

Bridging HTA to Practice:

A Structured Framework to Assess Implementation Readiness in Public Healthcare Institutions (PHIs) for Subsidised Medical Technologies

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RATIONALE



“The potential impact of a policy to advance health equity depends both on the design and its implementation, requiring ongoing evaluation and stakeholder engagement.”¹

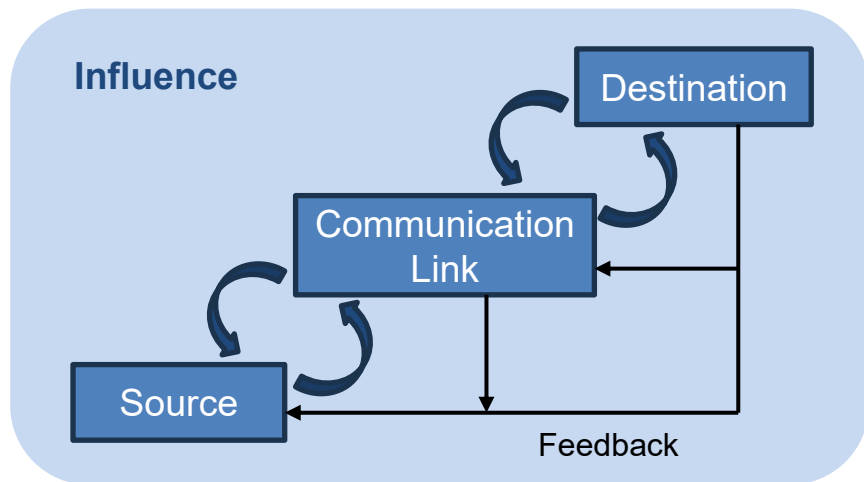


Figure 1: A Conceptual Framework for Implementation²

- A “**source**” (e.g. a subsidised MedTech) and a “**destination**” (e.g. healthcare institution implementing the subsidy) alone is insufficient.
- A “**communication link**” (active engagement) and “**feedback**” (informs readiness and challenges) are essential components to bridge the gap.
- When the “**communication link**” and “**feedback**” are established, the overarching “**influence**” (the national policy mandate and patient imperative) drives accountability across all healthcare institutions.

¹Oh, A., Abazeed, A., & Chambers, D. A. (2021). Policy implementation science to advance population health: The potential for learning health policy systems. *Frontiers in Public Health*, 9, 681602. <https://doi.org/10.3389/fpubh.2021.681602>

²Fixsen, D. L., Naoom, S. F., Blase, K. A., Friedman, R. M., & Wallace, F. (2005). *Implementation research: A synthesis of the literature*. University of South Florida, Louis de la Parte Florida Mental Health Institute, The National Implementation Research Network (FMHI Publication #231).

RATIONALE



ACE evaluates a non-implant medical technology (MedTech)



MOH Medical Technology Advisory Committee (MTAC) makes subsidy recommendation

Are the PHIs ready?

Subsidy Implementation of the MedTech at PHIs



Patient access to subsidies

Bridging policy dissemination and ground-level readiness across Singapore's public healthcare institutions (PHIs) is essential to ensure timely and effective subsidy implementation.

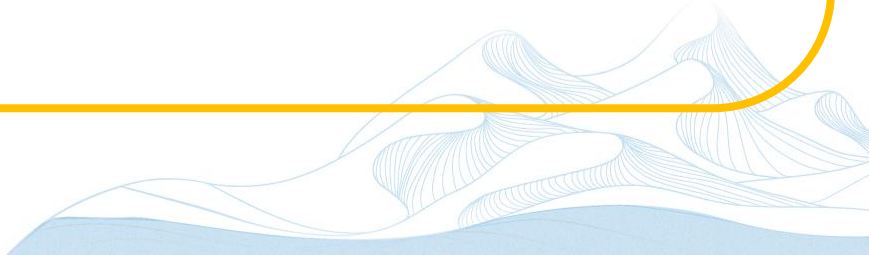
- Each PHI operates with **distinct workflows** involving **cross-function stakeholders**.
- While MOH notifications provide PHIs with the necessary policy guidance, it can be **complemented with more structured engagement** to verify operational readiness or surface potential barriers before implementation.

