



ECHO ONTARIO

ANNUAL REPORT 2022/23



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MEET THE TEAM

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A message from the ECHO Ontario Superhub

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.

We are pleased to share our accomplishments for the 2022/23 fiscal year in this annual report. Our annual report is an opportunity to provide an overview of the development of ECHO Ontario over the past year, and to celebrate the achievements of our collective impact.

In 2022/23, there were **34** ECHO programs in Ontario, in the areas of autism, bariatric care, chronic pain, epilepsy, geriatric care, mental health, opioid use, pediatric care, and more. 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 **2932** diverse health care providers from **1686** organizations, showing significant adoption and integration of the ECHO model in the province. Additionally, this year the ECHO Ontario Superhub had the pleasure of delivering three separate virtual immersion trainings to **33** different ECHO hubs, and an annual conference connecting **149** health care and related professionals.

ECHO programs throughout Ontario continue to connect providers across the province and build learning communities that improve knowledge, confidence, and provider practice.

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.



Project ECHO in Ontario

SECTION 1

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.



People need access to specialty care for their complex health conditions.



There aren't enough specialists to treat everyone who needs care, especially in rural and underserved communities.



ECHO trains primary care clinicians to provide specialty care services. This means more people can get the care they need.



Patients get the right care when they need it, close to home. This improves outcomes and reduces costs.

ECHO Ontario Mission, Vision & Values



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.



Values

- ✓ Contributing to Health Equity
- ✓ Innovation and Sharing Knowledge
- ✓ Collaboration and Joy of Work

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



2004

2014

2015

2017

PRESENT

ECHO was started in New Mexico by Dr. Sanjeev Arora.

Ontario's first ECHO program was launched at UHN and Queen's University, focusing on chronic pain and opioid stewardship.

CAMH received funding shortly thereafter to implement a Mental Health ECHO in partnership with the University of Toronto.

8 ECHO programs across 4 organizations were funded and launched in Ontario. 2 of the organizations (UHN and CAMH) collaborated in launching the ECHO Ontario Superhub to support new and existing ECHOs in Ontario.

34 ECHO programs across 9 organizations are now operating in Ontario, and reached 2932 health care providers in 2022/23.

MEET OUR ONTARIO ECHOS

In 2022/23, 9 programs in Ontario delivered 34 ECHOs 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
(2022/23)

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
- Coping with COVID *externally funded (i.e. Federal Grants, Research Grants, Philanthropy)
- Critical Care & Emergency Nurse Well-Being *externally funded (i.e. Federal Grants, Research Grants, Philanthropy)



152

Sessions Held
(2022/23)

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
(2022/23)

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
(2022/23)

***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 *externally funded (i.e. Federal Grants, Research Grants, Philanthropy)
- ECHO SJCG Adult Palliative Care *externally funded (i.e. Federal Grants, Research Grants, Philanthropy)



40

Sessions Held
(2022/23)

***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

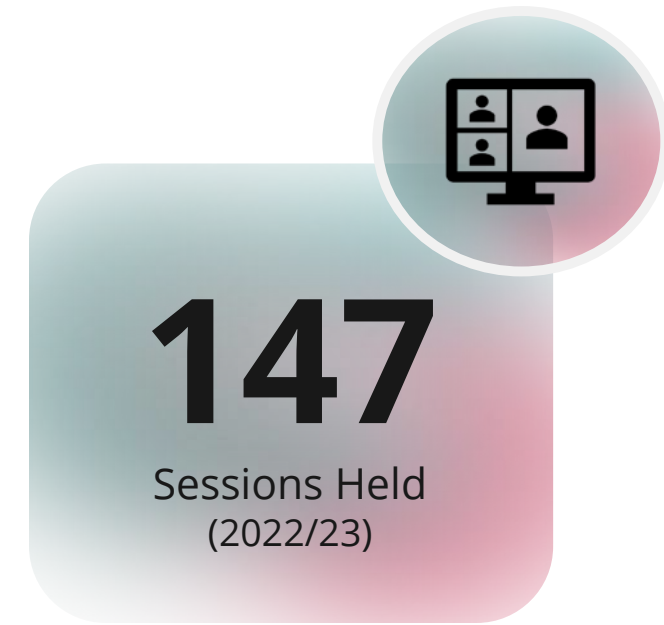
Sessions Held
(2022/23)

University Health Network (UHN)

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

ECHO Programs:

- Chronic Pain and Opioid Stewardship
- Liver
- Rheumatology
- Concussion



Ontario Bariatric Network (OBN)

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

ECHO Ontario Bariatric Network (OBN) aims to build capacity to provide evidence based specialty care focused on post-bariatric care and obesity management by linking primary care providers, allied health professionals and mental health workers in primary care settings with an interdisciplinary team of specialists from one of Ontario's Bariatric Centres of Excellence.

ECHO Programs:

- Ontario Bariatric Network



84

Sessions Held
(2022/23)

Ontario Epilepsy Network

(Hamilton Health Sciences, McMaster Children's Hospital, Kingston General Hospital, London Health Science Centre, 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



92

Sessions Held
(2022/23)



2022/23 at a glance

SECTION 2



Our collective reach 2022/2023

3851

Health care participant
providers (total attendees)

2932

Health care participant
providers (unique attendees)

