“Project ECHO®

*Extension for Community Healthcare Outcomes*

is a movement to de-monopolize knowledge and amplify the capacity to provide best practice care for underserved people all over the world.”

https://echo.unm.edu/about-echo/ourstory
History and Development

New Mexico had only two clinics in the entire state that treated Hepatitis C. Thousands of New Mexicans with Hepatitis C lived in areas without specialist and therefore were unable to get treatment where they lived.

https://echo.unm.edu/about-echo/ourstory
History and Development

Sanjeev Arora, M.D.
Department of Internal Medicine
University of New Mexico
Liver Disease Specialist
History and Development

All patients in need of treatment should receive it. Created the ECHO model allowing clinicians to treat Hepatitis C in their own communities.

https://echo.unm.edu/about-echo/ourstory
History and Development

TeleECHO™ clinics put local clinicians together with specialist teams through video conferencing to share knowledge and expand treatment capacity.

The result: better care for more people.

https://echo.unm.edu/about-echo/ourstory
Solves the issue of access but not capacity.
ECHO vs. Telemedicine

TeleECHO Clinic
- Expert hub team
- ECHO supports community based primary care teams
- Learners at spoke site
- Patients reached with specialty knowledge and expertise

Traditional Telemedicine
- Specialist manages patient remotely
“The ECHO model is not telemedicine where the specialist assumes the care of the patient, but instead a mentoring model where the community provider retains responsibility for managing the patient’s care, operating with increased independence as their skills and self-efficacy grow.”

“ECHO Replication Guide.” March 2015
TeleECHO Structure

1. Brief Planning Huddle
2. Introductions
3. Announcements
4. Brief Didactic
5. Patient Case Presentation

6. Hub ECHO ask audience for questions

7. Hub asks audience for recommendations and impressions
8. Hub summarizes recommendations and consensus on diagnosis and treatment plan

9. Close and debrief
ECHO Replication

Partnership Agreements

3-Day Immersion Training

Ongoing Support and Access to Resources
ECHO Expansion

Project ECHO has expanded—across diseases and specialties, across urban and rural locations, across delivery services, and across the globe

https://echo.unm.edu/about-echo/ourstory
Autism ECHO Collaborative
(Quarterly Zoom Meeting)
ECHO Hubs & Programs: Global

Hub Locations

<table>
<thead>
<tr>
<th>ECHO Countries</th>
<th>ECHO Hubs</th>
<th>ECHO Programs</th>
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Project ECHO

Kentucky Rural Healthcare Information Organization (RHIO)

Office for Children with Special Health Care Needs

University of Kentucky College of Medicine

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ECHO Autism

Ivanora Alexander, B.S. B.M.E.
Assistant Director of Support Services
Office for Children with Special Health Care Needs
Louisville, Kentucky
• Responsible for the well being of Kentucky’s children and youth with special health care needs (CYSHCN)

• Collaborations and programs to support CYSHCN

• Provide pediatric medical specialty clinics
OCSHCN Pediatric Specialty Clinics

- Autism Spectrum Disorders (ASD)
- Cardiology
- Cerebral Palsy
- Cleft Lip and Palate
- Craniofacial Anomalies

- Neurology
- Ophthalmology
- Orthopedics
- Otology
- Scoliosis
Autism Spectrum Disorder

• ASD is a developmental disability that can cause significant social, emotional, communication and behavioral challenges

• CDC estimates 1:59 US children are on the spectrum
Autism Spectrum Disorder

• ASD is complicated to diagnose and complicated to treat involving many different types of providers and disciplines

• Treatment needs change overtime as the child grows and enters the school system
# OCSHCN ASD Services

<table>
<thead>
<tr>
<th>Screening</th>
<th>Diagnostic (Onsite)</th>
<th>Medical (Onsite or Telemedicine)</th>
<th>Collaboration</th>
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ECHO Autism Immersion Training

A team of physicians and staff participated from:

• Juniper Health
• Office for Children with Special Health Care Needs
• University of Louisville
• University of Kentucky
KY’s ECHO Autism Planning Team

Kentucky Tele-Care
Office for Children with Special Health Care Needs
University of Kentucky
University of Louisville Physicians
University of Missouri Project ECHO
Kentucky’s ECHO Autism Objectives

Increase knowledge and awareness of Primary Care Physicians about . . .

• early detection and intervention
• medical and psychiatric treatments
• resources for families including parental supports and school advocacy
• Parent Advocate
• Child Psychiatrist
• Developmental Behavioral Pediatrician
• Child Neurologist
• Clinical Psychologist
• Educator
• As needed ABA, Social Worker, Dietician, Speech Therapist, Occupational Therapist

TeleECHO™ Clinic

- Expert hub team
- Learners at spoke site
- ECHO supports community based primary care teams
- Patients reached with specialty knowledge and expertise

Children in Kentucky with Autism and Neurodevelopmental Disorders

• Primary Care Physicians
• Pediatricians
• Family Practitioners
• Advanced Practice Registered Nurses
• Med Peds Physicians
• Psychologists
• Behavioral Analysts
ECHO Autism Expected Outcomes

• Increase ASD screening rates
• Connect to early intervention services at an earlier age
• Decrease average age of ASD diagnosis
• Increase rates of appropriate referrals to ASD services
ECHO Autism Expected Outcomes

• Provide more ASD care by PCPs
• Empower PCPs to care for common ASD behavioral and psychiatric concerns
• Increase the PCP’s confidence when advocating for children with ASD
Kentucky’s ECHO Autism Launch

- Finalize contracts with Kentucky’s hub team
- Initiate 4th quarter of 2019
- Offer CME credits to participants
- Consider ECHO Autism STAT in the future
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