

ECHO Ontario

Annual Report 2021/22



Table of Contents

- INTRODUCTION: Message from the ECHO Ontario Superhub..... 4
- SECTION 1: Project ECHO in Ontario..... 5
- SECTION 2: 2021/22 at a glance..... 20
- SECTION 3: Working together to support a high-performing health care system in Ontario... 27
- SECTION 4: Supporting healthcare providers in delivering care during the pandemic..... 32
- Appendices..... 35

MEET THE TEAM



Eva Serhal,
PhD, MBA

Senior Director | ECHO
Ontario Superhub



Dr. Allison Crawford,
MD, PhD

Co-Chair | ECHO
Ontario Superhub



Dr. John Flannery,
MD

Co-Chair | ECHO
Ontario Superhub



Rhonda Mostyn,
DC

Member | ECHO
Ontario Superhub



Maurey Nadarajah,
MHA(CC), PMP

Member | ECHO
Ontario Superhub

A message from the ECHO Ontario Superhub

ECHO programs in Ontario continue to meet providers needs by building learning communities that improve knowledge and confidence, and promote resilience. In 2021/22, there were **37** ECHO programs in Ontario, in the areas of autism, bariatric care, chronic pain, COVID-19, epilepsy, geriatric care, mental health, opioid use, and pediatric care. These programs were delivered through nine organizations: Baycrest, CAMH, Children's Hospital of Eastern Ontario, Holland Bloorview Kids Rehabilitation Hospital, The Hospital for Sick Children, Ontario Bariatric Network, Ontario Epilepsy Network, St. Joseph's Care Group and UHN. This year, ECHO programs in Ontario collectively reached **3702** diverse health care providers from **2032** organizations, showing significant adoption and integration of the ECHO model in the province.

The ECHO Ontario Superhub is a collaboration between the Centre for Addiction and Mental Health (CAMH) and the University Health Network (UHN). Working with the ECHO Institute in New Mexico and the Ontario Ministry of Health, the Superhub promotes high-quality implementation of the ECHO model, and supports alignment and integration across the ECHO community and within Ontario's health care system. This year the ECHO Ontario Superhub had the pleasure of delivering three separate virtual immersion trainings to **22** different ECHO hubs, and an annual conference connecting **135** health care and related professionals.

There have been some slight decreases in health provider participation over the last year. This follows record high numbers in the 2020/21 fiscal year. Even with a small decrease in participation, we have grown overall each year. In the past year, workplace burden and professional burnout have been well documented among healthcare providers globally. We will continue to monitor whether this has had an impact on availability to participate in ECHO. We balance this with participant feedback that ECHO remains a trusted source of community, knowledge, and support for health care providers in Ontario.

We thank our funder, the Ministry of Health, for its support and dedication to continuous improvements within our health care system, and its commitment to equity of care for patients. The Ministry's ongoing funding of the ECHO project means that more health care providers will be empowered to provide the right care, in the right place, at the right time.

1

Project ECHO in Ontario

What is Project ECHO?

Project ECHO (Extension for Community Healthcare Outcomes) is an innovative “hub and spoke” education model that aims to help healthcare providers build capacity in the treatment and management of complex health conditions. The model leverages videoconferencing technology to connect specialists with primary care providers, elevating knowledge and skills, enabling primary care to manage complex challenges in their communities.

The project works to:

- Empower healthcare providers to use best practices.
- Reduce the need for specialist visits.
- Improve quality of specialty care in Ontario’s primary and community care settings.



ECHO Ontario

We are Dedicated to Building a Sustainable Health Care System

Mission

To build capacity through virtual communities of practice for health care providers in Ontario that will increase access to specialized health care, improve patient outcomes and create health equity.

Vision

A virtual community advancing the best health care in Ontario.



How we are building a high-quality, connected health care system

ENGAGE



ECHO Ontario **engages** system leaders, patients and health care providers to build a community of practice. Through this community we share knowledge to improve the health care of Ontarians.

INTEGRATE



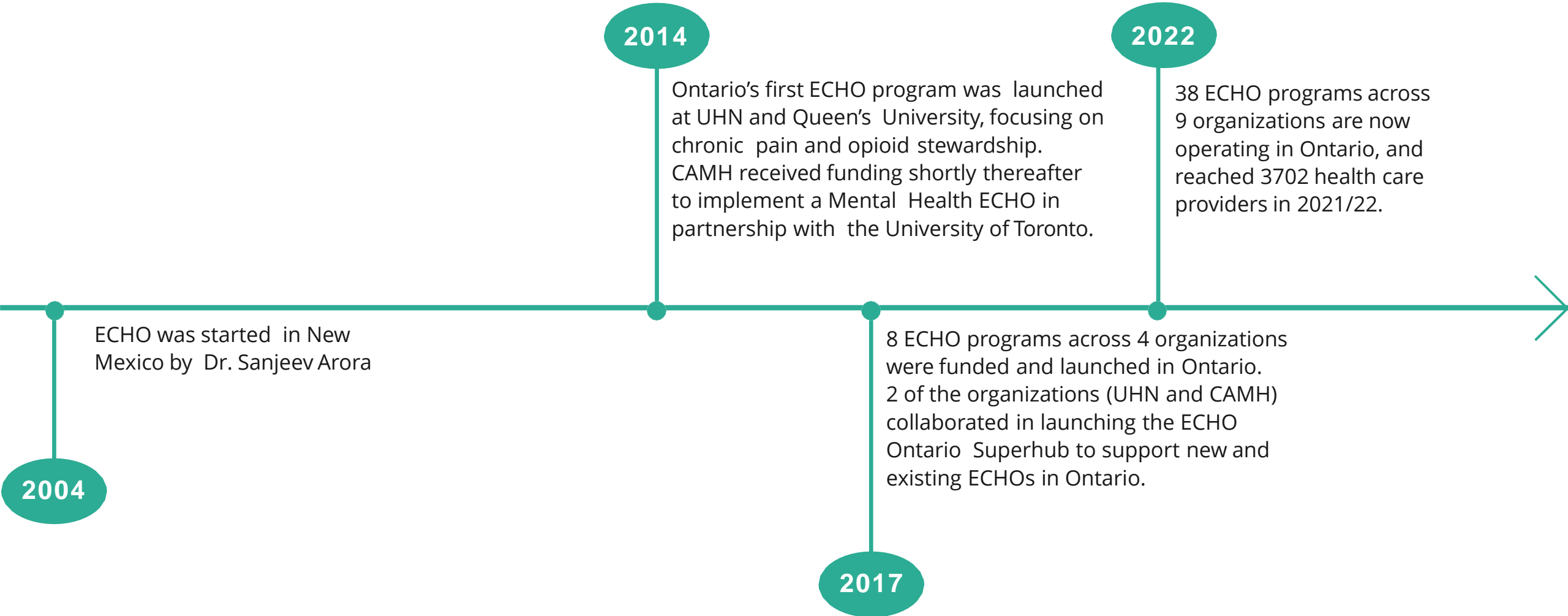
ECHO Ontario co-ordinates the **integration** of the ECHO model into the Ontario health care system to create equitable health care access and efficiencies.

IMPACT



ECHO **impacts** the lives of patients, the practice of providers and the quality of the health system. ECHO Ontario achieves improved, measurable health care and patient outcomes through research, quality improvement and education.

ECHO timeline



Meet our Ontario ECHOs

2021/22 was our most impactful year yet.

