National **Quality Improvement Conference**

Integrated MSK Care – Rapid Assessment and Physiotherapy for Patients In NeeD (RAPID)

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Problem Statement

In Singapore, Musculoskeletal (MSK) disorder is the top cause (24.3%) of healthy life lost to disability in 2019¹.

Early and prompt physiotherapy has been effective²⁻³ and prioritised in primary healthcare for its benefits for MSK disorders in the UK⁴⁻⁵.

Potential Solutions



Standardise care by developing clinical protocols:

Clinical care

Implemented in phases since October 2020

Train

Train our polyclinic physiotherapists and therapist assistants to accurately stratify and escalate with reference to protocols.

However, currently in Singapore, there is:

- No standardised clinical protocol for providing prompt MSK and physiotherapy care.
- No data to show the effectiveness of prompt physiotherapy care that benefit patients.

Project Aim

1. To improve early access to physiotherapy care (within 0-2 weeks) to improve patient's:





1. Pain

2. Function

3. Anxiety and

Depression

2. To develop a sustainable system to allow patients with MSK conditions early access to physiotherapy.

Lessons Learnt

- **Escalation and referral** \bullet criteria
- Outcome measures

Attain Community Partnership

Collaborate with our community partners and create referral pathways for further holistic care for our patients.

Track

Compare RAPID and Non-RAPID pain, functional and anxiety and depression scores.

Continually review patients' response and process through PDSA cycles to better meet system and patient needs.

Outcomes & Impacts

RAPID is now available in 6 NHG Polyclinics, from the initial 2. We also see an increased uptake of RAPID patients from FY19 to FY21. RAPID

NON RAPID

Non-RAPID

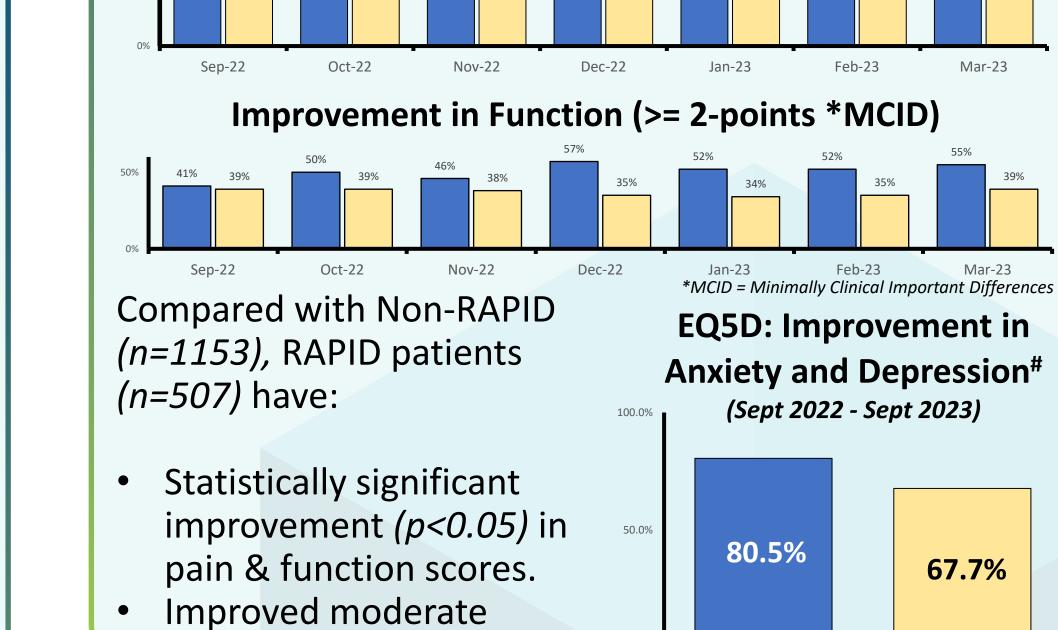
Improvement in Pain Score (>= 2-points *MCID) 8176

Early access to physiotherapy in primary care through RAPID has shown patient benefits in:

- 1. Reducing Pain
- Improving Function
- 3. Improving moderate/severe anxiety & depression

Better optimisation of primary healthcare resources requires continuous engagement with community service providers.

Polyclinics can successfully manage patients with moderate/complex MSK needs without need to go to hospital, while simple MSK conditions can be managed in the community.



anxiety/depression scores.

[#]Analysing those with at least moderate severity anxiety and depression or worse; n=46, 78 (RAPID vs Non-RAPID).

RAPID

al, Physical Therapy Referral from primary care for acute back pain with sciatica: a randomized controlled trial, Epub 2020 Oct 6

nent of musculoskeletal disorders and effects on patient outcomes: A syste port TE, et al. Journal of Orthopaedic & Sports Physical Therapy Feb 2016

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