Figure 1: ACE's Non-Implant Medical Technologies Subsidy Evaluation and Implementation Process

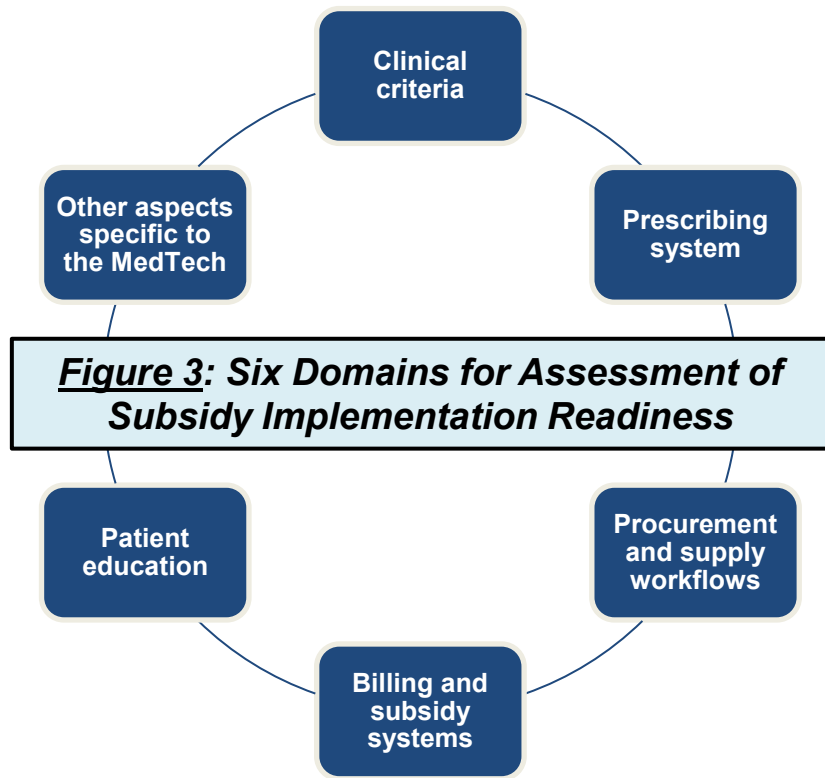
OBJECTIVE



This study describes the development of a structured implementation readiness checklist tool which aims to:

- 1 Provide **an adaptable template** with domains that can be **used across different MedTech subsidy implementations**.
 - 2 Facilitate **cross-functional preparation** and alignment within each PHI.
 - 3 Enable **national-level visibility of implementation readiness across all PHIs**, surfacing gaps and challenges to MOH for timely and targeted support ahead of subsidy implementation.
- 

METHODS



- A retrospective review was conducted on MedTech subsidy implementations comprising both services and devices between August 2024 and December 2025.
- Recurring challenges and blind spots were identified and grouped into 5 common domains (Figure 3) applicable to all MedTech subsidies.
- A 6th domain was left open to capture challenges unique to each specific MedTech (Figure 3).

METHODS



- **Positive Airway Pressure (PAP)** devices for obstructive sleep apnoea (OSA) was selected as the pilot technology in view of its then-upcoming subsidy.
- **An implementation readiness checklist with guiding sub-questions was developed based on the 6 domains.**

S/N	Area/Checklist	Status	If not completed, please provide (1) follow-up actions and (2) target completion date to ensure timely subsidy implementation ¹
Clinical Setup			
1	The institution has a set of established clinical privileging criteria for OSA management	☐ Completed ☐ Not completed	