In 2021/22, **9** organizations in Ontario delivered **38** ECHO programs on priority topics across the health system.

Here is a summary of each ECHO program and sessions over the past year.

Baycrest (in collaboration with North East Specialized Geriatric Centre)

ECHO Care of the Elderly focuses on improving the quality of care of older adults in Ontario, by increasing the knowledge and skills of primary care providers in meeting this population's health care needs.

ECHO Programs:

- Care of the Elderly - Community
- Care of the Elderly - Dementia
- Care of the Elderly - Long-Term Care

40

Sessions Held
(2021/22)

Centre for Addiction and Mental Health (CAMH)

ECHO Ontario Mental Health aims to support evidence-based management and treatment of mental illness and addictions in Ontario, reducing disparities in access to specialty care and variation in quality of care.

ECHO Programs:

- Mental Health
- First Nations, Inuit and Métis Wellness
- Addiction Medicine and Psychosocial Interventions (in collaboration with St. Michael's Hospital)
- Obsessive Compulsive Disorder (in collaboration with Sunnybrook Health Sciences Centre)
- Trans and Gender Diverse Healthcare
- Structured Psychotherapy
- Integrated Mental and Physical Health
- Adult Intellectual and Developmental Disabilities
- Early Psychosis Intervention *externally funded (i.e. Federal Grants, Research Grants, Philanthropy)
- Canada Adult Intellectual & Developmental Disabilities *externally funded (i.e. Federal Grants, Research Grants, Philanthropy)
- Coping with COVID *externally funded (i.e. Federal Grants, Research Grants, Philanthropy)
- Canada Suicide Prevention Service *externally funded (i.e. Federal Grants, Research Grants, Philanthropy)
- Arctic Youth Wellbeing *externally funded (i.e. Federal Grants, Research Grants, Philanthropy)

175

Sessions Held
(2021/22)

Note: Number of sessions presented is based on Ministry of Health funded programs

Children's Hospital of Eastern Ontario (CHEO)

ECHO Ontario Child and Youth Mental Health is a collaborative learning program through which primary care providers (PCPs) and mental health clinicians work together to care more effectively for children and adolescents with mental health problems. The program aims to change the diagnostic, prescribing, treatment and referral practices of PCPs, by providing them with evidence-based best practice guidelines and treatment recommendations, and linking them to community mental health agencies and services in their own regions.

ECHO Programs:

- Child and Youth Mental Health

56

Sessions Held
(2021/22)

Holland Bloorview Kids Rehabilitation Hospital

ECHO Ontario Autism aims to build province-wide community capacity to screen, diagnose and provide ongoing care to children and youth with autism spectrum disorder (ASD) in Ontario. The program hopes to reduce wait times for diagnoses by increasing the diagnostic capacity of community paediatricians, physicians and nurse practitioners. This will allow families greater access to timely diagnoses, closer to home. The program also aims to build capacity for the ongoing care of children with ASD, who may have multiple comorbidities. The overall goal is to reduce the need for diagnosis and ongoing follow-up at tertiary care centres, and thereby ensure that access to specialized care is reserved for the most complex cases.

ECHO Programs:

- Autism (for Physicians and NPs)
- Autism Psychology *externally funded (i.e. Federal Grants, Research Grants, Philanthropy)
- Autism Education *externally funded (i.e. Federal Grants, Research Grants, Philanthropy)
- Autism and Extremism *externally funded (i.e. Federal Grants, Research Grants, Philanthropy)

24

Sessions Held
(2021/22)

Note: Number of sessions presented is based on Ministry of Health funded programs

St. Joseph's Care Group (in collaboration with The Ottawa Hospital)

ECHO Chronic Pain and Opioid Stewardship North builds capacity, knowledge, and confidence in primary care in rural and remote communities in Northern Ontario. The ECHO focuses on complex patient management in chronic pain and opioid stewardship.

ECHO Programs:

- Chronic Pain and Opioid Stewardship (North)
- ECHO SJCG Indigenous Chronic Pain & Substance Use
- ECHO SJCG Adult Palliative Care *externally funded (i.e. Federal Grants, Research Grants, Philanthropy)

50

Sessions Held
(2021/22)

Note: Number of sessions presented is based on Ministry of Health funded programs

The Hospital for Sick Children (SickKids)

Paediatric Project ECHO delivers four programs that build a community of practice to provide educational support and expertise to interdisciplinary health care professionals. The goal of these programs is to improve providers' knowledge and confidence and to translate learning into practice.

ECHO Programs:

- Paediatric Pain
- Paediatric Obesity Management
- Paediatric Complex Care
- Paediatric Palliative Care (in collaboration with CHEO)

60

Sessions Held
(2021/22)

University Health Network (UHN)

ECHO Ontario at UHN delivers five programs offering case-based learning for complex clinical conditions. Healthcare providers gain knowledge and skills in these areas, increasing capacity for management of these conditions in communities across Ontario.

ECHO Programs:

- Chronic Pain and Opioid Stewardship
- Liver
- Rheumatology
- Concussion
- Managing COVID-19 in the Community

169

Sessions Held
(2021/22)

Ontario Bariatric Network (OBN)

(Guelph General Hospital, Humber River Hospital, Kingston Health Sciences Centre, St. Joseph's Healthcare Hamilton, The Ottawa Hospital, Thunder Bay Regional Health Sciences Centre, Toronto Western Hospital)

ECHO OBN aims to build capacity in primary care providers to provide evidence-based specialty care, by linking them with an interdisciplinary team of specialists from seven Bariatric Centres of Excellence across Ontario to share best practices in post-bariatric care and obesity management.

ECHO Programs:

- Ontario Bariatric Network

84

Sessions Held
(2021/22)

Ontario Epilepsy Network

(Hamilton Health Sciences, McMaster Children's Hospital, Kingston General Hospital, London Health Science Center, Children's Hospital of Western Ontario, Children's Hospital of Eastern Ontario, The Ottawa Hospital, The Hospital for Sick Children, Toronto Western Hospital)

Project ECHO Epilepsy aims to increase healthcare provider access to evidence-based best-practice epilepsy care knowledge. The program supports primary care providers in developing speciality expertise and building local capacity to improve the management of epilepsy for patients in Ontario.

ECHO Programs:

- Project ECHO Epilepsy in Children and Youth
- Project ECHO Epilepsy in Adults
- Project ECHO Epilepsy and Genetics
- Project ECHO: Epilepsy Neurology Trainee Program

104

Sessions Held
(2021/22)

