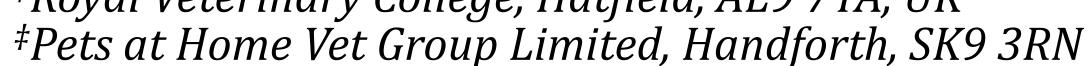
Using behavioural science to design antimicrobial stewardship interventions.

Ben Walker[†], Dan O'Neill[†], Huw Stacey [‡], Dave Brodbelt[†].

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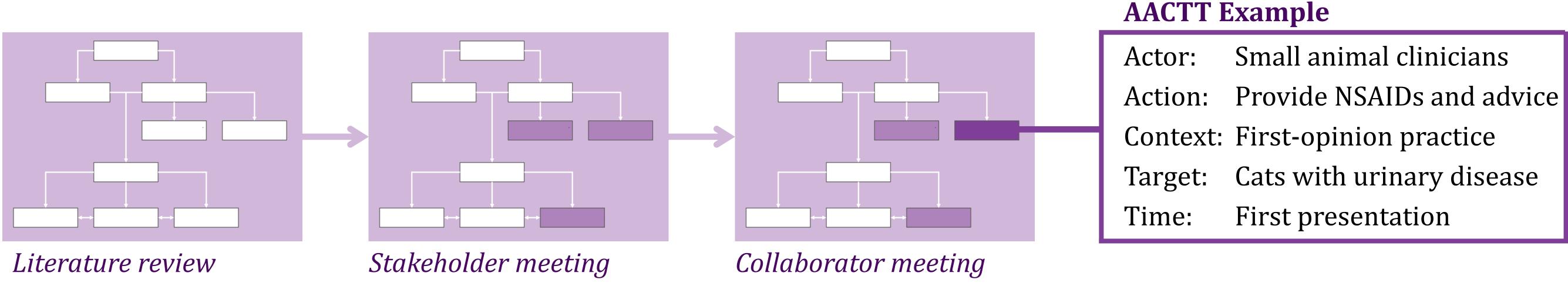








Choose and define the behaviour



Model pathways

Shortlist behaviours Select target behaviours

Specify behaviour using AACTT

Understand current behaviour

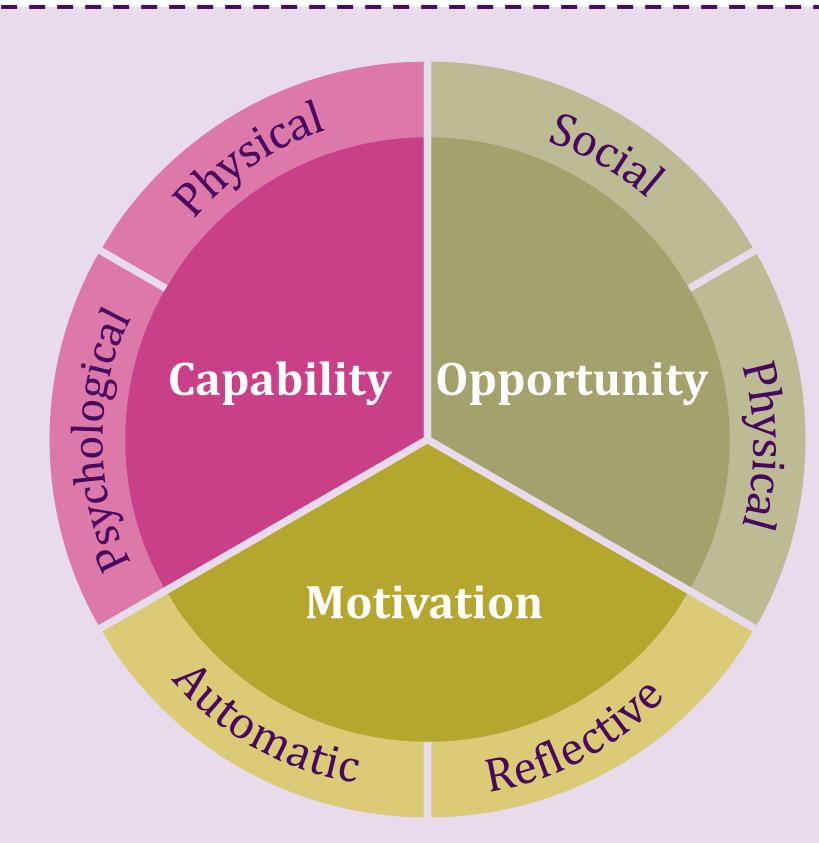
"If I just give NSAIDs, he might be back tomorrow and I've lost a day.

I trust my boss. He says start on antimicrobials, so I think that will help.

"If I don't fix it immediately they complain or they won't see me again.

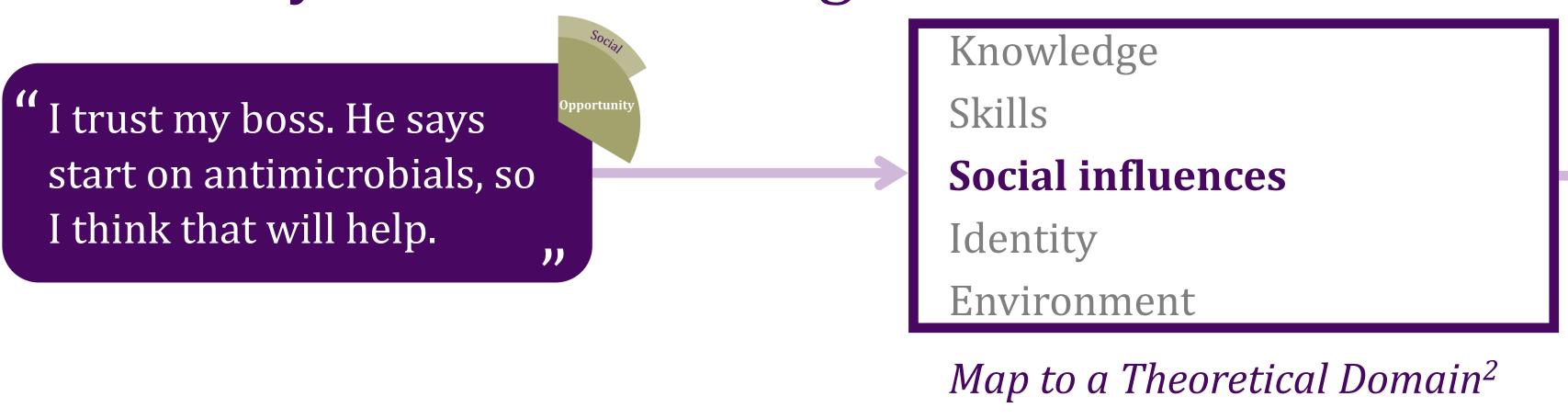
I see GPs prescribe a lot, so our stewardship might be a waste of time.

Interviews & observations in clinics



Apply a behaviour change theory (e.g., $COM-B^1$)





Others' approval

Social reward

Social support

Shape social environment

Performance comparison

Domain informs behaviour change techniques

Then...



Candidate interventions



Focus groups to refine



RCT to assess uptake & impact

Benefits:

Considers mechanism of effect

Takes local context into account

Standardises reporting

Acknowledgements

Funding provided by the UKRI Strategic Priorities Fund This project is part of a wider study funded by the PetPlan Charitable Trust Additional thanks to the Pets at Home Vet Group and their participating clinics



References

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²French, S.D., et al. Developing theory-informed behaviour change interventions to implement evidence into practice: a systematic approach using the Theoretical Domains Framework. Implementation Sci 7, 38 (2012).