EMBED

Enhanced Measurement-Based Care Effectiveness for Depression

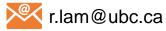
A Canada-China Implementation Project



Principal Investigators

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CIHR IRSC + Granadar Institutes de recherche of Health Research er samte du Canada







Study Aims

- Identify barriers and facilitators to measurement-based care (MBC) in China
- Adapt a Canadian enhanced MBC (eMBC) program for the Chinese health care setting
- Compare the effectiveness of eMBC vs. standard MBC for physician implementation and clinical outcomes
- Build knowledge and capacity for scale up in China and beyond

Canada	 University of British Columbia University of Alberta University of Toronto Queen's University
China	Shanghai Mental Health CentrePeking University
International	 University of Melbourne University of Michigan University of California, Davis Boston University
Organizations	 Mood Disorders Society of Canada APEC Digital Hub for Mental Health CANMAT CAN-BIND

Affiliated with



Digital Hub for Mental Health

mentalhealth.apec.org













Enhanced measurement-based care (eMBC)

- Online and mobile apps to empower patients to track their own outcomes
- Reminder systems for follow up (in-app notifications, email, WeChat)
- Online- and computer-assisted self-management
- Telephone and WeChat coaching of self-management (Bounce Back)

















Phase 1 (1.5 years, 2018-2019)

- Set up a Chinese Project Action Group
- Conduct a comprehensive Situational Analysis
- Identify barriers and enablers to eMBC at patient, physician, clinic and system levels
- Create and pilot the eMBC tools
- Create and pilot the eMBC implementation program

Phase 2 (3.5 years, 2019-2022)

- Finalize the implementation, clinical and economic outcome measures
- Conduct an adaptive, cluster-randomized trial of eMBC implementation
- Involve 12 centres, 240 physicians, 1200 patients
- EMR-, telephone- and internet-rated outcomes at 0, 6 and 12 months
- Qualitative outcomes













Phase 1 – Overarching Goals

• Create a project platform to exchange knowledge and build capacity



- Conduct Situational Analysis to understand barriers and enablers of effective implementation of eMBC
- Adapt and create the eMBC program, design training programs, refine outcome metrics

"A situation analysis is an assessment of the current health situation and is fundamental to designing and updating national policies, strategies and plans."

- World Health Organization

Situational analysis:

- Provides an in-depth understanding of the current context for implementation
- Identifies barriers and drivers to successful implementation at multiple levels of a health system
- Enables design of acceptable, appropriate and feasible interventions
- Allows better planning, intervention design, and engagement
- Informs planning for sustainability and preparation for scale-up













Phase 1 – Milestones

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Methodological approaches to situational analysis in global mental health: A scoping review

Jill Murphy, Erin E. Michalak, Heather Colquhoun, Cindy Woo, Chee H. Ng, Sagar V. Parikh, Jun Chen, Larry Culpepper, Carolyn S. Dewa, Andrew J. Greenshaw, Yanling He, Sidney H. Kennedy, Xin-Min Li, Tian Li Liu, Claudio N. Soares, Zuowei Wang, Yifeng Xu, Raymond W. Lam



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- July 2019: Held implementation science outcome working meeting in Vancouver
- September 2019: Completed data collection for Phase 1 Situational Analysis





Phase 1 – Challenges and Successes

- Timeline delays related to time for translation, cultural adaptation of materials and licensing processes
- Administrative challenges for travel between countries
- Successful team-building for investigators, staff and students
- Excellent engagement on Phase 1 data collection





Policy Engagement

- Presentation on MBC at the Chinese Society of Psychiatrists annual conference in Chengdu in August, 2019
- Discussion, presentations and signing of MOUs for research collaborations with Shanghai Mental Health Centre (Dr. Yifeng Xu), Beijing Anding Hospital (Dr. Wang Gang) and Mental Health Institute of Central South University in Changsha (Dr. Zhou Zhiguang).
- EMBED introduced via the APEC Digital Hub for Mental Health and the 3rd APEC Senior Officials meeting in Puerto Varas, Chile in August 2019



