Sustaining Innovative Practice Together: A Research to Practice (R2P) Approach



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Core R2P Team









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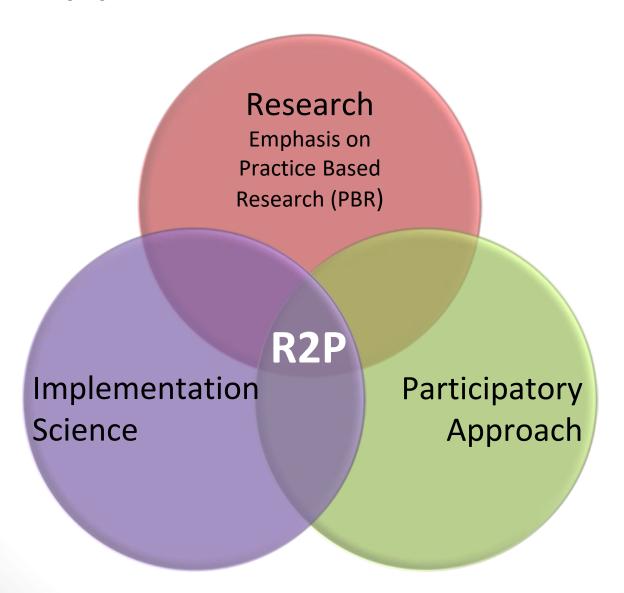


R2P Mission

To **integrate** research and clinical activities through the development of a collaborative, team and practice-based research approach to:

- Enhance clinical practice and improve patient and health system outcomes
- Lead and inform the field in priority areas

R2P Approach



Origin

Spinal Cord Injury Knowledge Mobilization Network:

- National community of practice: 7 rehabilitation centres and two sponsors
- Mission: Implement best practices to improve outcomes for persons with spinal cord injury (SCI)
- Key objective: Build implementation expertise and capacity across participating centres to facilitate sustainable implementation within and beyond SCI

Spinal Cord Injury Knowledge Mobilization Network









Key Learnings from KMN

A standardized approach to implementation **enables sustainability** (i.e., implementation science)

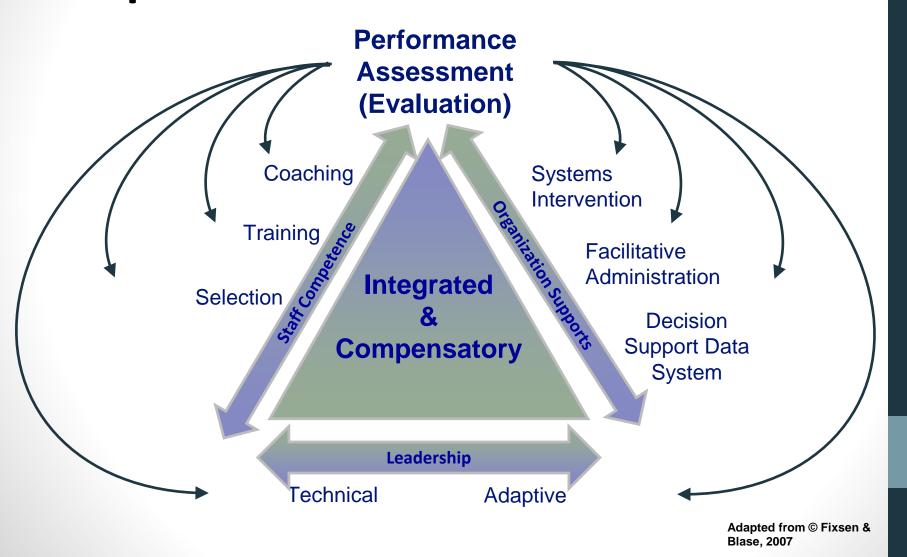
- Active Implementation Frameworks adapted from the National Implementation Research Network
- https://nirn.fpg.unc.edu/

