The Biomedical Research and Informatics Living Laboratory for Innovative Advances of New Technologies in Community Mobility Rehabilitation

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PCHI Person-Centred Health Informatics

McGill Faculty of Medicine and Health Sciences

Personalized Continuity of Care

Flynn AJ, et. al. *Learn Health Sys*. 2018

Patient Portal

- Patient Reported Outcomes (PROMs)
- Wearables
- Interactive Online Treatment Plan
- Patient Education & Navigation
- Community Resources
- Self Management Dashboard

Clinician Portal

- Standardized Clinical Assessments
- Performance Based Outcomes
- Tele-Rehabilitation
- Coordination of Care
- Reminders For Best Practices
- Rehabilitation Intervention Decision Support

Evaluation Metrics

Predictive Analytics

Interdisciplinary Team / Interdisciplinary Treatment Plan

Standardized Intake / Assessment / Discharge

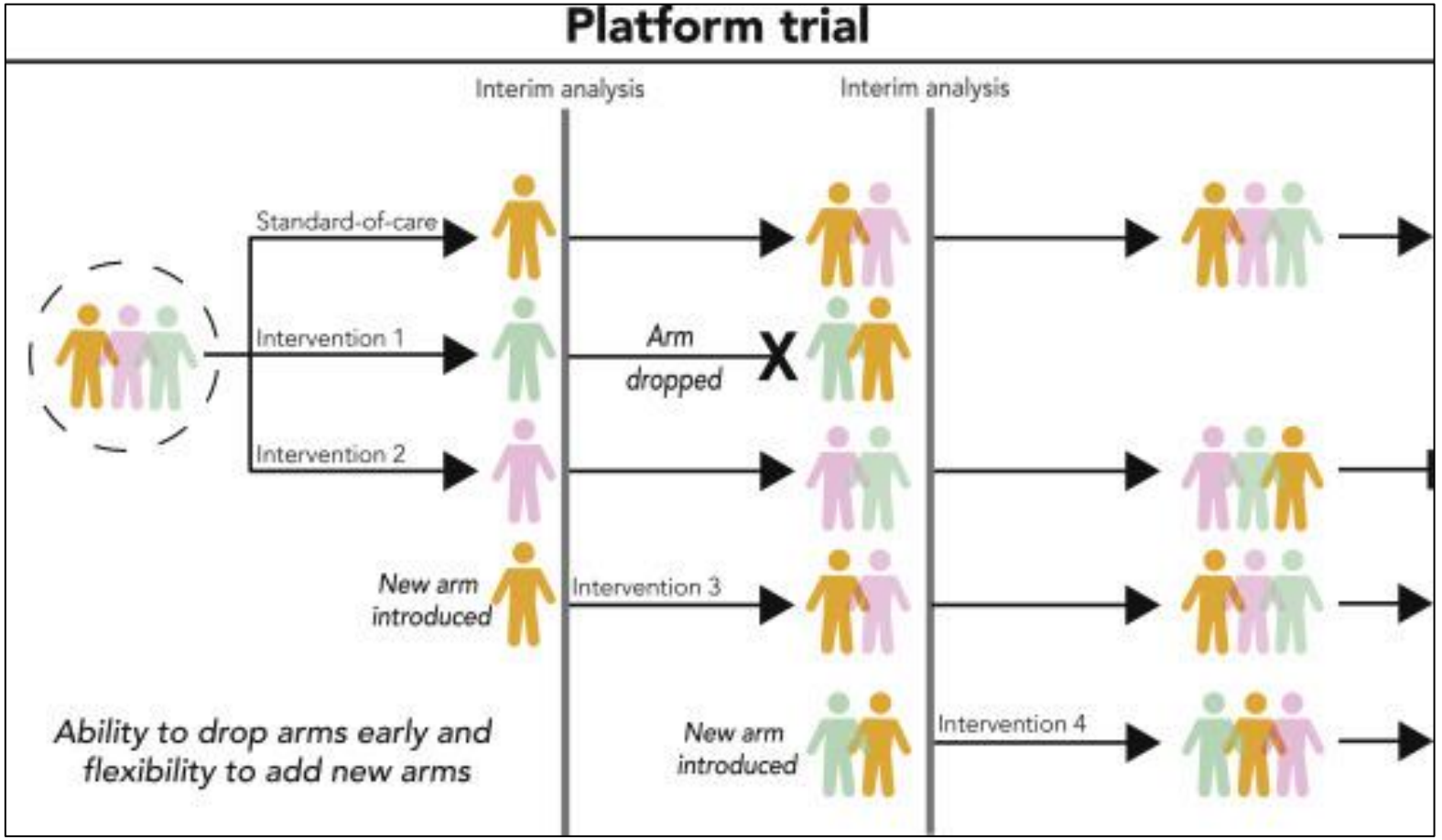
Admission → Hospital → In-patient / Out-patient Rehab → Community

Platform Trial using Reinforcement Learning

Interventions

Question: Many ABI symptoms do not have "many" options for treatment.

Do we need to prioritize symptoms / issues / gaps / problems that have multiple Rx's?



Dennis Radman, MSc, **PhD student, Rehabilitation Science**
Design for Behavioural Change: Evaluating the effect of technology design strategies to support rehabilitation outcomes among adults with neurological conditions

Thank you

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