

Implementation Science Research Program

Transitioning from Phase 1 to Phase 2

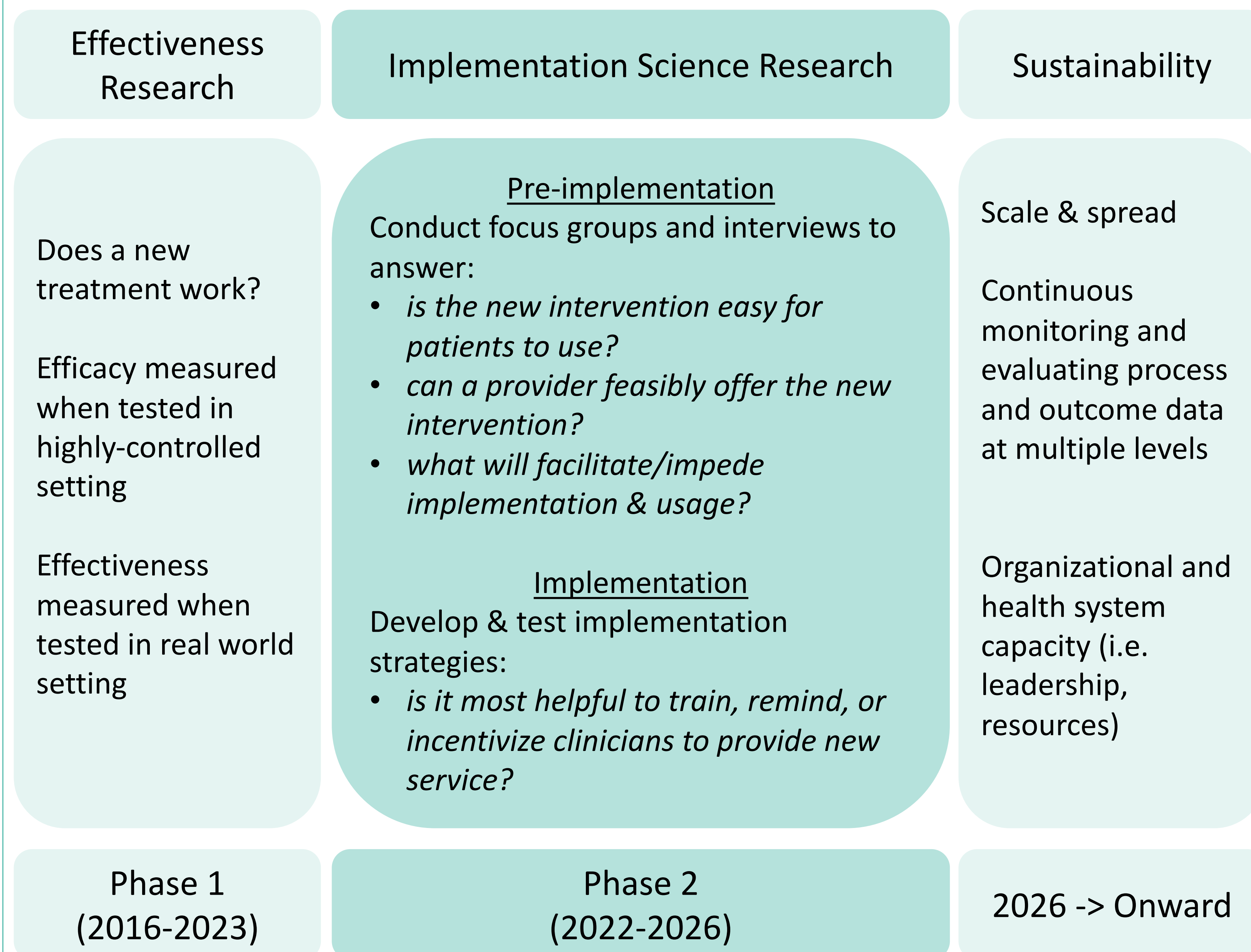
During Phase 1, CHILD-BRIGHT's 13 pan-Canadian research projects, developed and studied new diagnostic tests, therapies, service models, and technologies to optimize the physical and mental health of Canadian children born with brain-based developmental disabilities (BDD) and well-being of caregivers & families.

In Phase 2 (2022-2026), we study *how* to bring evidence-based interventions tested in controlled settings in Phase 1 into the real world.

Bringing evidence-based interventions from research into real world practice is a challenge. **Implementation science** studies how interventions interact with "real-world" settings. **Our goal** is identifying what needs to be in place for interventions to succeed in practice at scale.

What is Implementation Science Research?

Implementation science bridges the gap between developing and evaluating effective interventions and implementation in routine practice or policy to improve patient and population health.



Meet our Team

Program Co-Leads



Steven Miller



Janet Curran

Program Manager



Alan Cooper

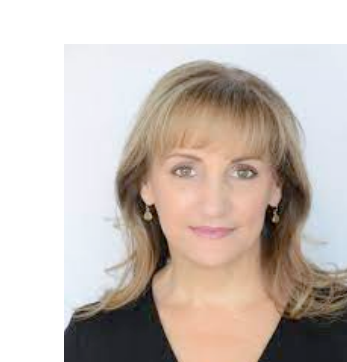
Implementation Science Experts



Andrea Patey



Christine Cassidy



Melanie Barwick



Stephanie Glegg



Sydney Breneol



Andre Bussieres

Our Project Development Pipeline: a collaborative & multi-programmatic approach



Phase 2 Project List

- 1) Improving developmental follow-up for children with congenital heart disease; Mike Seed *et al.*
- 2) *CHILD-BRIGHT Parent Voices*: improving follow-up for children born preterm; Thuy Mai Luu *et al.*
- 3) *CHILD-BRIGHT Interplay*: improving access to early manual therapy for children with cerebral palsy; Adam Kirton *et al.*
- 4) *CHILD-BRIGHT GRIP*: improving access to genome sequencing for children with BDD; Robin Haysens *et al.*
- 5) *PIUO*: implementing a diagnostic pain pathway in community clinics; Hal Siden *et al.*
- 6) Understanding factors that lead to funding of psychosocial interventions; Patrick McGrath *et al.*
- 7) *CHILD-BRIGHT Jooyay*: increasing participation in leisure activities for children with BDD; Keiko Shikako
- 8) Implementing treatments to improve emotional and behavioural self-regulation; Jennifer Crosbie
- 9) *CHILD-BRIGHT CCENT*: supporting parents transitioning from the NICU to home; Julia Orkin *et al.*
- 10) *CHILD-BRIGHT Coaching*: coaching parents of children with suspected developmental delays; Annette Majnemer *et al.*
- 11) *POE-NAS*: addressing prenatal opioid exposure in First Nation communities; Astrid Guttmann *et al.*
- 12) *MICYRN*: infrastructure for efficient pediatric patient-oriented research; Thierry Lacaze-Masmonteil

Our Commitment

Our projects will:

- use IS theories and frameworks
- track imp. and effectiveness metrics
- be grounded in POR methodology
- advance health equity
- build capacity for IS research in BDD

Legend

BDD: brain-based developmental disability; IS: Implementation Science; KM: Knowledge Mobilization; EDI-DI: Equity, Diversity, Inclusion, Decolonization & Indigenization; POR: Patient-Oriented Research