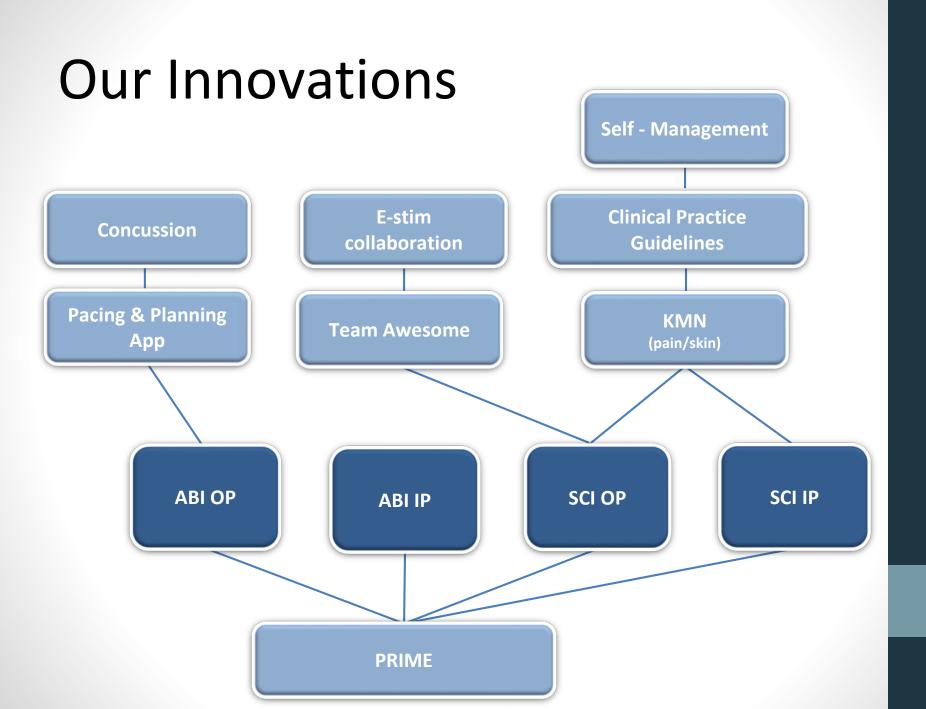


Our experiences outlined in ...

http://onf.org/documents/other-documents-and-resources/sci-kmn-implementation-guide

Key Implementation Framework = Implementation Drivers





Sustainability: Guiding R2P Principles

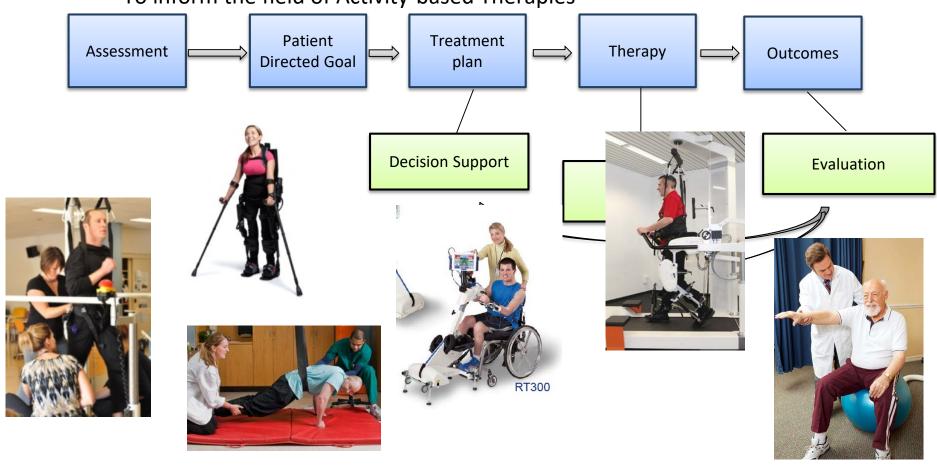
- Innovating Together
 - Co-design with relevant expertise
- Systematic Approach
 - Five R2P steps based on PBR/Implementation Science
- Building Capacity
 - Educating and training; developing knowledge and skills
- Hard-Wiring Infrastructure
 - Within structures, processes, and people

Parkwood Rehabilitation Innovations in Mobility Enhancement (PRIME)

Acquired Brain Injury, Spinal Cord Injury, Inpatient and Outpatient Programs

Goals:

- Providing the best therapies at the right time for better outcomes
- To inform the field of Activity-based Therapies