1686

Health care organizations

681

Patient cases
discussed

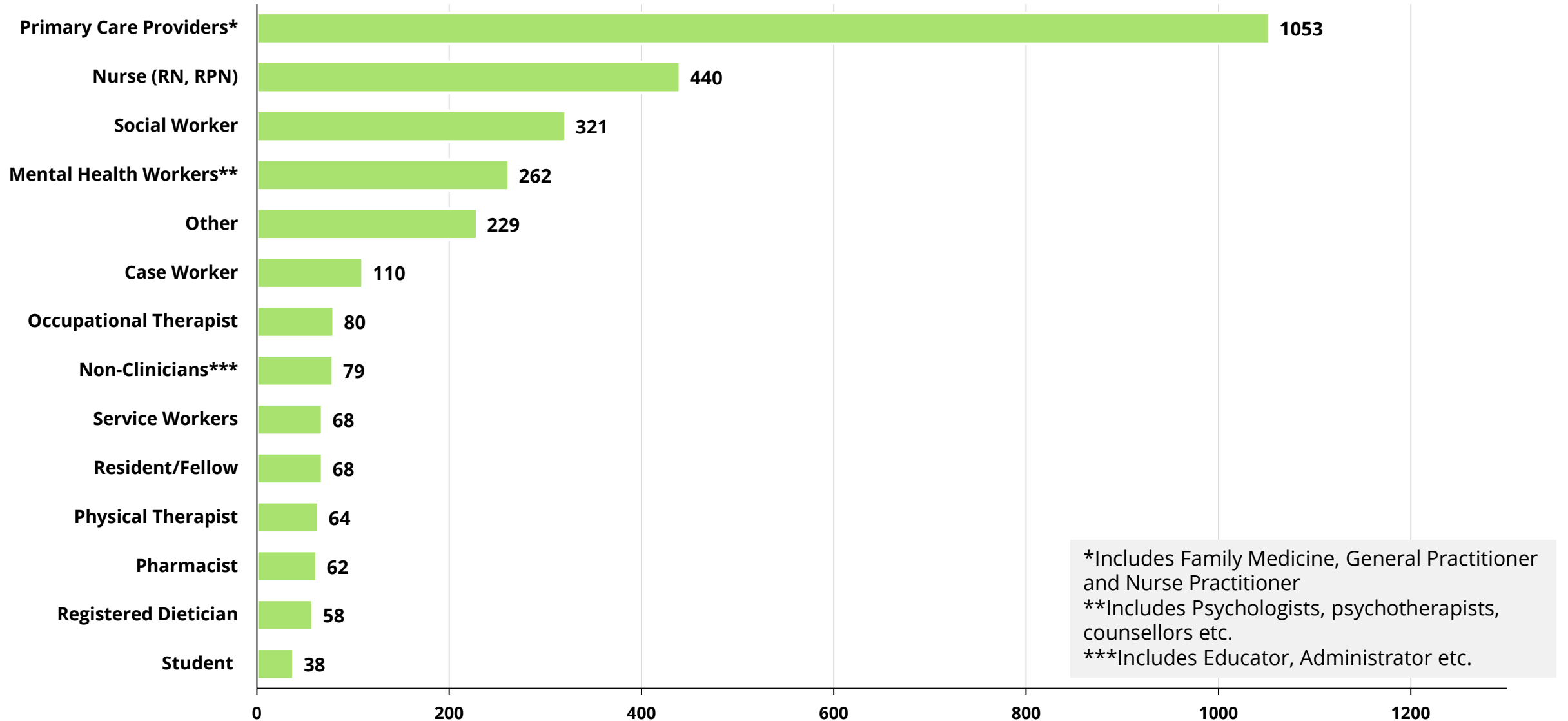
978.5

CME Credits per Program
Awarded by the Certifying Agency*

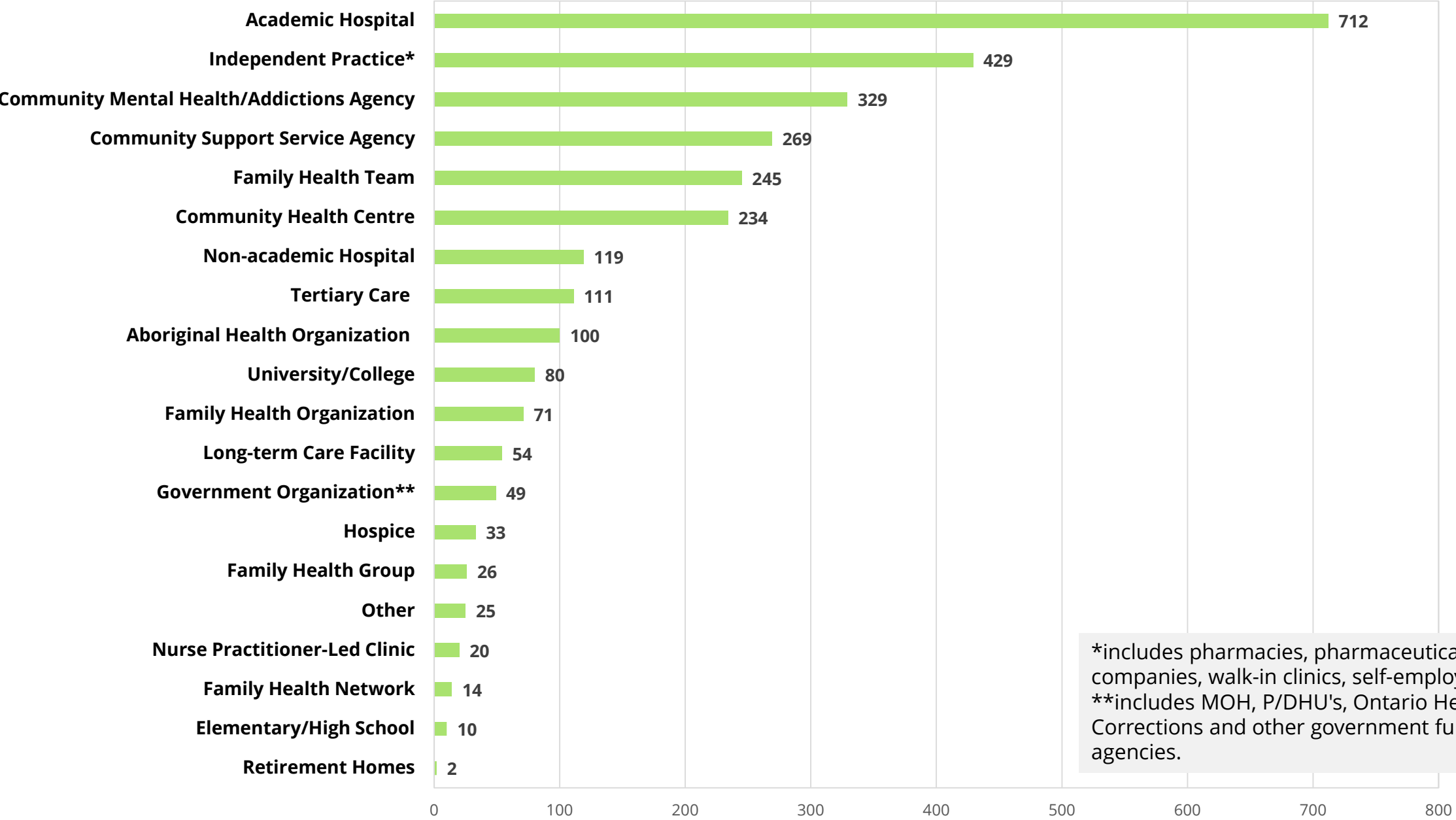
Note: Information is based on Ministry of Health funded programs. Excludes data from St. Joseph's Care Group.

