

Determinants in Implementing Infection Prevention and Control Practice in Nursing Homes: A Scoping Review Based on Theoretical Domains Framework

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Background

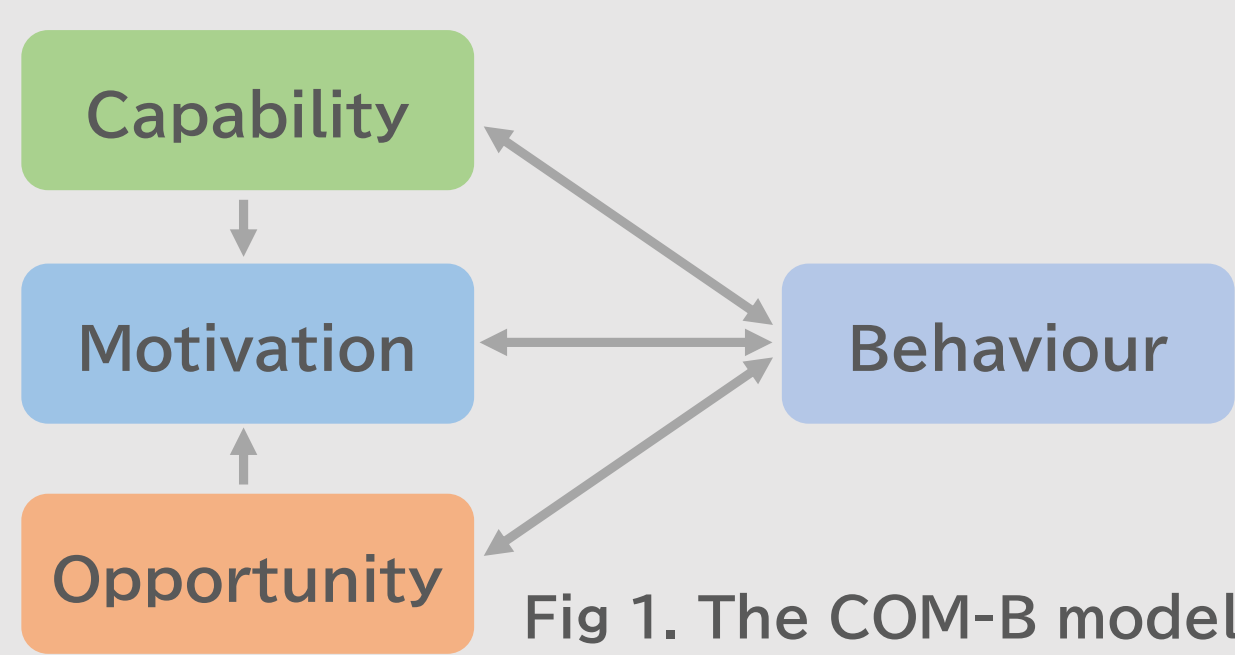
- Implementing infection prevention and control (IPC) in nursing homes (NHs) is a pressing issue.
- Changing healthcare workers' (HCWs') behavior toward IPC is essential.
- Theory-based interventions can promote IPC behavior change. (Srigley et al., 2015)
- Effective behavior change interventions require an understanding of the various determinants of behavior. (Michie et al., 2005)

Objectives

- To identify the determinants of HCWs' IPC in NHs
- To identify the research gap in HCWs' IPC in NHs

