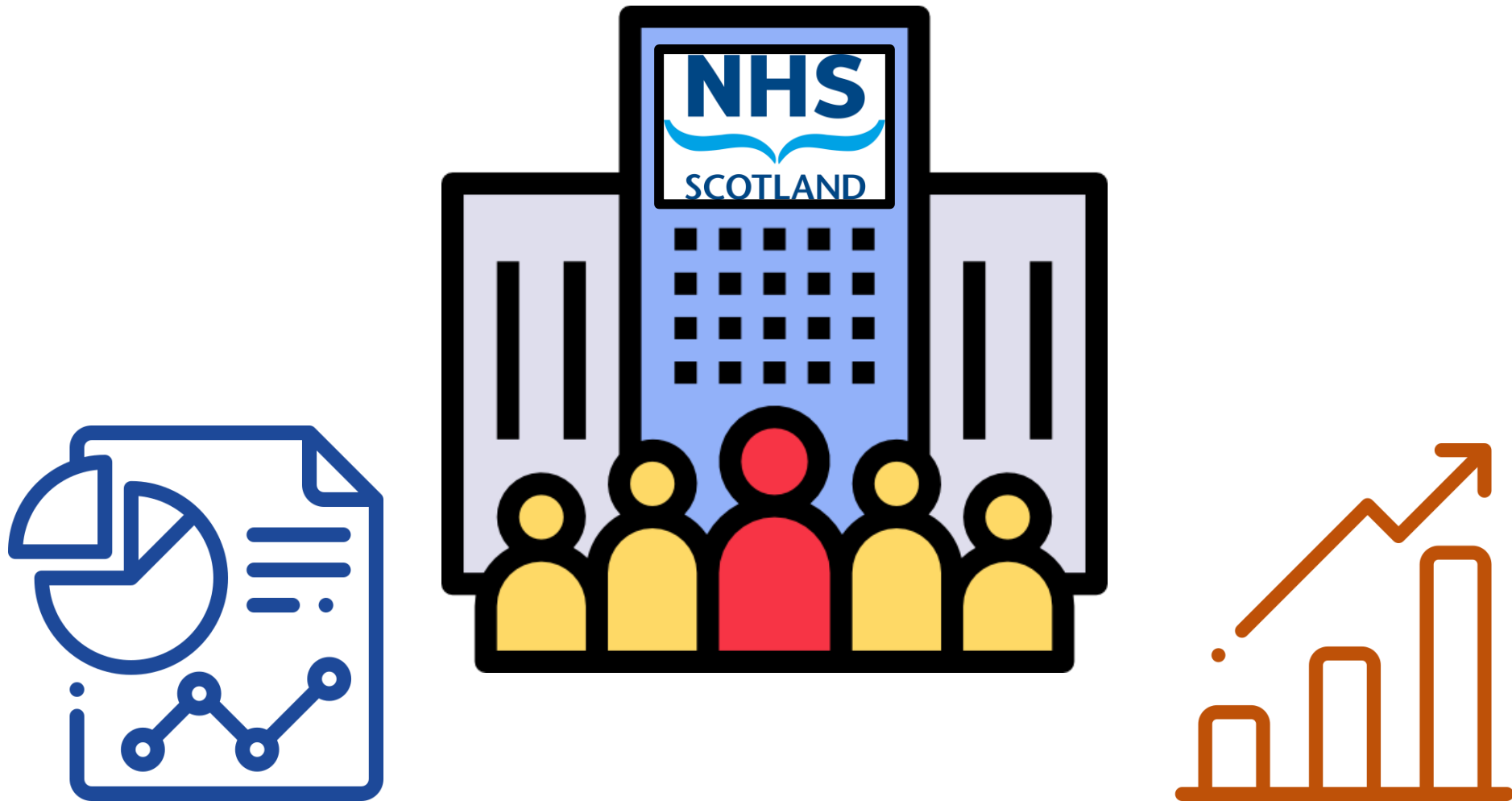
Postdoctoral fellowship - *Improving healthcare through the evolution of Audit and Feedback*