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

Participants by profession



Participants by practice type

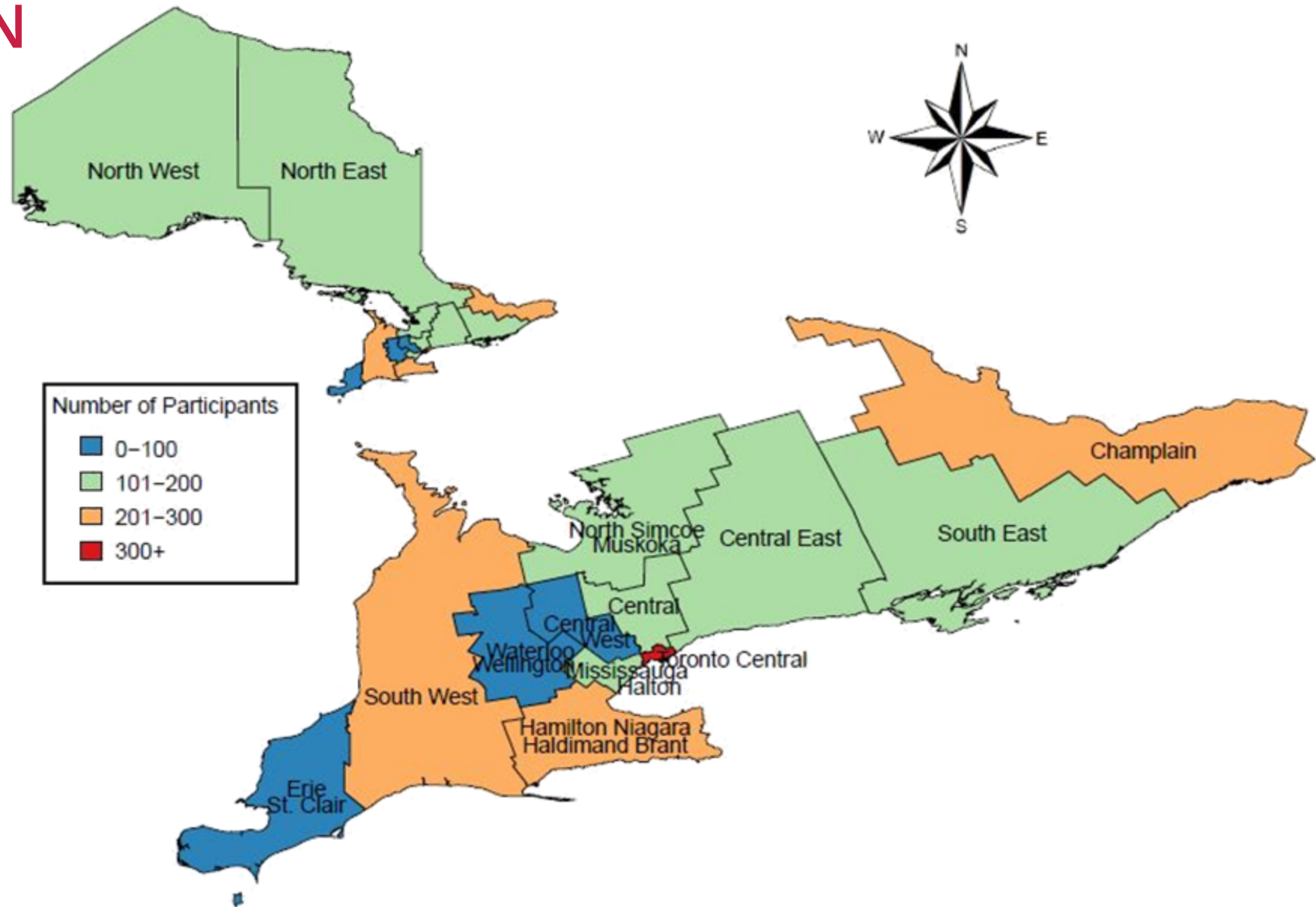


*includes pharmacies, pharmaceutical companies, walk-in clinics, self-employed etc.
 **includes MOH, P/DHU's, Ontario Health, Corrections and other government funded agencies.

Note: Information is based on Ministry of Health (MOH) funded

Participants by LHIN

- ECHO Ontario participants (n=2681) by Local Integrated Health Network (LHIN)
- LHIN data from 251 Participants is unavailable (n=2932 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 **66** ECHOs from **53** 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.



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 2022/23 the ECHO Ontario Superhub led the following initiatives:

- Hosted the ECHO Ontario Conference (virtually) with **149** participants from across Ontario
- Facilitated the development of an ECHO Ontario consolidated annual report that highlighted the collective provincial impact from **27** 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 2022/23 we have provided training and mentorship to:



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



Changing Knowledge, Confidence, and Practice

SECTION 3



Participants are highly satisfied with ECHO Ontario programs

“This event provided me with very tangible tools to support the patients that I work with.”

- Participant, SickKids Paediatric Project ECHO

“Case presentation was excellent. Great engagement and having the expertise of the HUB Team. The didactic and the video were great. I loved the cases within the didactic. All the resources posted are very helpful.”