2

2021/22 at a glance

Our collective reach this year

3702

Health care provider participants

5% decrease from FY 2020-21

2032

Health care organizations

8% decrease from FY 2020-21

732

Patient cases discussed

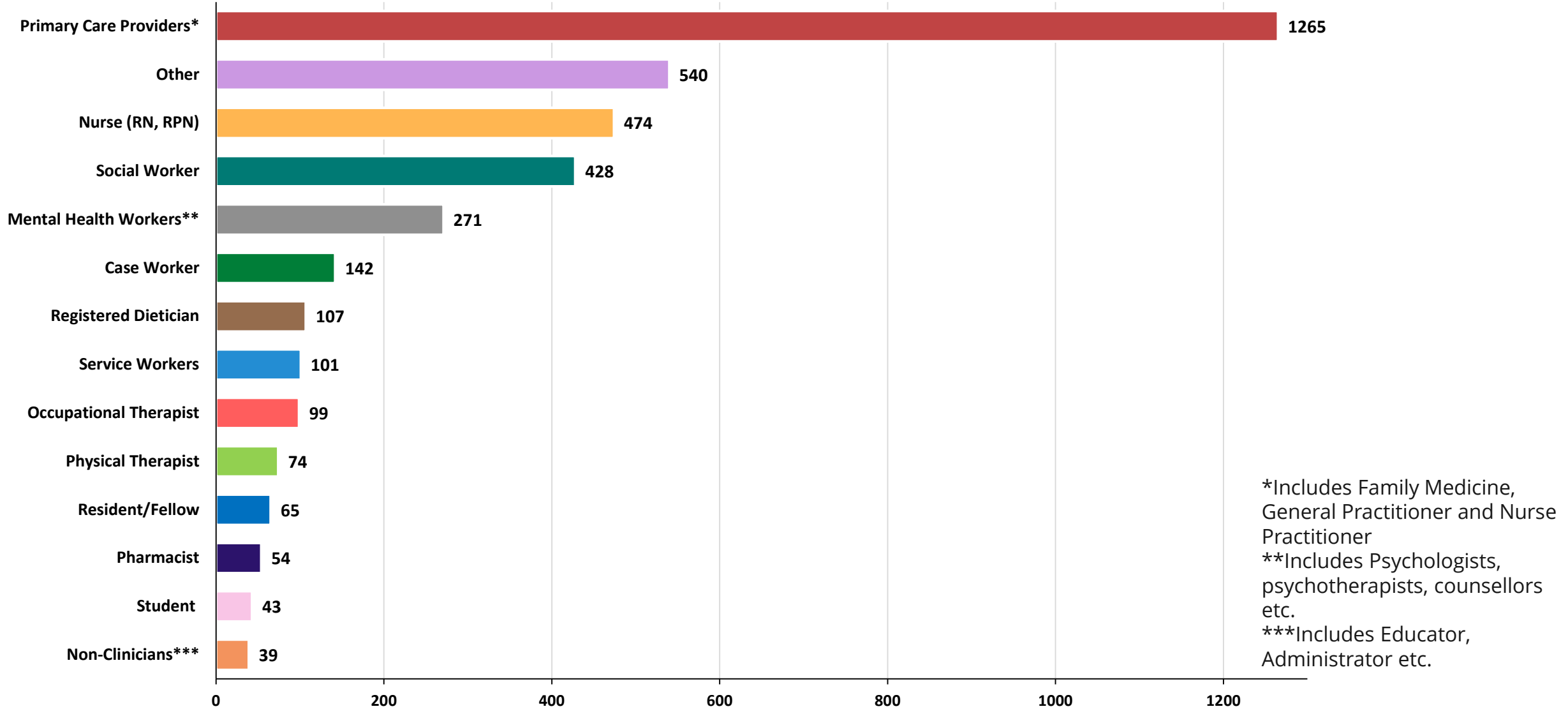
4% increase from FY 2020-21

988.5

Number of CME Credits per Program Awarded by the Certifying Agency*

**Calculated based on accredited hours per session x total # of sessions, aggregated across all ECHOs*

Participants by profession

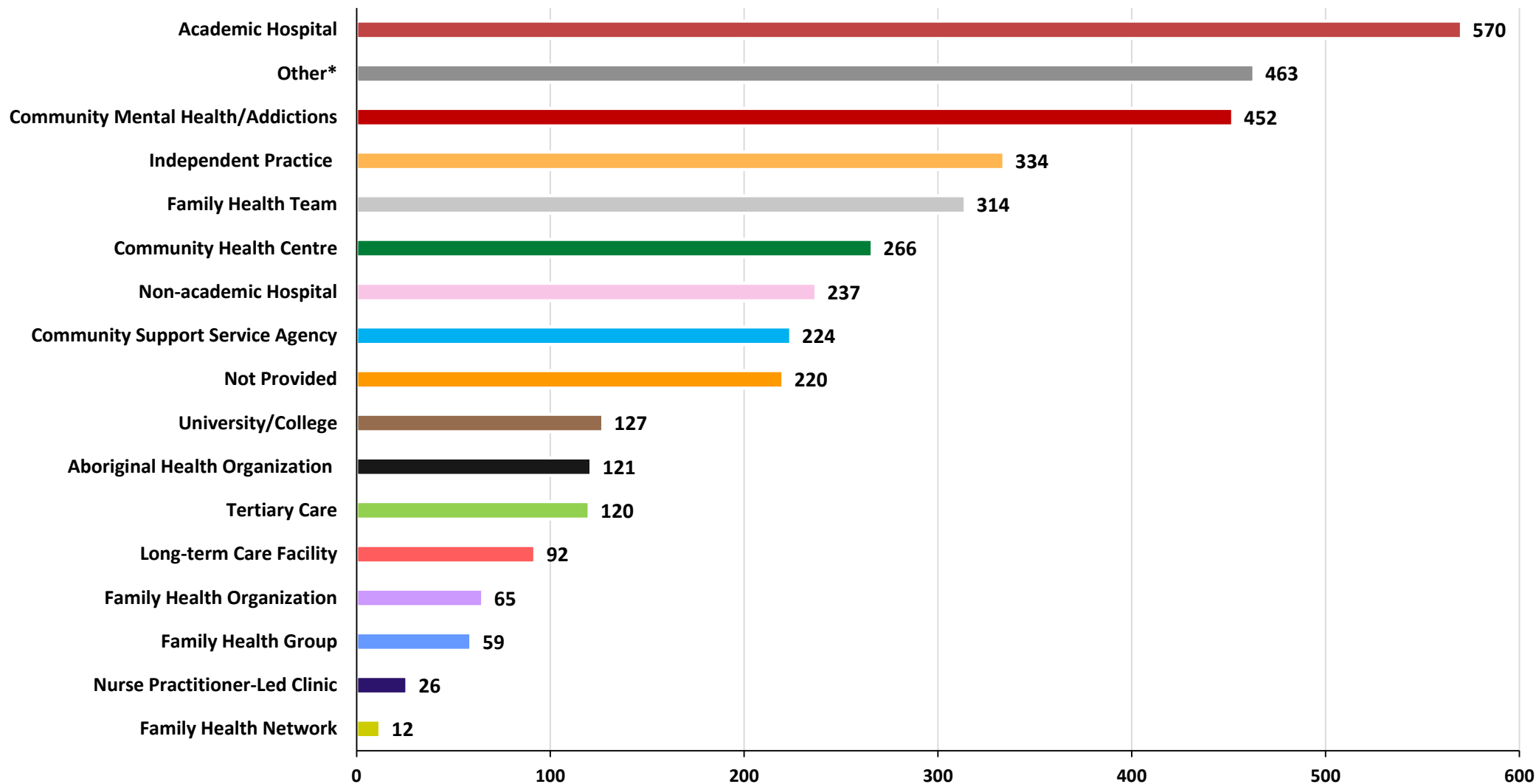


*Includes Family Medicine, General Practitioner and Nurse Practitioner

**Includes Psychologists, psychotherapists, counsellors etc.

***Includes Educator, Administrator etc.

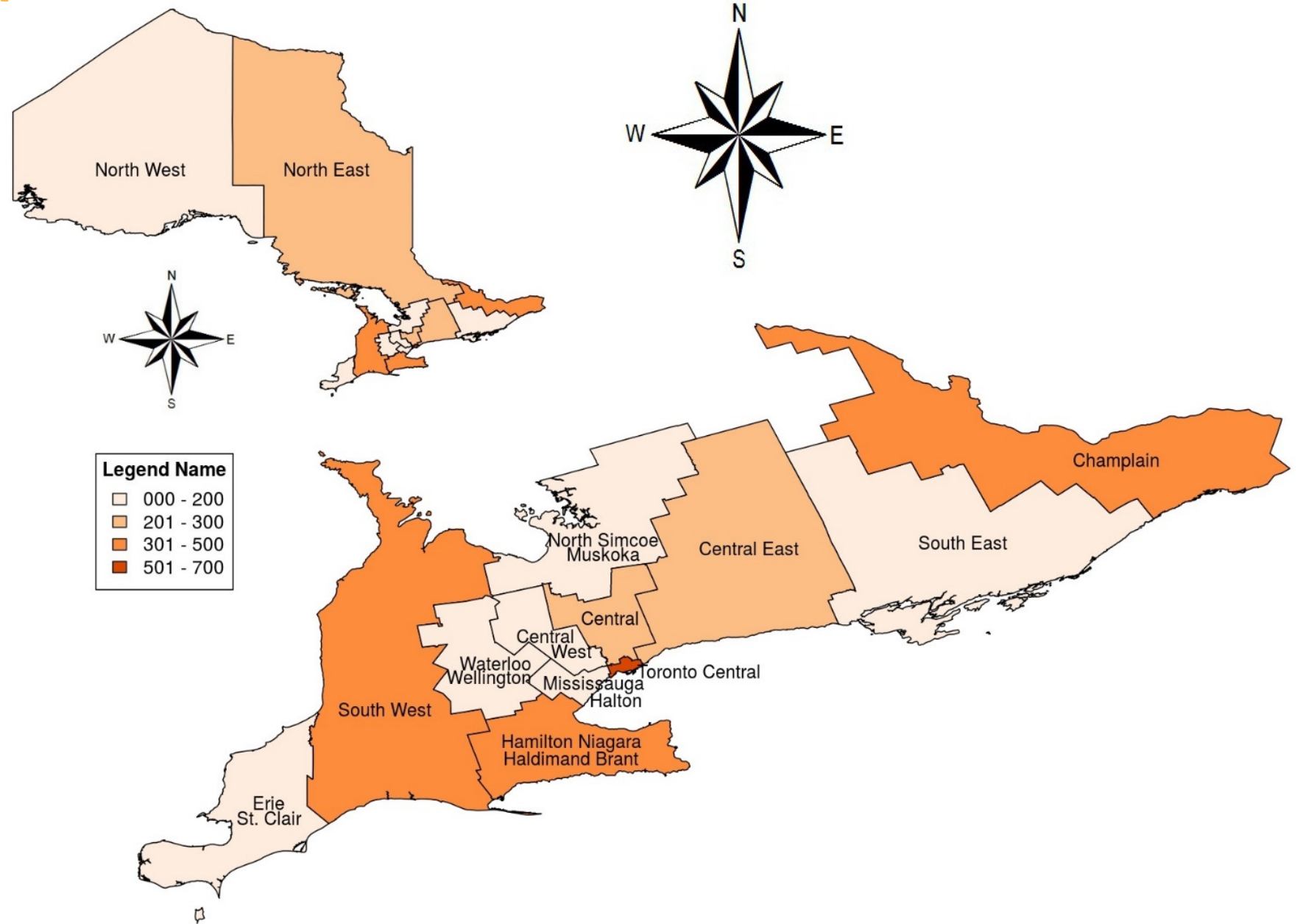
Participants by practice type



* Includes Not for Profit, Elementary/high school, Public Health Unit, etc.

Participants by LHIN

- ECHO Ontario participants (n=3262) by Local Integrated Health Network
- 440 Participants from Out of Province (n=3702 total)



We're sharing our successes with our partners for health

In 2016, with the support of Ontario's Ministry of Health, ECHO Ontario Mental Health at CAMH partnered with ECHO Ontario Chronic Pain & Opioid Stewardship at UHN and Queens to launch the ECHO Ontario Superhub.

The ECHO Ontario Superhub continued to provide guidance, training, and support for the replication, successful implementation, and maintenance of present and future provincial, national and international ECHOs. To date, the Superhub has supported the implementation of **56** ECHOs from **51** organizations across **4** countries.

2 Half-day Virtual Immersion Training Events