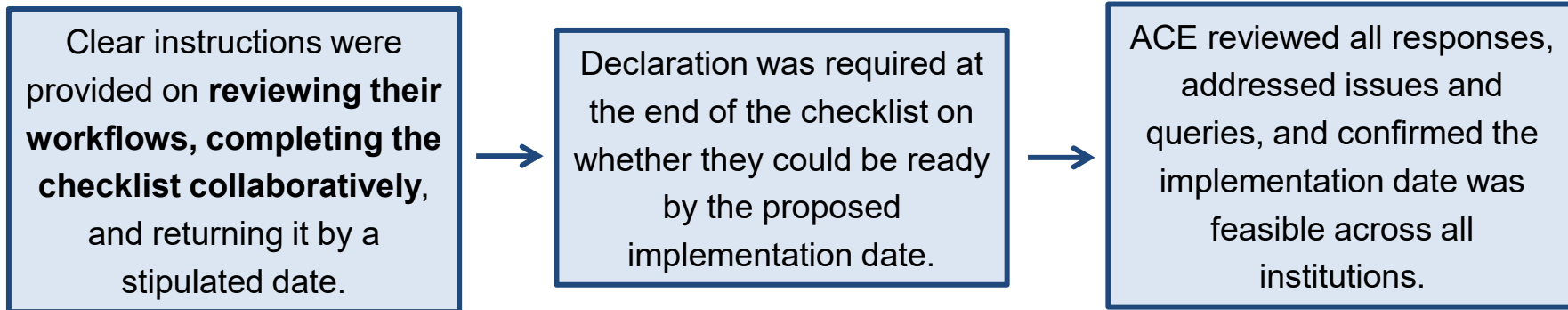
Figure 4: Example Question on the Clinical Criteria Domain for PAP



METHODS



- **Active engagement was conducted with stakeholders across 10 PHIs:**



- Stakeholders identified include:
 - Clinicians
 - Clinical operations
 - Finance and billing
 - Retail pharmacists or supply