- Participant, ECHO Pain

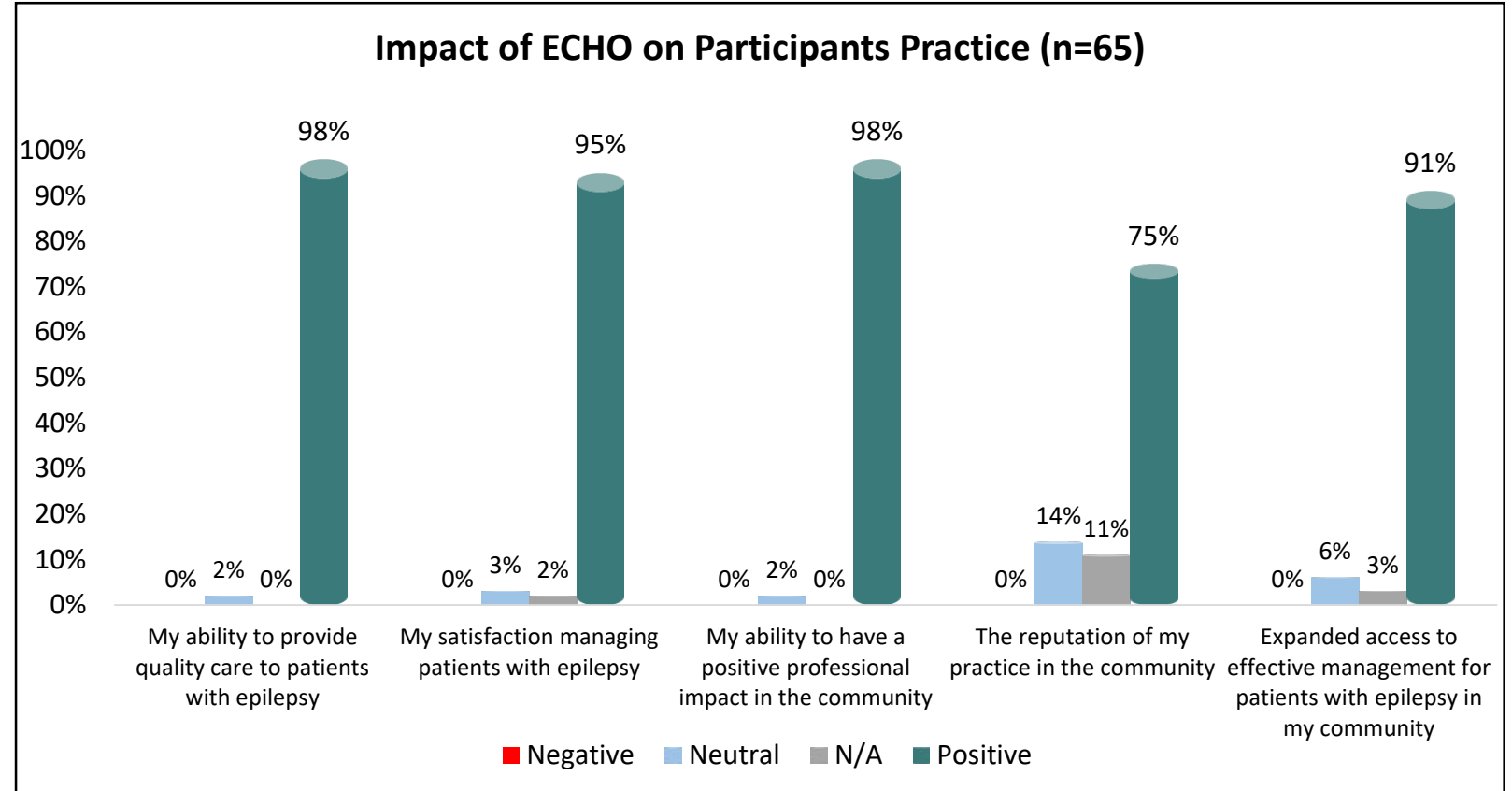


Table 1: Participant feedback (n=65) from a post-cycle feedback survey for the ECHO Epilepsy Genetics curriculum, across 6 cycles between 2020 to 2023. Participants were asked ‘What type of impact is Project: ECHO Epilepsy Across the Lifespan having on the following areas of your practice?’ Participants responses were based on a 7-point scale, with responses ranging from “Strongly Negative Impact” to “Strongly Positive Impact.” Majority of respondents selected an option on the positive side of the scale.