Organisational use of A&F

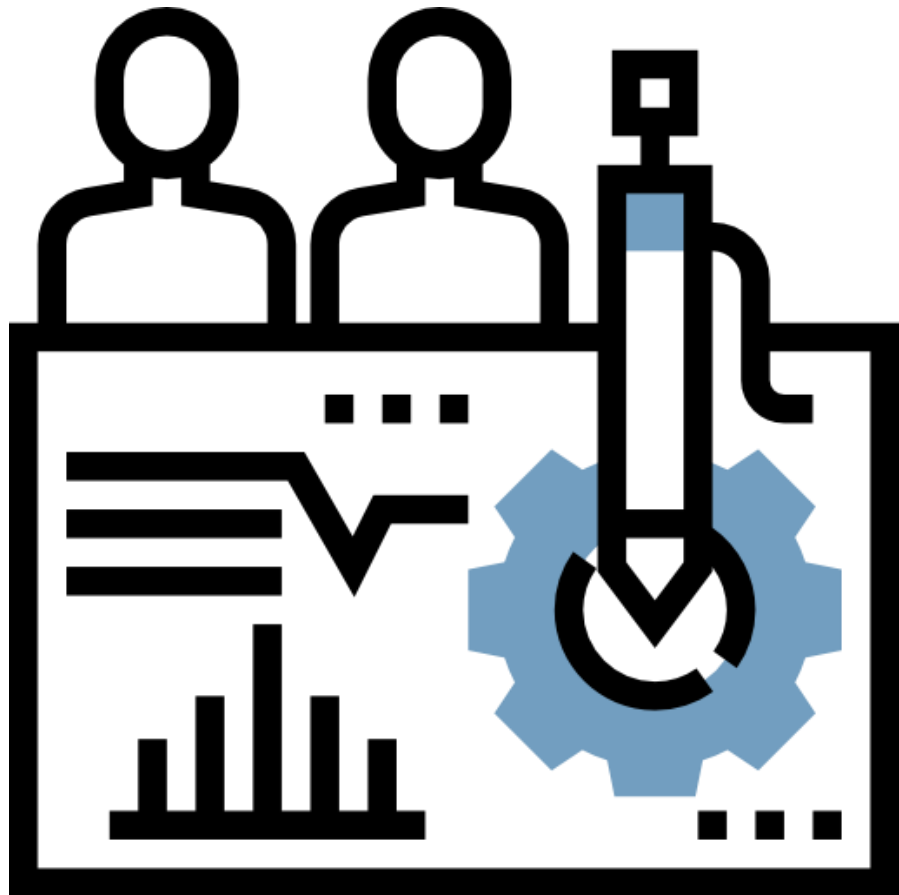


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Co-design of A&F



Brown et al. *Implementation Science* (2019) 14:40
<https://doi.org/10.1186/s13012-019-0883-5>