Virtual Immersion takes place using Zoom video conferencing. This 2 half-day virtual training aims to provide in-depth, practical information about how to launch an ECHO and ensure high quality and fidelity to the model.

The agenda includes discussion about incorporating people with lived experience, evaluation & research, education, replication, implementation, IT, data and privacy, and facilitation. It also provides an opportunity for participants to run a mock ECHO session.

3

Virtual Immersion
Trainings Held
(2021/22)

84

People Attended
Training
(2021/22)

We're also bringing ECHOs together

The ECHO Ontario Superhub promotes collaboration, fosters relationships and builds networks between ECHOs within Ontario, nationally and globally.

In 2021/22 the ECHO Ontario Superhub led the following initiatives:

- Hosted the ECHO Ontario Conference (virtually) with **135** participants from across Ontario
- Facilitated the development of an ECHO Ontario consolidated annual report that highlighted the collective provincial impact from **29** ECHOs
- Launched a refreshed ECHO Ontario website
- Hosted monthly Project Manager meetings to share best practices, innovative ideas and program updates, including the development of a strategic plan

In 2021/22 we have provided training and mentorship to:

40

Ontario
ECHO Hubs

11

Out-of-Province
ECHO Hubs*

**Note: Training for ECHOs out-of-province was provided through a cost recovery model.*

3

Working together to support
a high-performing health
care system in Ontario

Participants are highly satisfied with ECHO Ontario programs

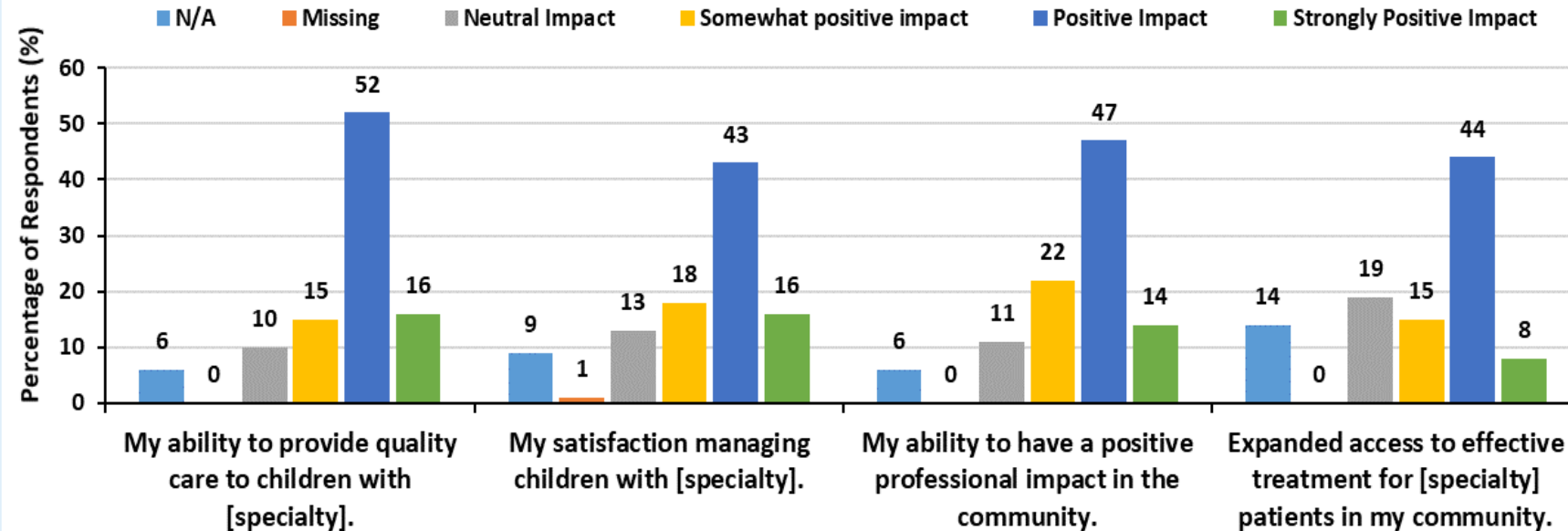
“ECHO has strengthened our clinic’s approach through sharing of EBP, clinical pearls and Community of Practice conversations. Thank You so much for this incredible opportunity and for the difference it will make across communities.”