We are seeing a change in knowledge across ECHO Ontario participants

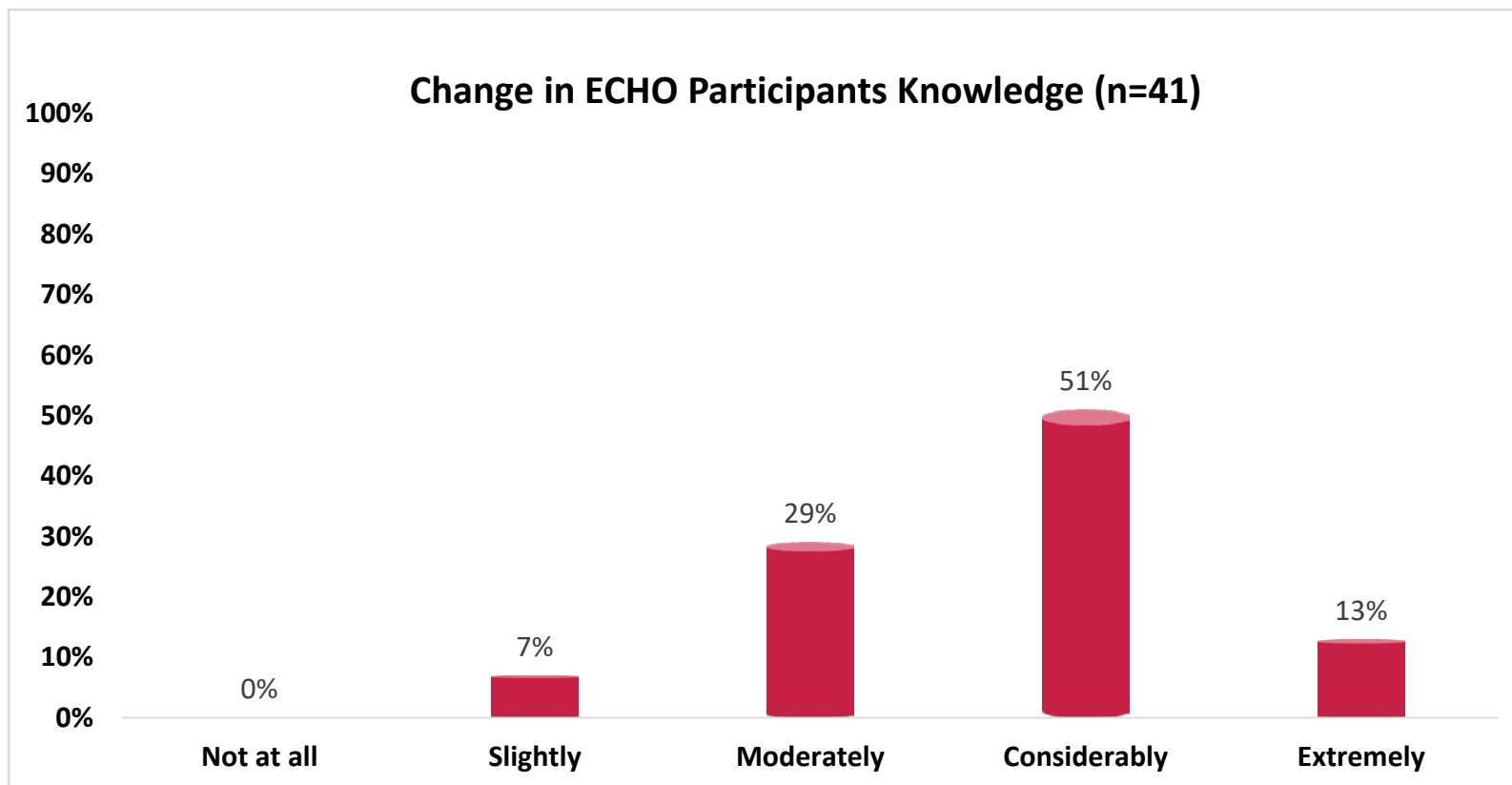


Table 2: After each program series, ECHO Chronic Pain and Opioid Stewardship North participants (n=41) were asked ‘To what degree has your knowledge of chronic pain management increased, as a result of this series?’ Participants responses were based on a 5-point scale, with responses ranging from “Not at all” to “Extremely.”

“[The ECHO Concussion hub team] has reminded me to find out what activities in a child’s life are important to him/her and to focus on getting the child back to those activities in some capacity. The talk today also helped to clarify for me how to clear a patient for resuming contact sport, as well as what to discuss during this conversation. I also now feel confident in discussing why baseline testing is not necessary or advisable.”

- Participant, ECHO Concussion

We are seeing a change in confidence across ECHO Ontario participants

“Before I preferred to refer patients but now my level of comfort has increased and I would be able to diagnose and start treatment, provide resources to my patients and families.” - Participant, ECHO Ontario Child and Youth Mental Health

“When clients are looking into having testing done to receive a diagnosis [I am] ensuring I refer them to our memory clinics that offer a robust assessment. Focusing more on function than the cognitive assessment.” - Participant, ECHO Care of the Elderly

Change in ECHO Participants Confidence (n=29)

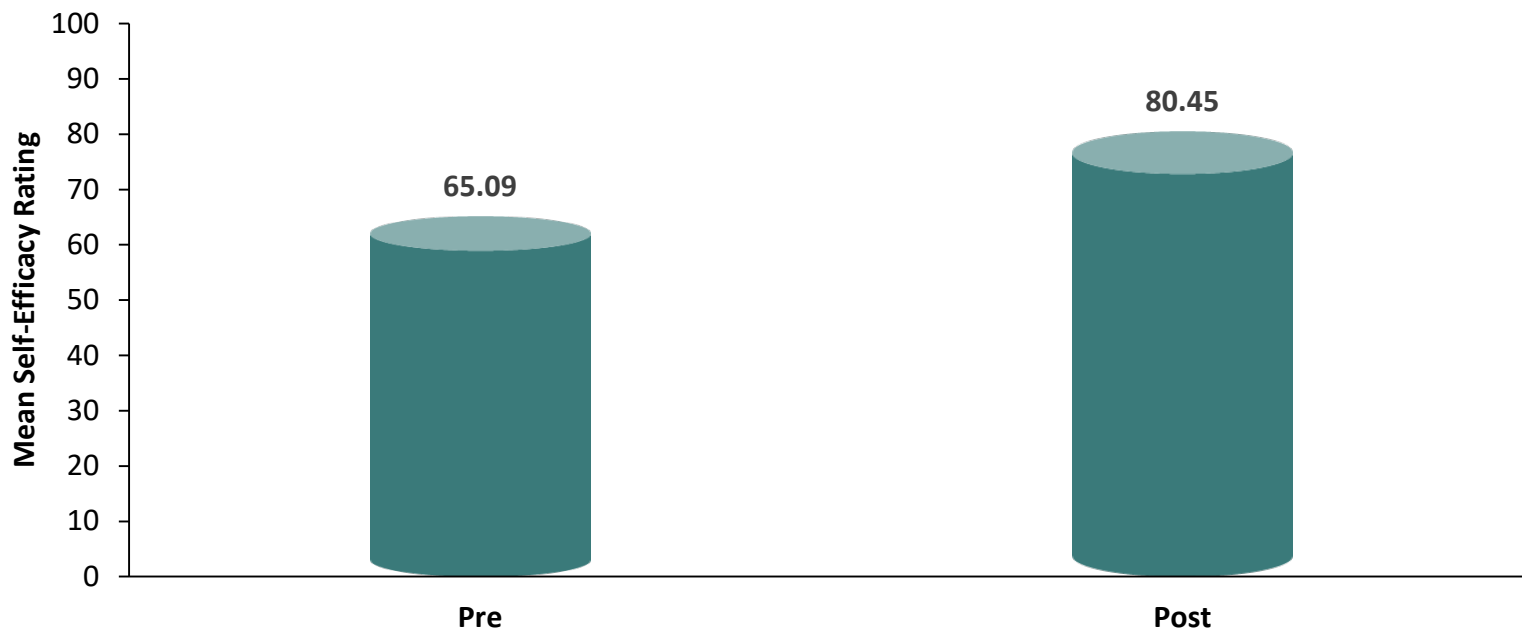


Table 3: To assess Self-Efficacy (confidence), ECHO Ontario Mental Health used a 6-item questionnaire. Participants rated perceived confidence in core program competencies from 0 (“not confident”) to 100 (“very confident”). Participants of the Integrated Mental and Physical Health program (n=29) had a statistically significant improvement from pre to post scores of 15.36 points.