RESULTS AND DISCUSSION

Domain Readiness of the 10 PHIs for PAP at Checklist Submission

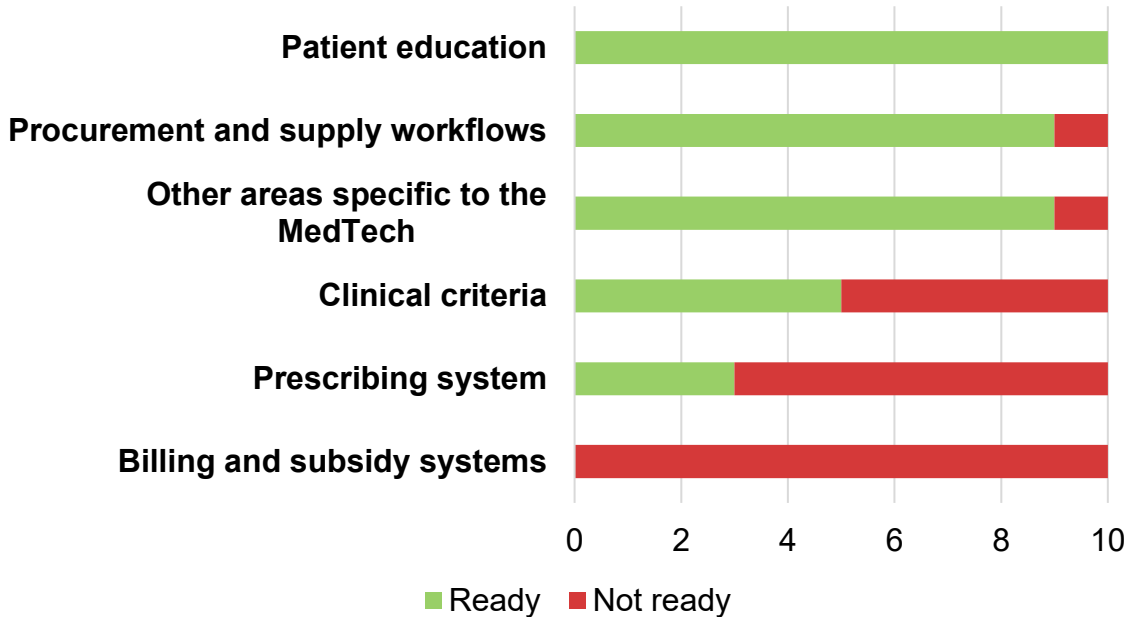


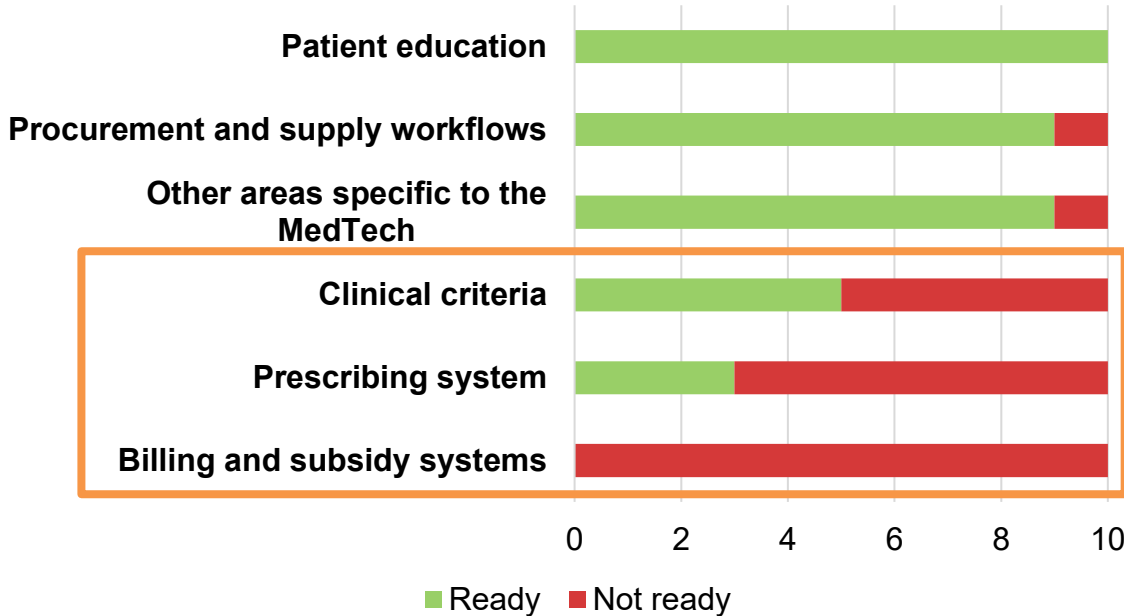
Figure 5: PAP Subsidy Implementation Readiness Checklist Results

- Each PHI worked through the checklist's guiding sub-questions to self-assess their readiness across all domains.
- For areas where readiness had not yet been achieved, PHIs indicated a targeted timeline for completion and surfaced any outstanding questions in the remarks section.
- The overall readiness findings across all 10 PHIs are summarised in [Figure 5](#).

Objective 3: Enable national-level visibility of implementation readiness across all PHIs

RESULTS AND DISCUSSION

Domain Readiness of the 10 PHIs for PAP at Checklist Submission



PHIs reported configuration of systems were required, but all would be ready by the proposed implementation date.

Figure 5: PAP Subsidy Implementation Readiness Checklist Results

Objective 3: Enable national-level visibility of implementation readiness across all PHIs