- Participant, ECHO Child and Youth Mental Health

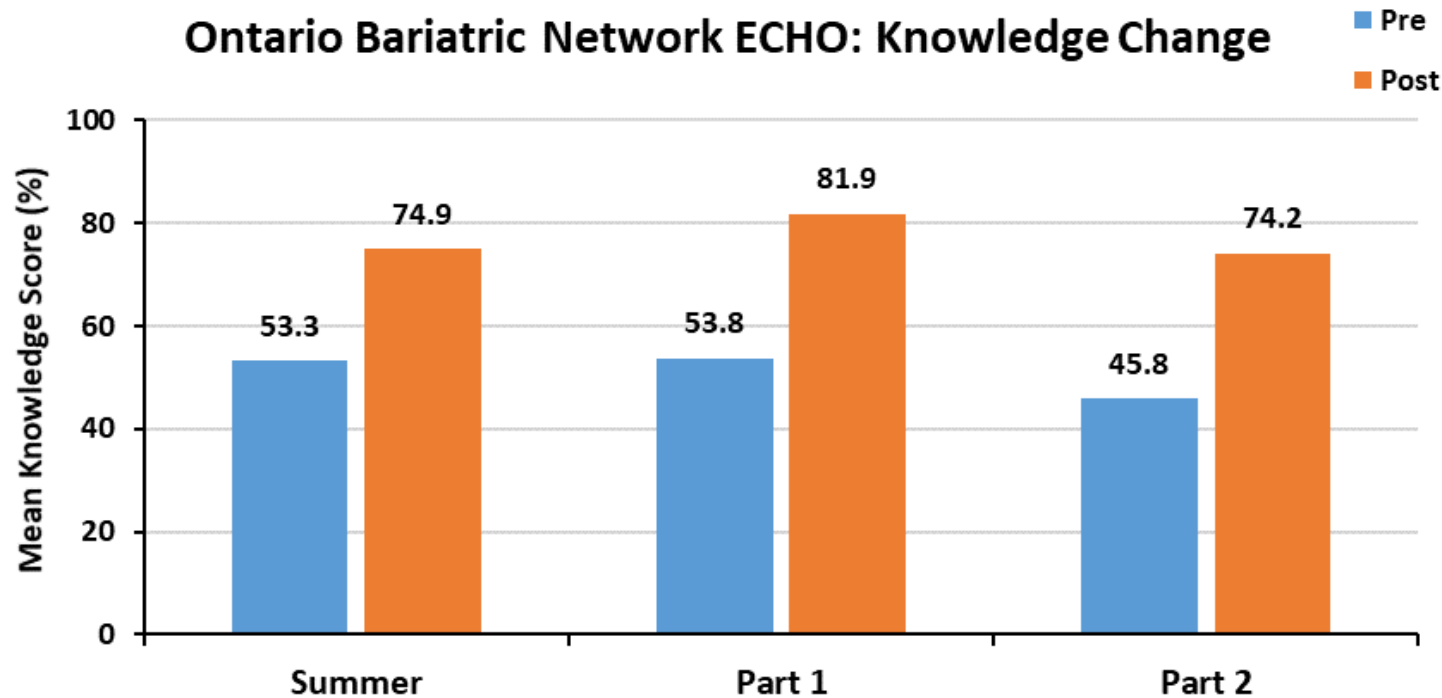
“ECHO is a great way to connect with other specialists, especially in northern Ontario. It really is connecting us to the more urban centres and I also think it’s good for others to see the work that we’re doing in northern Ontario”

- Participant, ECHO COVID

SickKids Paediatric ECHOs: Participant Satisfaction



We are seeing a change in knowledge across ECHO Ontario participants



“The amount of knowledge and expertise in that one Zoom chat each week was amazing, and it was a supportive learning environment. I learned a lot of skills and strategies that I will continue to use in my practice”

- **Participant, ECHO Obsessive Compulsive Disorder**

We are seeing a change in confidence across ECHO Ontario participants

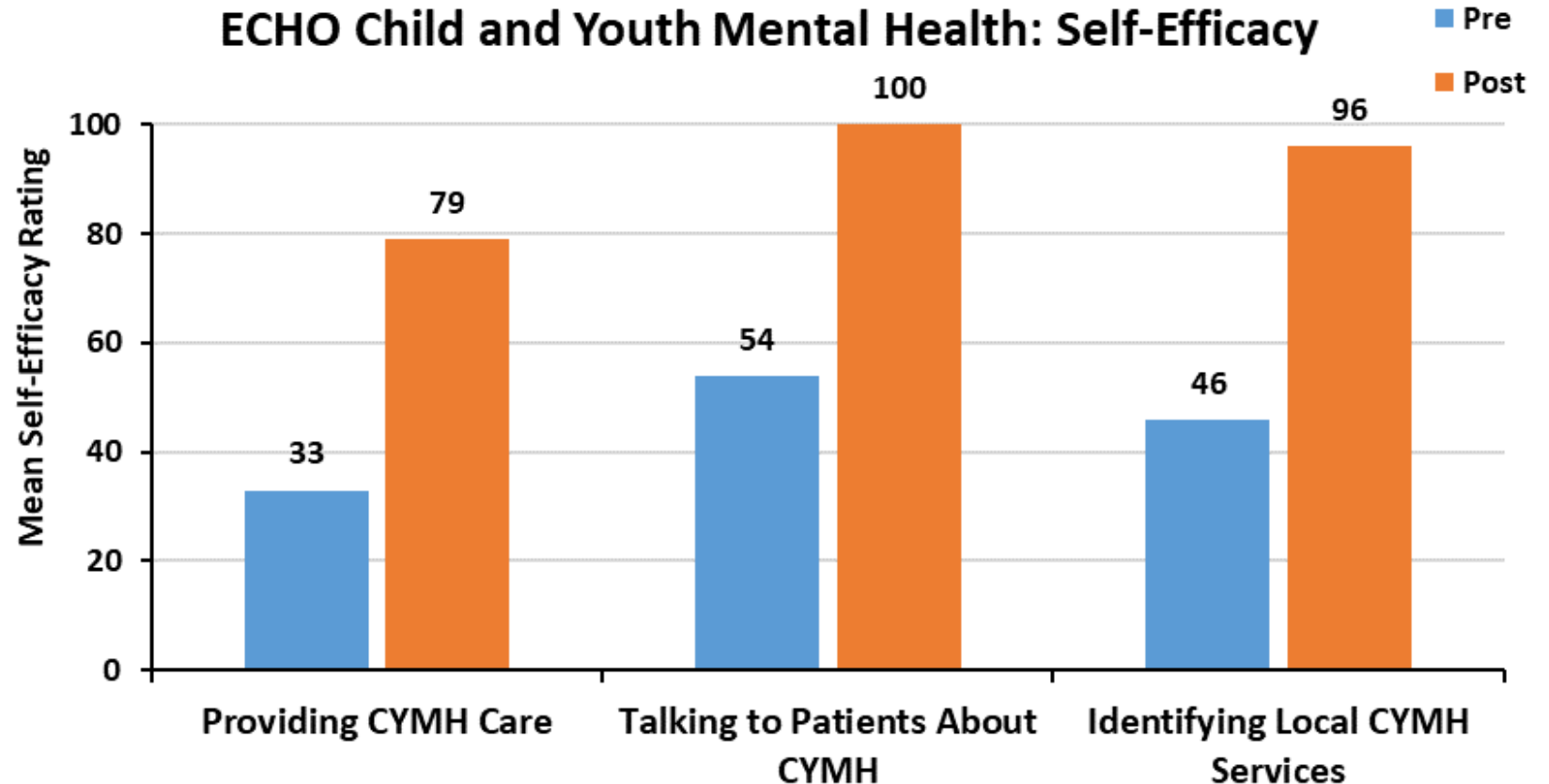
“The program made me more confident managing my epilepsy patients and has allowed me to continue to manage them myself rather than needing to refer to an epilepsy centre.”

