ECHO Autism

Bringing Best Practice Autism Care to Communities

Kristin Sohl, MD, FAAP
Associate Professor, Child Health
Executive Director, ECHO Autism
University of Missouri Health
Increasing Gaps

- Autism awareness
- Referrals
- Parents seeking answers
- Children needing help

**Estimated Autism Prevalence 2018**

CDC increases estimate of autism's prevalence by 15 percent, to 1 in 59 children

Autism Speaks calls on nation's leaders to adequately fund critically needed research and support services

**ECHO Autism**
Health Care System Problems

Supply

Demand

Rising Inequality Declining Health

Fair and poor health

Excellent or very good health

1996 2009

8% 19%

68% 49%
Moving Knowledge, Not Patients
Extension for Community Healthcare Outcomes
The ECHO® Model

Amplification – Use **Technology** to leverage scarce resources

**Case Based** Learning to master complexity

Share **Best Practices** to reduce disparity

Web-based **Database** to Monitor Outcomes

**ECHO Autism**
ECHO Autism Clinic Framework

Biweekly clinic

- Introductions 10 minutes
- Case Discussion 35 minutes
- Didactic 20 minutes
- Wrap Up 10 minutes

G O A L

Increase local access to high quality health care for children with ASD

ECHO Autism Hub Team

- Kristin Sohl, MD  Director
- Kerri Nowell, PhD  Clinical Psychologist
- Rachel Brown, MD  Child & Adolescent Psychiatrist
- Sheila Chapman, MS, RDN  Registered Dietitian
- Alicia Curran, BS  Parent Advocate
- Melinda Odum, LCSW  Resource Expert
ECHO Autism in Missouri

Running continuously since March 2015

- Unique # of individuals – 471
- Sessions held – 98
- CME Hours – ~780
ECHO Autism STAT providers

• As of November 2017, all children in Missouri are within 60 miles of an ECHO Autism provider.

• Today, 30 primary care physicians/practitioners are able to evaluate and diagnosis children under 48 months with obvious symptoms of autism.
Multi-Tiered Autism Diagnostic Process

**Universal Screening**
- Surveillance (all visits)
  - ASQ: 9, 18, 30 months
  - MCHAT-R: 18, 24 months

**PCP Diagnostic Assessment**
- STAT Diagnostic Interview
  - Present to ECHO Autism STAT
  - At-Risk

**Referral for Further Evaluation**
- Comprehensive autism assessment at a specialty center
  - Subtle/Complex

**Unambiguous Symptoms**
- Diagnosis & Support

**ECHO Autism**
ECHO Autism: Diagnostics

• In January 2018, community diagnosticians began specialized training in autism diagnostics.

• Community-based diagnosticians are eligible to make diagnoses through ECHO Autism: Diagnostics.

• Partnerships between ECHO Autism: STAT and Diagnostic providers will ensure children receive the right diagnosis, at the right time, and in the right place.
The Missouri Diagnostic Model

Right Care, Right Time, Right Place

Tier 1
ECHO Autism: STAT

Tier 2
ECHO Autism: Diagnostics

Tier 3
Tertiary Autism Center

Increased access to timely, high quality diagnosis

ECHO Autism
Autism Ready™ Communities

Vision:
Equip all communities to care and support individuals with autism and their families through best practices, regardless of geographic location.

Mission:
Utilize the ECHO Autism Model to mentor and guide community practitioners, educators, and advocates, creating local expertise and increasing access for individuals with autism and their families.
Future Ideas / Directions

Missouri

- Missouri Pilot (14)
- Early Diagnosis (19)
- Community Psychology (10)
- Crisis Care (15)
- Primary Care (450*)
- Early Intervention (starts Dec 2019)
- Behavior Solutions (starts Dec 19)
- Family Advocates (starts Jan 20)
- Mental Health (starts Feb 20)

ATN/AS/AIRP Supported

- Replication Study (148)
- Transition to Adulthood (16+7) Navajo Nation (19)
- Alaska Native (15)
- East Africa (25)
- Center Dev. & Support (12) Caregiver Skills Training (10 [estimate])
- Clinical ECHO Autism (110 [estimate])

Collaborative**

- Ummeed Center, Mumbai (40 [estimate])
- Uruguay (40 [estimate])
- MIND Institute
- Advocate Children’s Kentucky
- University of Virginia
- University of Wyoming
- TEACCH, UNC
- University of Wisconsin

* Unique mix of local, national and international participants
** representative list only
Future Ideas / Directions
ECHO Autism Collaborative
ECHO Autism Collaborative

- University of Alabama/Children’s of Alabama
- University of Alaska (Alaskan Native)
- University of New Mexico (Navajo Nation)
- University of Alberta
- University of Kentucky
- Advocate Children’s Hospital
- Children’s Hospital of Los Angeles
- Mayo Clinic
- Seattle Children’s Autism Center
- MIND Institute
- University of North Carolina – Chapel Hill (TEACCH)
- Gertude’s Children’s Hospital – Nairobi, Kenya
- Universidad de Republica – Montevideo, Uruguay
- UMMEED Child Development Center – Mumbai, India
- University of Wyoming
- Behavior Change Institute
- University of Virginia
Thank you
Join the Movement

• What do you need to join?
  – Internet
  – Forward facing-camera
  – Collaborative spirit and willingness to learn

• What’s the catch?
  – There isn’t one… it is no-cost opportunity to learn together about recognizing and caring for children with autism

• Learn more at www.echoautism.org
Are you part of the ECHO?