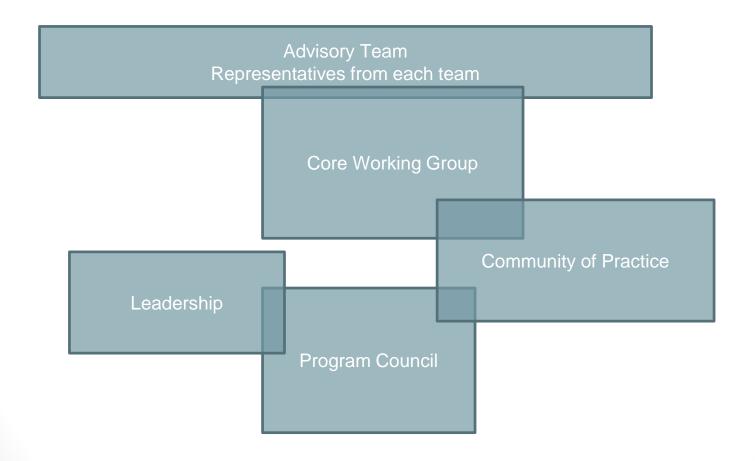


Innovating Together

- Form team(s) with relevant expertise
 - Persons with lived experience
 - Implementation Science
 - Content expertise
 - Project management
 - Evaluation/data
 - IT, etc.
- Participatory research paradigm
 - Co-creation
 - Early engagement
 - Stakeholders identify priorities

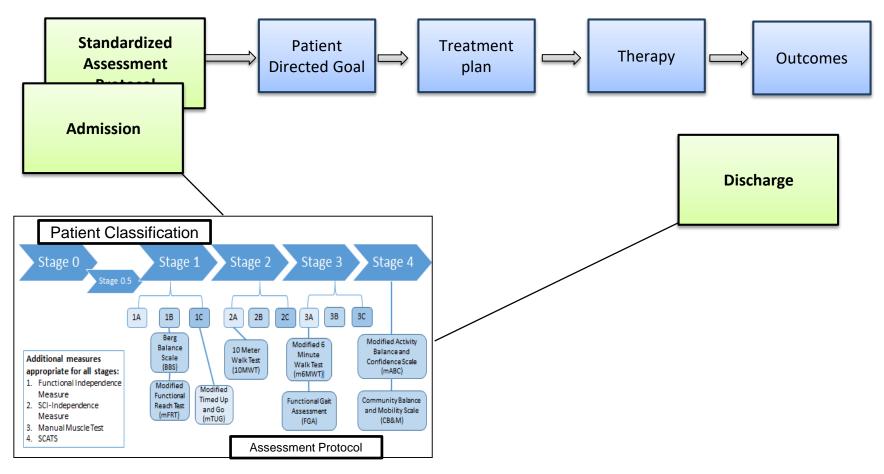


Innovating Together: PRIME

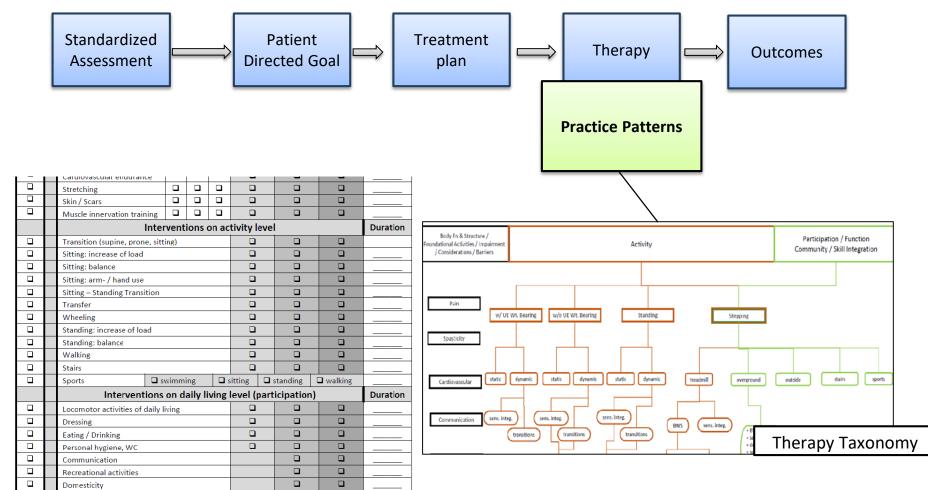


Step	Key Point(s)
1. Identify question (priority)	Use intentional processes that involve all stakeholders (e.g., clinicians, researchers, patients and administrators)
2. Form team	Bring people together with relevant expertise (e.g., subject matter, project management, evaluation, IT, etc.)
3. Define current & future state	Where are you now and where would you like to be?
4. Create data management strategy	Employ structured, systematic processes Identify methods of data management (collection, analysis, storage)
5. Implement and Improve	Use principles of Implementation Science