RESULTS AND DISCUSSION

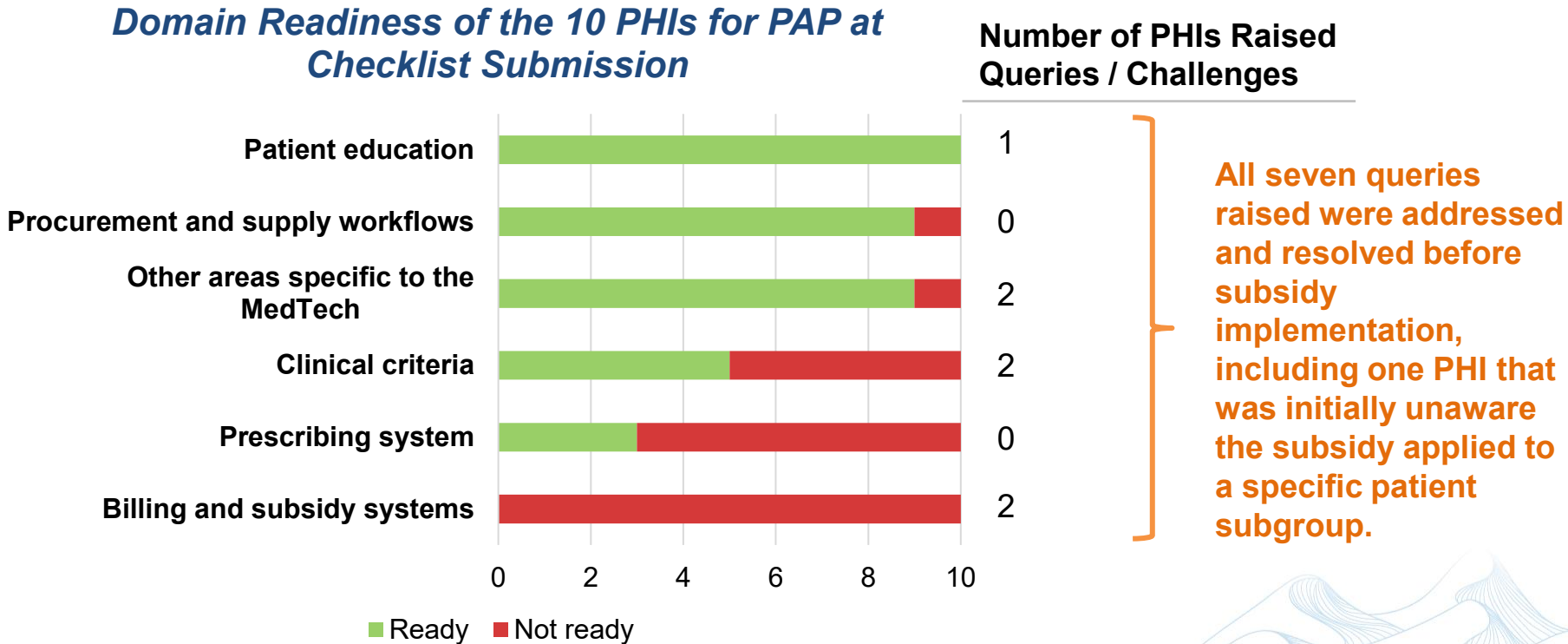


Figure 5: PAP Subsidy Implementation Readiness Checklist Results

Objective 3: Enable national-level visibility of implementation readiness across all PHIs

RESULTS AND DISCUSSION



All 10 PHIs declared that they would work towards being ready by the proposed subsidy implementation date. This act of declaration served two important purposes:

- It provided national-level visibility of implementation readiness across all PHIs, **enabling ACE to assess whether the proposed implementation date was feasible** before it was officially communicated to the public.
- By requiring each PHI to actively commit to a timeline, the engagement potentially **creates a sense of ownership and accountability** that passive, top-down communication alone cannot achieve.