We are seeing a change in practice across ECHO Ontario participants

ECHO Participants Change in Practice (n=28)

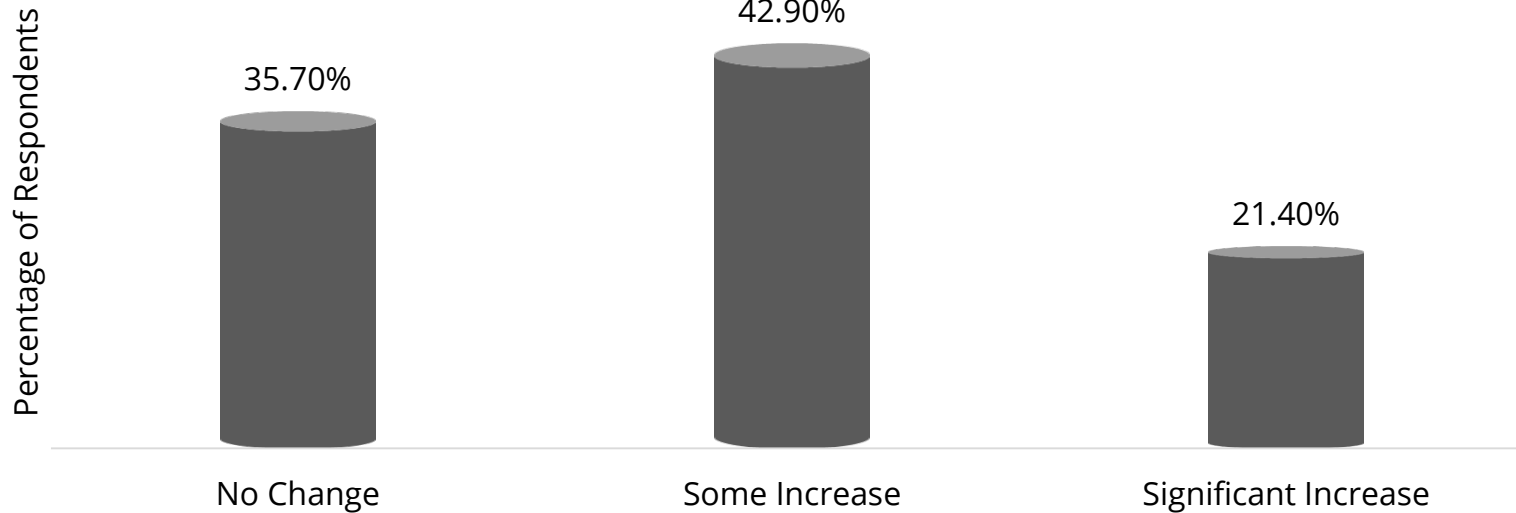


Table 3: Participants (n=28) of ECHO Autism were asked ‘Since beginning ECHO Autism, have you been conducting more Autism diagnostic assessments?’ Results highlight that majority of participants indicated a change in their practice through increased diagnostic assessments conducted.

“[Referring to folic acid use in pregnancy] I have already informed some of my colleagues regarding the practice and have also helped in the dissemination of changing their practice involving high dose folic acid given to pregnant mothers [...] I just wanted to share some of the learnings I gained from this series. I am very grateful for teaching me. It also helps me teach others.”

- Participant, ECHO Epilepsy Across the Lifespan

“I feel more competent to help client's seeking medical management or bariatric surgery at different life stages and various situations.” - **Participant, ECHO Ontario Bariatric Network (OBN)**

Future Directions

SECTION 4

FUTURE DIRECTIONS FOR ECHO ONTARIO

Focus on Quality

- Conduct ongoing quality improvement efforts to enhance ECHO programs
- Enhancing impact for patients and providers

Foster Growth

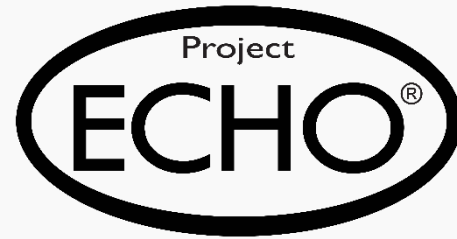
- Support new and existing organizations in expanding ECHO delivery for in-demand topics
- Reach more health care providers across the province

Support Transformation

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

Strengthen the ECHO Network

- Continue to build a network of ECHO programs in Ontario that share learnings
- Best practices / Operational efficiencies / Collective impact



Changing the World. Fast.