Methods

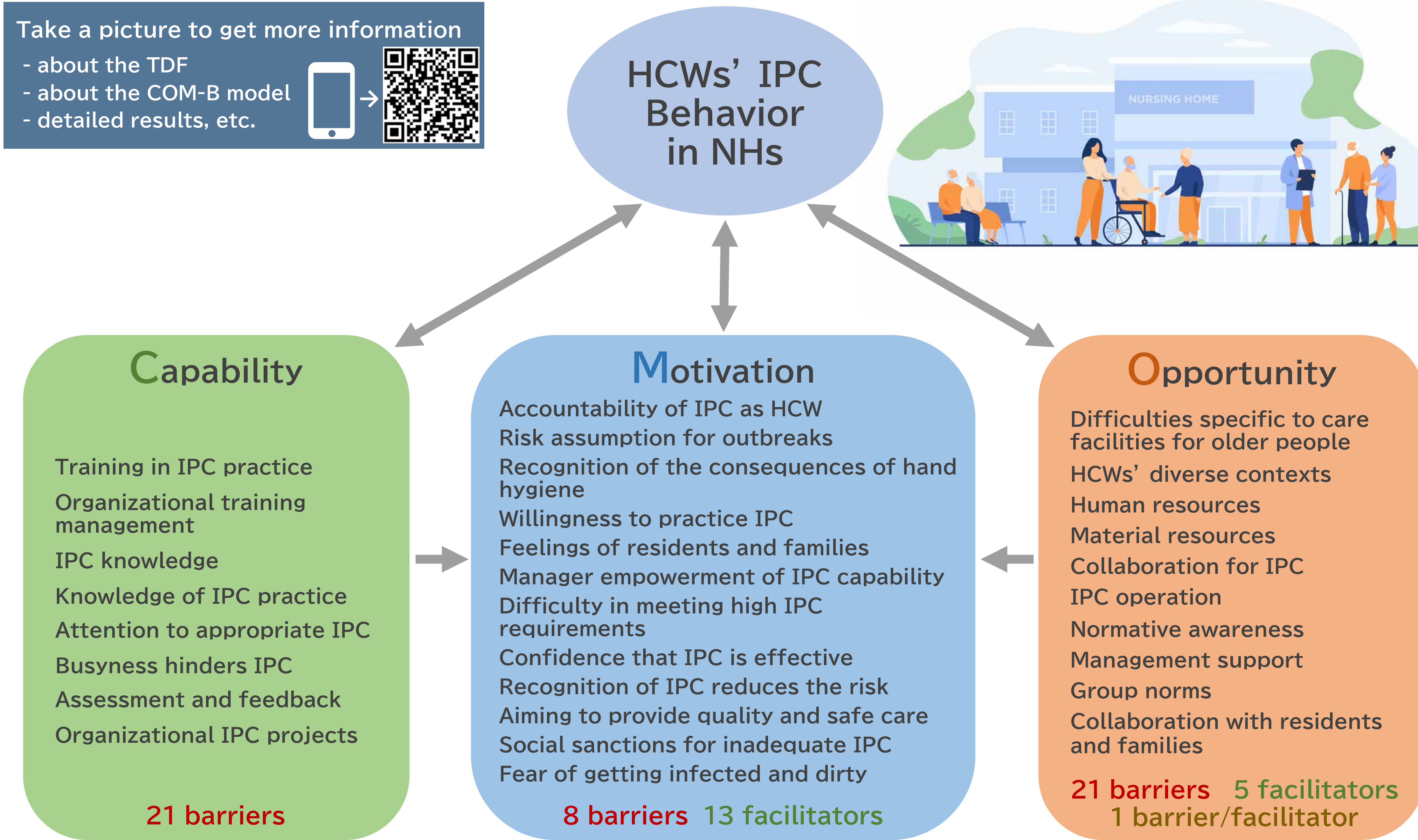
- Review Methodology: a scoping review
- Data Source: MEDLINE and CINAHL
- Analytic Framework:
 - The Theoretical Domains Framework: TDF
 - The COM-B model
- What is the TDF?
 - The framework for behavior change with 14 domains
 - Developed based on 33 theories of behavior and behavior change (Michie et al., 2005, Atkins et al., 2017)
- What is the COM-B model?
 - The model for behavior change linked to TDF (Michie et al., 2014)
 - Three key components are essential for behavior



The various determinants influence HCWs' IPC practice in nursing homes. Promoting IPC requires tailored, multi-component, behavioral-focused interventions. We need more research focused on the IPC motivation of HCWs in NHs.