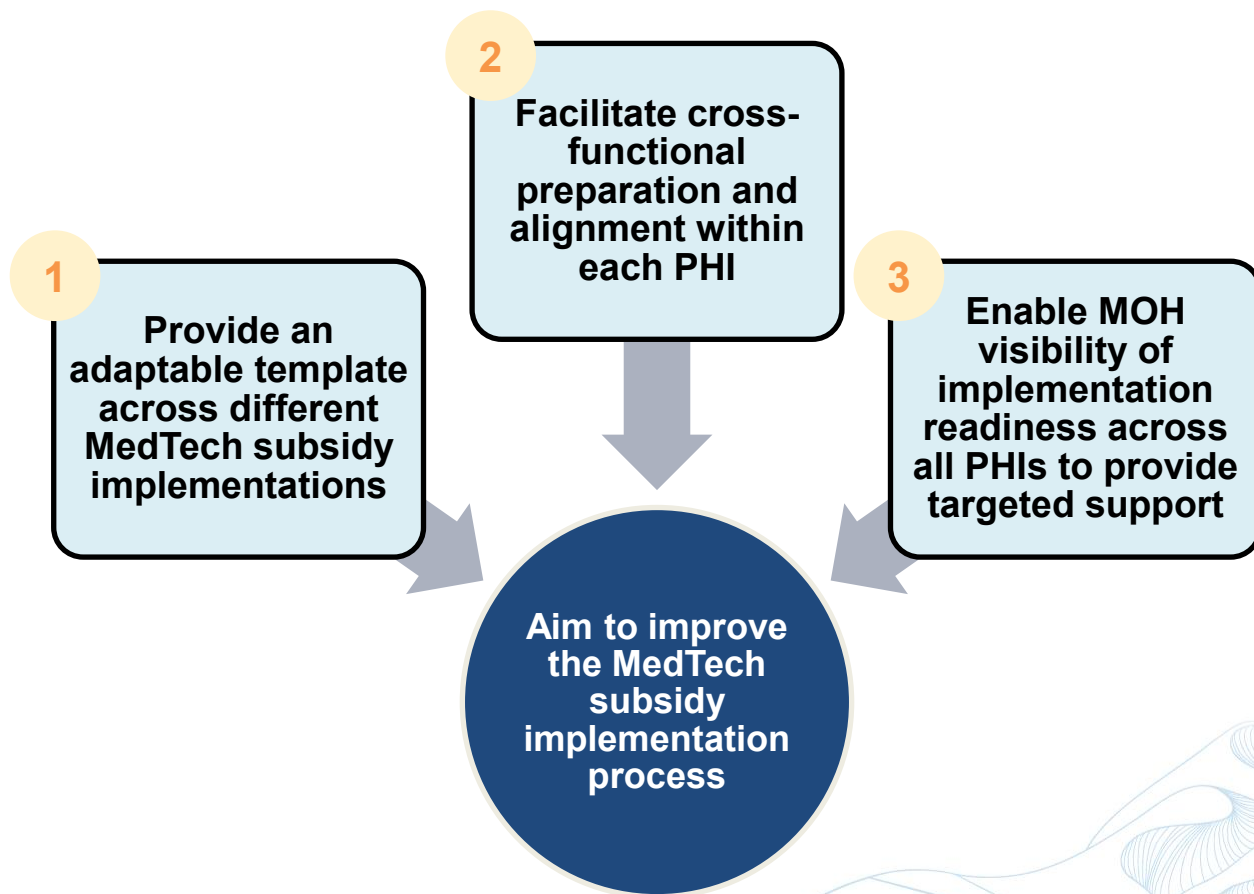
Objective 3: Enable national-level visibility of implementation readiness across all PHIs

LIMITATIONS

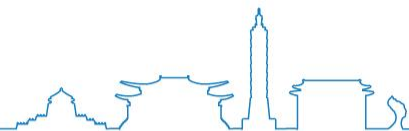


- The 6-domains checklist was piloted on a single MedTech subsidy.
 - *Its applicability and effectiveness across other MedTech with different complexities needs time to be validated.*
- The checklist domains were based on past implementations of MedTechs, which may not capture challenges unique to future MedTech subsidies.
 - *Iterative refinement of the checklist are required over time.*
- The checklist is designed for use in public healthcare institutions in Singapore only, as government subsidies do not extend to the private setting.
 - *Should the tool be adapted for use in a private setting, modifications would be required.*
- Readiness declarations were self-reported by PHIs, there is a risk that declarations reflect intent rather than confirmed operational readiness.
 - *Dedicated implementation workgroups at PHI-level can be explored to strengthen accountability.*

CONCLUSION



THANK YOU



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