- Participant, ECHO Epilepsy

“This learning series is one of the best out there and is truly accessible to a range of care providers including allied health, primary care, caregivers, educators etc.”

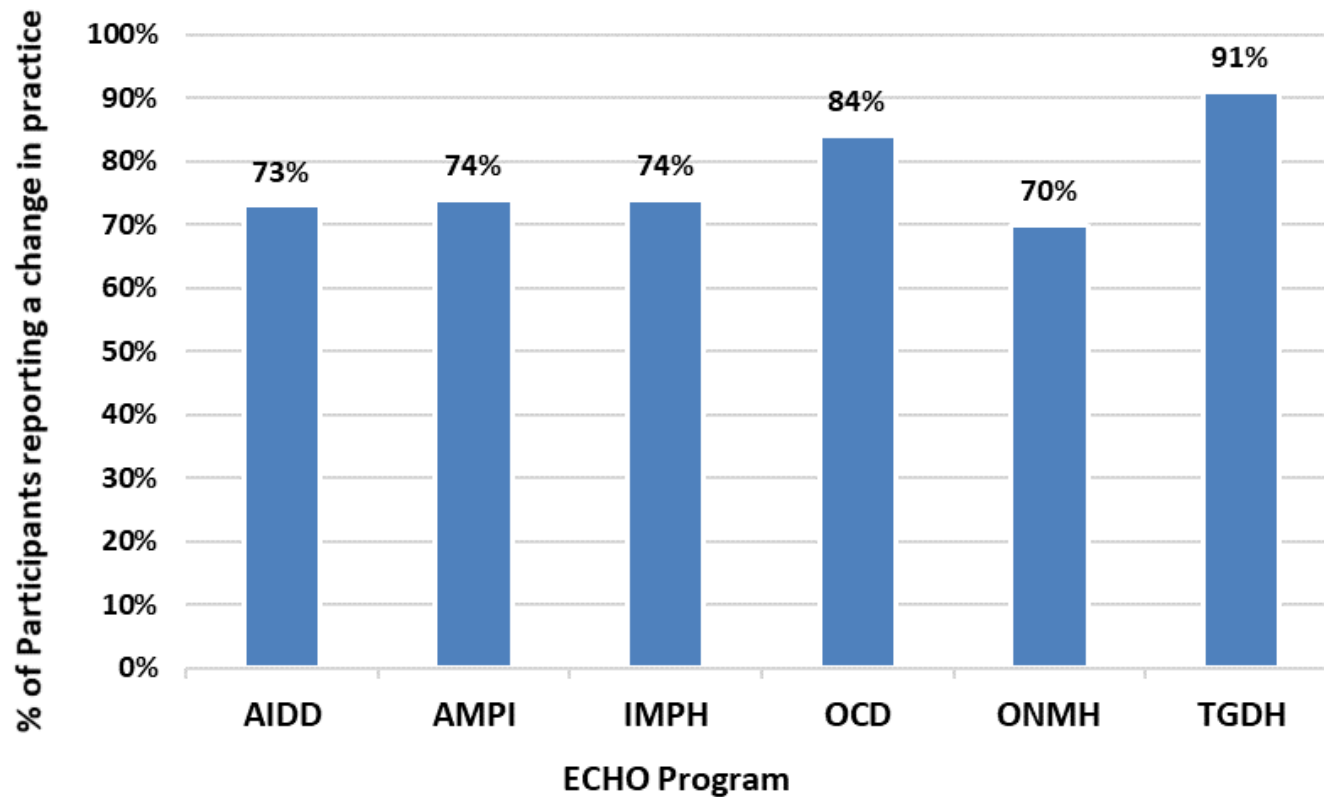
- Participant, ECHO Dementia

ECHO Child and Youth Mental Health: Self-Efficacy



We are seeing a change in practice across ECHO Ontario participants

ECHO Ontario Mental Health: Practice Change



"I learned new medication strategies for irritability/aggression; ways to mitigate side effects when no other options beyond atypicals. This was such a helpful series; will change how I prescribe.

- Participant, ECHO Autism

"I'm able to provide better psychoeducation Have a better understanding on gender diverse individuals and they struggles they are facing, as well as how to tailor therapy according to their needs."

- Participant, ECHO Trans and Gender Diverse Healthcare

4

Future directions

Future directions for ECHO Ontario

Focus on Quality

Conduct ongoing quality improvement efforts to enhance ECHO programs, further enhancing impact for patients and providers.

Foster Growth

Support new and existing organizations in expanding ECHO delivery for in-demand topics, in order to reach more health care providers across the province.

Support Transformation

Collaborate with provincial stakeholders to integrate ECHO as a core offering in the transforming Ontario health care system

Strengthen ECHO Network

Continue to build a network of ECHO programs in Ontario that share learning, best practices and operational efficiencies in support of our collective impact.

The world is changing...fast.

Project ECHO has revolutionized the way we connect, learn and share information across the Ontario health care system.

We look forward to integrating and expanding Project ECHO in our new virtual world.