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



APPENDICES



Appendix 1: Leadership Teams

Baycrest in collaboration with

North East Specialized Geriatric Centre

Dr. David Conn - Medical Director
Dr. Meaghan Adams – Program Director
Dr. Cindy Grief – Medical Lead
Dr. James Chau - Medical Lead
Dr. Sid Feldman - Medical Lead
Dr. Howard Cohen - Medical Lead
Dr. Kaitlin Sheridan – Medical Lead
Amna Akhtar Malik – Project Coordinator
Shaen Gingrich - Project Coordinator

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
Denise Canso – Acting Director
Maurey Nadajarah – Manager
Victoria Bond – Acting Manager
Dr. Yona Lunksy - Co-Lead
Dr. Renee Linklater - Co-Lead
Dr. Victor Vien – Co-Lead
Dr. Katie Sheehan - Co-Lead
Dr. June Lam - Lead
Dr. Wiplove Lamba - Co-Lead
Dr. Nitin Chopra - Co-Lead
Dr. Stephanie Cassin - Co-Lead
Dr. Shelley McMain - Co-Lead
Dr. Greg Lodenquai - Co-Lead
Dr. Peggy Richter - Co-Lead
Dr. Anupam Thakur – Co-Lead

Children’s Hospital of Eastern Ontario

Dr. Kathleen Pajer - Co-Director
Dr. Hazen Gandy – Hub Member
Dr. Michael Cheng – Hub Member

Dr. Simone Kortstee – Hub Member
Dr. Melissa Vloet – Hub Member
Sarah Bissex – Manager
Cailin Hudson - 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 – Hub Lead - Guelph General Hospital
Dr. Stephen Glazer – Hub Lead - Humber River Hospital
Dr. Sanjeev Sockalingam – Hub Lead - Toronto Western Hospital
Julia Skiadaresis – Co-Lead - Toronto Western Hospital
Dr. Boris Zevin – Hub Lead - Kingston Health Sciences Centre
Dr Ahmed Elnahas – Hub Lead - London Health Sciences Centre
Dr. Amy Neville – Hub Lead - The Ottawa Hospital
Dr. Scott Cassie – Hub Lead - Thunder Bay Health Sciences Centre
Dr. Farah Jetha – Hub Lead – Health Sciences North
Daina Mueller, Clinical Coordinator

Ontario Epilepsy Network

Dr. Andrea Andrade - Hub Lead
Dr. Michelle Shapiro - Hub Lead
Dr. Jorge Burneo - Hub Lead and Program Co-Lead
Dr. Michelle-Lee Jones - Hub Lead
Dr. Elizabeth Donner - Hub Lead and Program Co-Lead
Dr. Tad Fantaneanu - Hub Lead
Dr. Arezoo Rezazadeh - Hub Lead
Dr. Lysa Boisse Lomax - Hub Lead and Program Co-Lead
Dr. Kevin Jones - Hub Lead
Dr. Robyn Whitney- Hub Lead
Dr. Rajesh Ramachandrannair - Hub Lead

Dr. Esther Bui - Hub Lead
Dr. Sharon Whiting - Hub Lead
Dr. Katherine Muir - Hub Lead
Kirk Nylen - Program Co-Lead and Community Engagement Advisor

St. Joseph’s Care Group

Dr. Daniel James Medical – Co-Lead
Dr. Sarah Facca – Chair
Dr. Patricia Poulin - Research-Lead
Alex Falcigno – Program Manager

The Hospital for Sick Children(SickKids)

Dr. Catherine Diskin - Medical Lead
Dr. Eyal Cohen - Medical Lead
Dr. Julia Orkin - Medical Lead
Michelle Ho - Medical Lead
Dr. Jill Hamilton - Medical Lead
Rebecca Noseworthy - Medical Lead
Dr. Adam Rapoport - Medical Lead
Dr. Kevin Weingarten - Medical Lead
Dr. Christina Vadeboncoeur - Medical Lead
Dr. Stephanie Veldhuijzen van Zanten - Medical Lead
Dr. Chitra Laloo - Research Lead
Ayushi Todi - Program Manager

University Health Network

Dr. Andrea Furlan - Co-Chair – Co-Lead
Dr. John Flannery - Co-Chair – Co-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

ECHO Ontario is a collaboration of deeply caring, enthusiastic and engaging teams. We’d like to acknowledge and extend a thank you to all the ECHO Ontario operations and hub teams that have contributed to the ongoing success of this project.

Appendix 2: 2022/23 Publications

Zhao QJ, Cupido N, Whitehead CR, Mylopoulos M. "What role can education play in integrated care? Lessons from the ECHO (Extensions for Community Health Outcomes) Concussion program." *Journal of Integrated Care* 2022;30(4):373-385. DOI: 10.1108/JICA-01-2022-0012

Masroori Z, Coelho CF, Zhao QJ, Vyravanathan S, Du AY, Carlin L, Taenzer P, Flannery J, Furlan AD. "Development and Pilot Testing of an Observational Tool to Assess Interprofessional Education in Virtual Communities of Practice (VCoP)." *Journal of Interprofessional Education and Practice* 2022;29:100539. DOI: 10.1016/j.xjep.2022.100539

Patricia A. Poulin, Yaadwinder Shergill, Adrian Grebowicz, Inês Almeida, Rosemee Cantave, Bryan MacLeod, Tim Larocque, Donna Garstin, Sarah F. Fitzgerald & Joshua A. Rash (2022) Extension for Community Healthcare Outcomes (ECHO) Chronic Pain & Opioid Stewardship in Northwestern Ontario: A Thematic Analysis of Patient Cases, *Canadian Journal of Pain*, 6:1, 211-224, DOI: [10.1080/24740527.2022.2126754](https://doi.org/10.1080/24740527.2022.2126754)

Laloo, C., Mohabir, V., Campbell, F., Sun, N., Klein, S., Tyrrell, J., Mesaroli, G., Ataollahi-Eshqoor, S., Osei-Twum, J.-A., & Stinson, J. N. Pediatric Project ECHO ® For Pain: Implementation and mixed methods evaluation of a virtual medical education program to support interprofessional pain management in children and youth. *BMC Medical Education*. Accepted January 10, 2023

Laloo C, Mohabir V, Campbell F, Sun N, Klein S, Tyrrell J, Mesaroli G, Stinson N. Evolving Project ECHO: A virtual education model for interprofessional core competencies in paediatric pain. *Canadian Journal of Pain*. Accepted February 7, 2023.

Jane, A., Kanigsberg, L., Patel, A., Eldon, S., Anagnostou, E., Brian, J., & Penner, M. (2023). Summative Content Analysis of the recommendations from Project Echo Ontario Autism. *Frontiers in Rehabilitation Sciences*, 4. <https://doi.org/10.3389/fresc.2023.1096314>

Appendix 2: 2022/23 Publications contd.