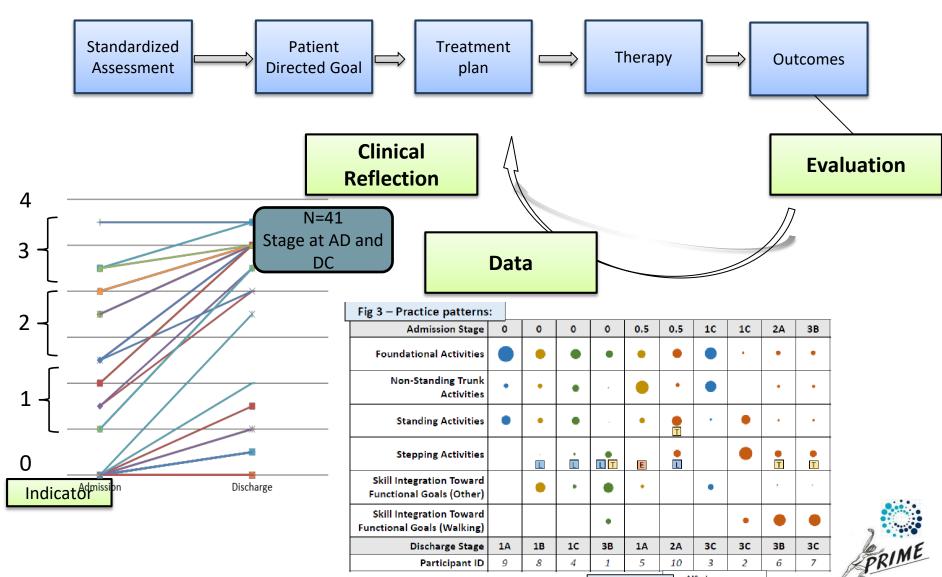
Adapted from Horn et al. 2012





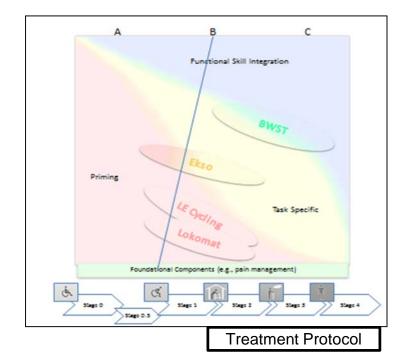








Treatment Recommendations

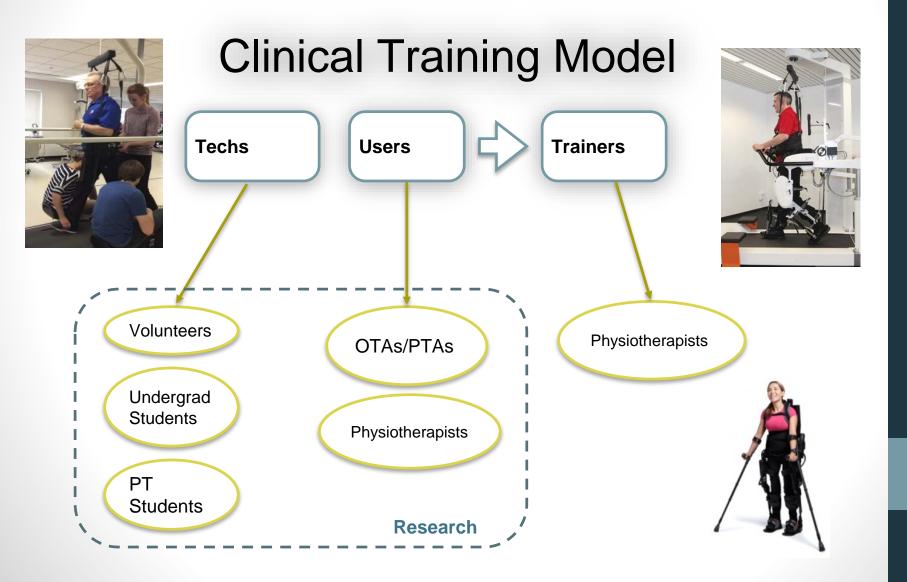




Building Capacity

- Building capacity across the team, which can then be shared with other team members and used across multiple initiatives
- Different models:
 - Train the trainer; Coaching; Mentorship
- Performance Assessment (Evaluation)
- Deeper understanding of different contexts and environments of team members of various backgrounds (i.e., research; clinical; administration; lived experience)

Building Capacity: PRIME

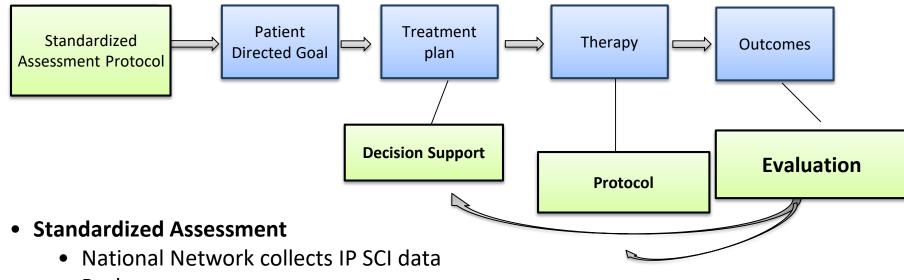


Hard-Wiring Infrastructure

Becoming business as usual

- Innovations (practices; processes; products; skills) are being used in daily practice
- Integrative culture Embed various team members and skill sets in everything we do
 - Existing processes
 - Existing structures (e.g., program council)
 - Existing teams

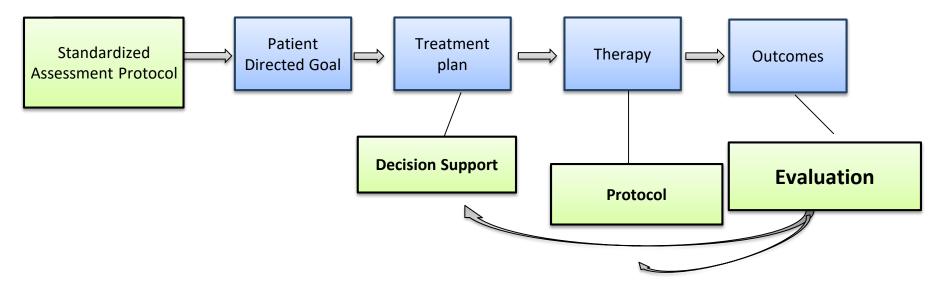
Hard-Wiring Infrastructure: PRIME



- Packages
- Practice Patterns
 - Standardized daily treatment flowsheets (paper) with categorization embedded
- Outcomes Data
 - Manual report generation by research team
- Protocol Revisions
 - Data-informed clinical decision making
- Clinical Reflection
 - Monthly Community of Practice meetings
 - More deliberate practice



Hard-Wiring Infrastructure: PRIME



IT System

- Online charting of assessment data and treatment sessions
- Data-analytics to compare demographics, outcomes and treatments
- Data driven treatment recommendations



Overcoming Challenges to Sustainability

- Consider different levels of sustainability
 - of specific practice
 - within a program/organization
 - across the health system
- Think "sustainability" from beginning and throughout entire process
- Explore alternative incentive models (currently varying incentives)
- View practice change as sustainable program initiatives (vs time limited projects; "protected time" for clinicians)
- Policies (incorporate policy review as part of practice change)
- Build Culture of INNOVATION (avoid "risk aversion")
- Facilitate knowledge and skills building in practice change process
- Need timely and responsive infrastructure to Evaluate, Evaluate, Evaluate----Act, Act, Act!

In all that you do, do it TOGETHER!

A Research to Practice Tale A <u>sustainable</u> happy valley



Questions