Take a picture to get more information

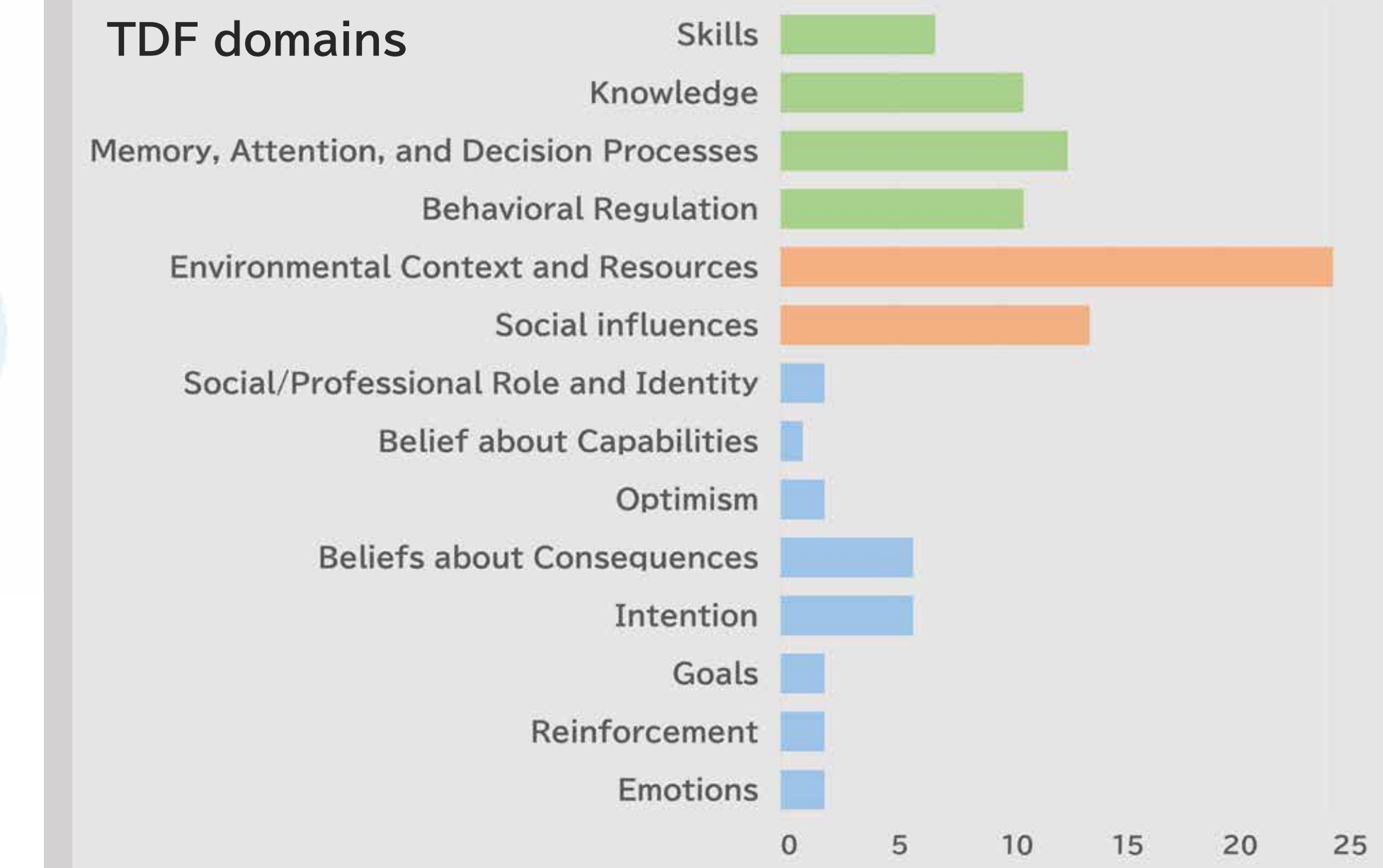
- about the TDF
- about the COM-B model
- detailed results, etc.



Results (n=25)

- Publication year: 2003 – 2021
- Geographical region:
 - North America 13, Europe 5, Asia 5, Oceania 2
- Study design:
 - Quantitative Descriptive 12, Qualitative 8, Mixed-method 2, Non-RCT 1, RCT 1

Research gap in HCWs' IPC in NHs



More research is needed on motivational determinants.

Discussion

- There are various barriers, particularly related to the capability and opportunity components.
 - Educational and organizational interventions are essential.
- Motivational determinants can promote IPC in NHs.
 - Socio-psychological and social-marketing interventions are needed.
- Understanding the diverse determinants based on a theory-based framework may lead to the development of tailored interventions for IPC in NHs.

Fig 2. Summarized concept map of the determinants of HCWs' IPC in NHs. See the QR code above for details on barriers and facilitators.

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Contact Kanako Fujimoto, Okayama University. We have no COI to disclose.