Serhal, E., Pereira, C., Armata, R., Hardy, J., Sockalingam, S., & Crawford, A. (2022). Describing implementation outcomes for a virtual community of practice: The ECHO Ontario Mental Health experience. *Health Research Policy and Systems*. DOI: 10.1186/s12961-022-00818-1

Sheehan, K. A., Pereira, C., Brierley, N., Alloo, J., Bonta, M., & Sockalingam, S. (2022). Building Complex Care Capacity in Primary Care: An Educational Evaluation of Project ECHO Ontario Integrated Mental and Physical Health. *Journal of the Academy of Consultation-Liaison Psychiatry*, S2667-2960 (22) 00015-5. Advance online publication. <https://doi.org/10.1016/j.jaclp.2022.02.002>

Sockalingam, S., Rajaratnam, T., Gambin, A., Soklaridis, S., Serhal, E., Crawford, A. (2022). Interprofessional continuing professional development programs can foster lifelong learning in healthcare professionals: experiences from the Project ECHO model. *BMC Med Education* 22(1):432. doi: 10.1186/s12909-022-03500-w

Lunsky, Y., Bobbette, N., Durbin, J., Gonzales, A., Grier, E., Iruthayanathan, R., Mia, N., Pereira, C., Steel, L., Thakur, A., Thomson, K., Sockalingam, S. (2023). The development and pilot evaluation of ECHO Mental Health for adults with intellectual and developmental disabilities. *J. Ment Health Res Intellect Disabil*, 16:1, 23-36, doi: 10.1080/19315864.2022.2148789

Crawford A, Sockalingam S, Serhal E, Zhou C, Gambin A, de Oliveira C, Iwajomo T, Kurdyak P. Using "Big Data" to Provide Insights into Early Adopters of Continuing Professional Development: An Example from Project ECHO. *J Contin Educ Health Prof*. 2023 Apr 12. doi: 10.1097/CEH.0000000000000509.

Sheehan KA, Chaput J, Bond V, Alloo J, Bonta M, Soklaridis S, Zhang M, Sockalingam S. Exploring the Impact of ECHO Ontario Integrated Mental and Physical Health on Participants' Approach and Attitude Toward the Care of Patients With Complex Needs. *J Acad Consult Liaison Psychiatry*. 2023 Aug 1:S2667-2960(23)00109-X. doi: 10.1016/j.jaclp.2023.07.004. Epub ahead of print. PMID: 37536441.

Appendix 3: ECHOs that have received training and mentorship support from the Superhub in 2022/23

ONTARIO

1. National ECHO: Geriatric Mental Health Program
2. ECHO Canada Suicide Prevention Service
3. ECHO Ontario Addiction Medicine and Psychosocial Interventions
4. ECHO Ontario Adult Intellectual and Developmental Disabilities
5. ECHO Ontario Coping with COVID
6. ECHO Ontario Critical Care & Emergency Nurse Well-Being
7. ECHO Ontario Early Psychosis Intervention - Spreading Evidence-Based Treatment (EPI-SET)
8. ECHO Ontario First Nations, Inuit and Métis Wellness FNIM
9. ECHO Ontario Integrated Mental and Physical Health
10. ECHO Ontario Mental Health
11. ECHO Ontario Obsessive Compulsive Disorder
12. ECHO Ontario Structured Psychotherapy
13. ECHO Ontario Trans and Gender Diverse Care
14. ECHO Ontario Child and Youth Mental Health
15. HIV Psychiatry ECHO
16. Schlegel Villages LIMT Project ECHO
17. Epilepsy Across The Lifespan ECHO
18. Paediatric Project ECHO
19. Ontario Bariatric Network ECHO
20. ECHO Chronic Pain
21. ECHO Concussion
22. ECHO Ontario Woundpedia

ECHO NAMES Not Yet Available

1. Francophone Addiction ECHO (No ECHO Name)
2. CAN TAP TALENT (No ECHO Name)
3. Deep Brain Stimulation Paediatric (No ECHO Name)
4. SUDschoolSinai (No ECHO Name)
5. Culture Change ECHO (No ECHO Name)

Appendix 3: ECHOs that have received training and mentorship support from the Superhub in 2022/23 contd.

OUT-OF-PROVINCE

1. BC Mental Health and Substance Use ECHO, **British Columbia**
2. ECHO CHUM troubles concomitants, **Quebec**
3. Project ECHO Hepatitis C – CHUM, **Quebec**

ECHO NAMES Not Yet Available

1. ECHO CSPA Alberta (No ECHO Name), **Alberta**
2. Trans Care BC (No ECHO Name), **British Columbia**
3. ECHO Perinatal Mental Health (No ECHO Name), **Quebec**

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

Appendix 4: ECHO Ontario Conference 2023 Agenda

Integrated Health Systems and the ECHO Model: Lessons Learned in Ontario

Time	Topic & Speaker
9:00 am	Opening Remarks <i>Allison Crawford & John Flannery</i>
9:20am	Keynote 1 – Working Together: Ontario Health and Project ECHO <i>Dr. Andrea Furlan and Dr. Sacha Bhatia</i>
10:00am	Keynote 2 – ECHO as a Mechanism for Integrated Care: International Lessons to Share with Ontario <i>Alicia Kirley</i>
10:20am	Panel Discussion <i>Keynotes answering questions and consolidating ideas</i>
10:50am	Break
11:00am	Breakout Rooms: Integrated Care and ECHO <i>Join one of three moderated, concurrent breakout groups to discuss integrated care within key components of ECHO</i> 1. Leveraging ECHO to improve integrated care <i>Anne Kirvan, Carey Lawford, and Dr. Eva Serhal</i> 2. Evaluating ECHO’s outcomes relating to integrated care <i>Jane Zhao and Devin Sodums</i> 3. Navigating the patient’s experience in integrated care <i>Ghyslaine Paquette and Stephanie Wang</i>
11:30am	Group discussion of key takeaways/pearls from breakout rooms <i>John Flannery</i>
12:00pm	Concluding Plenary