Moving knowledge, not people

APPENDICES

Appendix 1: Leadership Teams

Baycrest in collaboration with NorthEast Specialized Geriatric Centre

Dr. Cindy Grief – Medical Lead
Dr. David Conn - Medical Lead
Dr. James Chau - Medical Lead
Dr. Sid Feldman - Medical Lead
Meaghan Adams – Program Director
Amna Akhtar Malik – Project Coordinator
Shaen Gingrich - Project Coordinator
Lisa Sokoloff – Former Program Director
Dr. Andrea Moser – Former Medical Lead

Centre for Addiction and Mental Health

Dr. Allison Crawford - Co-Chair – Co-Lead
Linda Mohri – Co-Chair
Dr. Sanjeev Sockalingam – Co-Chair – Co-Lead
Dr. Eva Serhal – Senior Director
Maurey Nadajarah – Manager
Dr. Yona Lunksy - Co-Lead
Dr. Renee Linklater - Co-Lead
Dr. Katie Sheehan - Co-Lead
Dr. Wiplove Lamba - Co-Lead
Dr. Nitin Chopra - Co-Lead
Dr. Stephanie Cassin - Co-Lead
Dr. Shelly McMain - Co-Lead
Dr. Priya Watson - Co-Lead
Dr. Wayne Baici - Co-Lead
Dr. Peggy Richter - Co-Lead

Children’s Hospital of Eastern Ontario

Dr. Kathleen Pajer - Co-Director
Dr. William Gardner - Co-Director
Dr. Hazen Gandy – Co-Lead
Dr. Michael Cheng – Co-Lead
Dr. Simone Kortstee – Co-Lead
Sarah Bissex - Manager

Holland Bloorview Kids Rehabilitation Hospital

Dr. Melanie Penner – Chair - Lead
Dr. Evdokia Anagnostou – Co- Chair - Co-Lead
Dr. Jessica Brian – Co-Lead
Salina Eldon - Project Manager

Ontario Bariatric Network

Dr. Mehran Anvari – Project Lead - St Joseph’s Healthcare Hamilton

Dr. Vanessa Boudreau - Co-Lead – Hub Lead - St Joseph’s Healthcare Hamilton
Dr. Natasha Periera-Hong – Lead - Guelph General Hospital
Dr. Stephen Glazer – Hub Lead - Humber River Hospital
Dr. Sanjeev Sockalingam – Hub Lead - Toronto Western Hospital
Dr. Boris Zevin – Hub Lead - Kingston Health Sciences Centre
Dr. Amy Neville – Hub Lead - The Ottawa Hospital
Dr. Scott Cassie – Hub Lead - Thunder Bay Health Sciences Centre
Daina Mueller, Clinical Coordinator

Ontario Epilepsy Network

Dr. Sharon Whiting - Hub Lead
Dr. Andrea Andrade - Hub Lead
Dr. Maryam Nouri – Hub Lead
Stacy Hewson - Hub Lead
Dr. Tugce Balci - Hub Lead
Dr. David Dymont – Hub Lead
Dr. Michelle Shapiro - Hub Lead
Dr. Lysa Boisse Lomax - Hub Lead and Program Co-Lead
Dr. Jorge Burneo - Hub Lead and Program Co-Lead
Dr. Ayman Hassan - Hub Lead
Dr. Rajesh Ramachandrannair - Hub Lead
Dr. Kevin Jones - Hub Lead
Dr. Robyn Whitney- Hub Lead
Dr. Carter Snead - Hub Lead and Program Co-Lead
Dr. Elizabeth Donner - Hub Lead and Program Co-Lead
Dr. Lauren Sham – Hub Lead
Dr. Tad Fantaneanu - Hub Lead
Dr. Arezoo Rezazadeh - Hub Lead
Dr. Esther Bui - Hub Lead

St. Joseph’s Care Group

Dr. Daniel James Medical – Co-Lead
Dr. Virginia McEwen – Co-Lead
Dr. Patricia Poulin - Research-Lead
Cathy Clara – Program Director
Andrew Koscielniak – Program Supervisor
Ashley Lyon – Program Manager
Jill Marcella – Program Manager
Alex Falcigno – Program Manager
The Hospital for Sick Children(SickKids)
Pamela Hubley - Executive Sponsor
Kelly McMillen – Director

Kelly Warmington - Manager
Srdjana Filipovic - Manager
Annie Jiwan - Program Manager
Senthooari Sivarajah - Education Coordinator
Alyssa Gumapac - Communications Specialist
Deiren Masterson - Digital Specialist
Linda Nguyen - Interprofessional Education Specialist
Jennifer Allegro - Interprofessional Education Specialist
Dr. Jennifer Stinson - Founding Project Lead
Dr. Chitra Laloo - Research Lead
Jo-Ann Osei Twum - Research Coordinator
Vina Mohabir - Research Coordinator
Dr. Naiyi Sun - Medical Lead
Sara Klein - Medical Lead
Dr. Jill Hamilton - Medical Lead
Kate Hamilton - Medical Lead
Rebecca Noseworthy - Medical Lead
Dr. Eyal Cohen - Medical Lead
Dr. Julia Orkin - Medical Lead
Michelle Ho - Medical Lead
Dr. Catherine Diskin - Medical Lead
Dr. Adam Rapoport - Medical Lead
Dr. Kevin Weingarten - Medical Lead
Dr. Christina Vadeboncoeur - Medical Lead
Dr. Stephanie Veldhuijzen van Zanten - Medical Lead

University Health Network

Dr. Andrea Furlan - Program Leadership Team
Dr. John Flannery - Operations Lead
Dr. Paul Taenzer - Program Leadership Team
Dr. Andrew Smith - Program Leadership Team
Rhonda Mostyn - Program Manager
Dr. Amanda Steiman - Program Co-Lead
Dr. Claire Bombardier - Program Co-Lead
Dr. Jordan Feld - Program Co-Lead
Dr. Hemant Shah - Program Co-Lead
Dr. McKyla McIntyre – Program Co-Lead
Dr. Robin Green - Program Co-Lead
Dr. Dmitry Rozenberg - Program Lead
Silvi Groe - Director
Jennifer Mokry - Manager

Appendix 2: 2021/22 Publications

Bombardier C, Steiman A, Mostyn R, Zhao J. ECHO Rheumatology: Improving Access to Rheumatologic Care in Underserved Areas Through Capacity Building. *Can Rheum Assoc J* 29(3):24-25

Chopra, N., Pereira, C., Prata, A., Lamba, W., & Sockalingam, S. (2021). Building Substance Use Disorder Management Capacity During COVID-19: Outcomes from a Tele-mentoring Program for Community-based Healthcare Professionals. *Canadian Journal of Addiction [In press]*.

Hassan S, Carlin L, Zhao J, Taenzer P, Furlan AD. (2021). Promoting an interprofessional approach to chronic pain management in primary care using Project ECHO. *J Interprof Care* 35(3). <https://doi.org/10.1080/13561820.2020.1733502>.

Kirvan, A., Adler Nevo, G., Boritz, T., Cardish, R, Cassin, S., Mcmain, S., Pereira, C., Serhal, E. & Crawford, A. (2020). E-Poster Presentations- EPP0962-Building capacity in the delivery of structured psychotherapy using the ECHO model. *European Psychiatry* 63(S1): S45–S282. <https://doi.org/10.1192/j.eurpsy.2020.5>

Laloo C, Diskin C, Ho M, Orkin J, Cohen E, Osei-Twum JA, Hundert A, Jiwan A, Sivarajah S, Gumapac A, Stinson JN. (2020). Pediatric Project ECHO: Implementation of a Virtual Medical Education Program to Support Community Management of Children With Medical Complexity. *Hosp Pediatr*. 10(12):1044-1052. doi: 10.1542/hpeds.2020-0067

Laloo C, Osei-Twum JA, Rapoport A, Vadeboncoeur C, Weingarten K, van Zanten SV, Widger K, Stinson J.. (2020). Pediatric Project ECHO®: A Virtual Community of Practice to Improve Palliative Care Knowledge and Self-Efficacy among Interprofessional Health Care Providers. *J Palliat Med*. doi: 10.1089/jpm.2020.0496.