Implementation Science

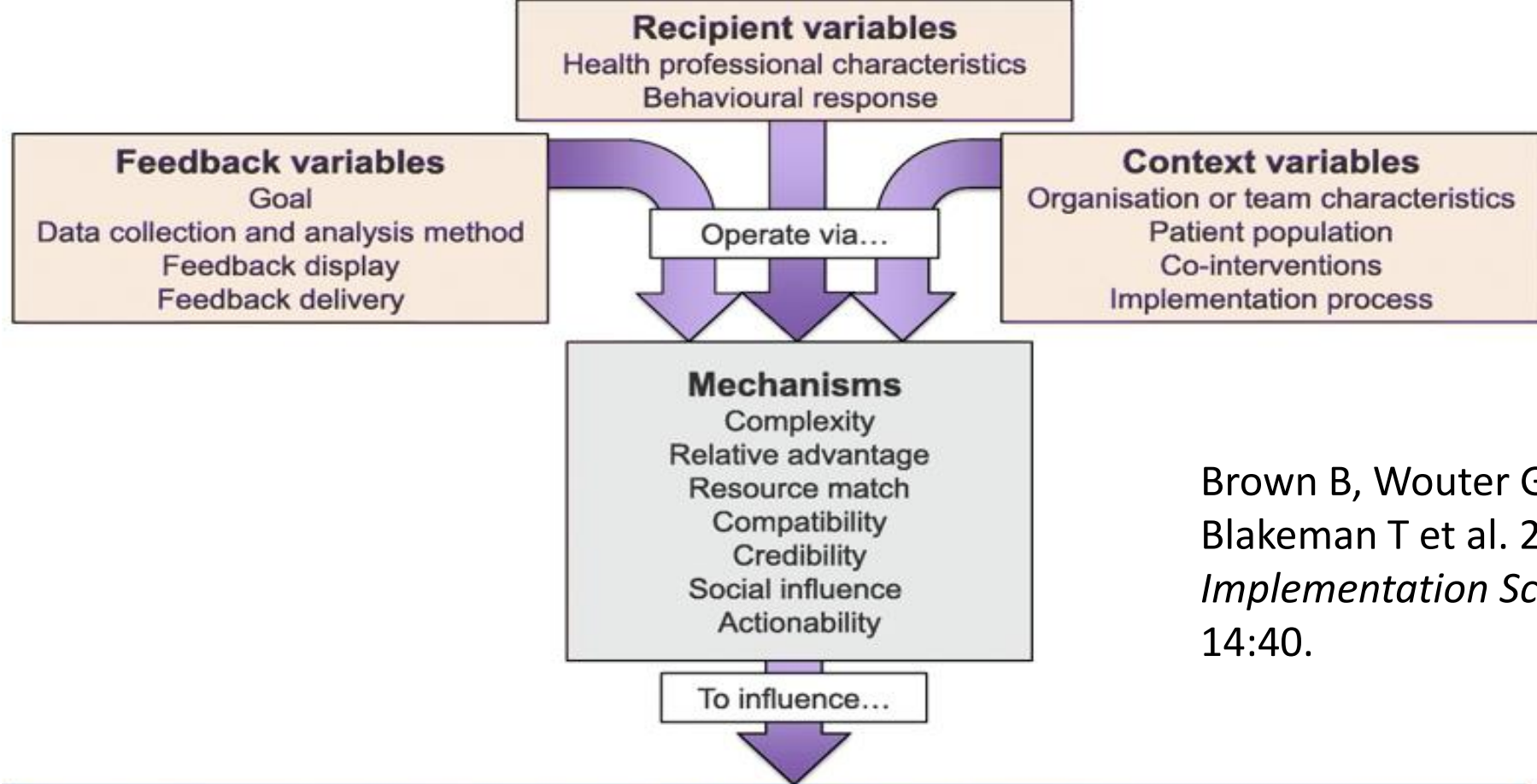
SYSTEMATIC REVIEW

Open Access

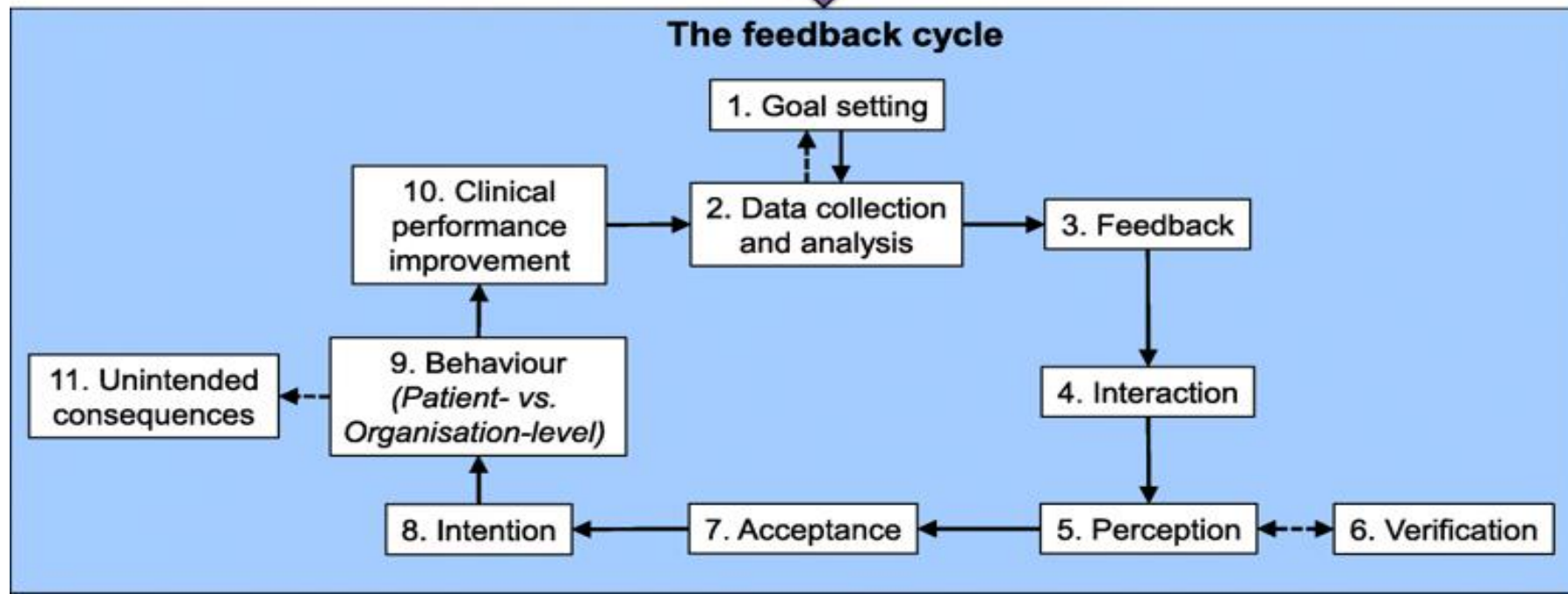
Clinical Performance Feedback Intervention Theory (CP-FIT): a new theory for designing, implementing, and evaluating feedback in health care based on a systematic review and meta-synthesis of qualitative research



Benjamin Brown^{1,2*} , Wouter T. Gude³, Thomas Blakeman², Sabine N. van der Veer¹, Noah Ivers⁴, Jill J. Francis^{5,6}, Fabiana Lorencatto⁷, Justin Presseau^{6,8,9}, Niels Peek¹ and Gavin Daker-White²



Brown B, Wouter GT,
Blakeman T et al. 2019.
Implementation Science,
14:40.





CP-FIT Mechanisms

- **Complexity**
- **Relative advantage**
- **Resource match**
- **Compatibility**
- **Credibility**
- **Social influence**
- **Actionability**



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Thank you

e.duncan@abdn.ac.uk

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