Lingum NR, Sokoloff LG, Meyer RM, Gingrich S, Sodums DJ, Santiago AT, Feldman S, Guy S, Moser A, Shaikh S, Grief CJ, Conn DK. (2020). Building long-term care staff capacity during COVID-19 through just-in-time learning: Evaluation of a modified ECHO model, *Journal of the American Medical Directors Association*, doi: <https://doi.org/10.1016/j.jamda.2020.10.039>.

Appendix 2: 2021/22 Publications contd.

Lingum, NR, Guttman Sokoloff, L, Chau, J, et al. (2021). ECHO Care of the Elderly: Innovative Learning to Build Capacity in Long-Term Care. *Canadian Geriatrics Journal*, 24(1). doi: <https://doi.org/10.5770/cgj.24.458>

Serhal, E., Sockalingam, S., Crawford, A., Pereira, C., Hardy, J. & Kirvan, A. (2020). Using Systems Based CPD to Build Mental Health Capacity in Underserved Areas. *Canadian Medical Education Journal*, 11(2), e4-e30.

Sockalingam, S., Rajaratnam, T., Gambin, A., Hardy, J. Serhal, E & Crawford, A. (2020). Exploring the relationship between participation in project echo and healthcare providers' orientation to lifelong learning. *Canadian Medical Education Journal*, 11(2), e31-e154.

Sockalingam, S., Clarkin, C., Serhal, E., Pereira, C., & Crawford, A. (2020). Responding to Health Care Professionals' Mental Health Needs During COVID-19 Through the Rapid Implementation of Project ECHO. *The Journal of continuing education in the health professions*, 40(3), 211–214

Sockalingam, S., Rajaratnam, T., Zhou, C., Serhal, E., Crawford, A., & Mylopoulos, M. (2021). Building Mental Health Capacity: Exploring the Role of Adaptive Expertise in the ECHO Virtual Learning Model. *Journal of Continuing Education in the Health Professions [In press]*.

Thakur A, Pereira C, Hardy J, Bobbette N, Sockalingam S, Lunsky Y. (2021). Rapid Implementation of a Virtual Education to Support Providers Caring for People with Intellectual and Developmental Disabilities during COVID-19: Program Evaluation. *Journal of Medical Internet Research [Preprint]*. 19/03/2021:28933

Zhao J, Salemohamed N, Stinson J, Carlin L, Seto E, Webster F, Furlan AD. (2020). Health care providers' experiences and perceptions participating in a chronic pain telementoring education program: A qualitative study. *C J Pain*, 4(1) doi: <https://doi.org/10.1080/24740527.2020.1749003>.

Appendix 3: ECHOs that have received training and mentorship support from the Superhub in 2021/22

ONTARIO

1. ECHO Care of The Elderly
2. ECHO Arctic Youth Wellness
3. ECHO Canada Suicide Prevention Service CSPA
4. ECHO Coping with COVID CWC
5. ECHO Ontario Early Psychosis Intervention - Spreading Evidence-Based Treatment (EPI-SET)
6. ECHO National Adult Intellectual and Developmental Disabilities AIDD
7. ECHO Ontario Addiction Medicine and Psychosocial Interventions AMPI
8. ECHO Ontario Adult Intellectual and Developmental Disabilities AIDD
9. ECHO Ontario Developmental Disabilities
10. ECHO Ontario First Nations, Inuit and Métis Wellness FNIM
11. ECHO Ontario Mental Health
12. ECHO Ontario Child and Youth Mental Health
13. ECHO Ontario Structured Psychotherapy
14. ECHO Ontario Trans and Gender Diverse Care
15. ECHO Ontario Obsessive Compulsive Disorder OCD
16. ECHO Ontario Autism
17. Epilepsy Across The Lifespan ECHO
18. Ontario Bariatric Network ECHO
19. ECHO Occupational and Environmental Medicine (ECHO OEM)
20. ECHO Ontario Chronic Pain and Stewardship (North)
21. ECHO SJCG Indigenous Chronic Pain & Substance Use
22. Paediatric Project ECHO
23. ECHO Ontario Woundpedia
24. ECHO Chronic Pain and Opioid Stewardship
25. ECHO Concussion
26. ECHO Liver
27. ECHO Managing COVID-19 in the Community
28. ECHO Ontario Rheumatology
29. ECHO ON: Women-Centred HIV Care (WCHC)

ECHO NAMES Not Yet Available

1. ECHO Ontario Infection Prevention & Antimicrobial Stewardship (No ECHO Name)
2. IFA Project ECHO

Appendix 3: ECHOs that have received training and mentorship support from the Superhub in 2021/22 contd.

OUT-OF-PROVINCE

1. ECHO CSPA Alberta (No ECHO Name), **Alberta**
2. Alberta Project ECHO for Pain, **Alberta**
3. Adult Eating Disorders (AED) ECHO, **Australia**
4. ECHO Provincial Opioid Dependence Treatment Centre of Excellence (Eastern Health), **Newfoundland & Labrador**
5. ECHO CHU Sainte-Justine Santé Mentale en Neurodéveloppement, **Quebec**
6. ECHO CHUM Troubles Concomitants, **Quebec**
7. ECHO CHUM Hépatite C, **Quebec**
8. ECHO Troubles de L'alimentation (ECHO Eating Disorders), **Quebec**

ECHO NAMES Not Yet Available

1. ECHO Perinatal Mental Health (No ECHO Name), **Quebec**
2. Maternal and Child health and Malaria (No ECHO Name), **Ontario, Cote d'Ivoire**
3. Trans Care BC (No ECHO Name), **British Columbia**

**Training for ECHOs out-of-province was provided through a cost recovery model.*

Appendix 4: ECHO Ontario Conference 2022 Agenda

Evaluation Frameworks and the ECHO Model: Educate, Engage and Evolving Solutions

Time	Topic & Speaker
9:00 am	Opening Remarks <i>Allison Crawford & John Flannery</i>
9:15am	Best Practice for Evaluation Frameworks <i>Cynthia Whitehead</i>
10:00am	Panel Perspective and Open Discussion on Evaluation Framework for ECHO <i>Panel Discussion</i> <i>Panel Speakers: 1. Cynthia Whitehead, 2. Eva Serhal, 3. Nancy Hood</i>
10:30am	Break
10:45am	Workshops: Evaluation and ECHO <i>Join one of three moderated, concurrent breakout groups to discuss evaluation within key components of ECHO programs.</i> <ol style="list-style-type: none"> How to write questions to test knowledge of participants in a pre-post ECHO evaluation. <i>Andrea Furlan and Marla Nayer</i> Thinking critically about ECHO research and program evaluation: what is the best method to assess a CME program? <i>Jane Zhao & Mirna Becevic</i> How to get meaningful engagement from participants in your evaluations. <i>Patricia Poulin & Nancy Hood</i>
11:30pm	Linking Evidence to Policy <i>Andrea Proctor</i>
11:45pm	Concluding Plenary <i>Allison Crawford & John Flannery</i>
12:00pm	End of Conference



Changing the World. Fast.

**<http://echoontario.ca>
@ECHOOntario**