ECHO is Extension for Community Healthcare Outcomes

ECHO vs. Telemedicine

TeleECHO Clinic
- expert hub team
- ECHO Supports Community Based Primary Care Teams
- learners at spoke site
- Patients reached with specialty knowledge & expertise

Traditional Telemedicine
- Specialist Manages Patient Remotely
What is ECHO?

ECHO (Extension for Community Healthcare Outcomes) is an educational program that uses videoconferencing technology to create communities of learning focused on specialists sharing their expertise with community providers who can give their patients improved care in their own communities.

Extension for Community Healthcare Outcomes

ECHO

Moves Knowledge, Not Patients

Telementoring project that creates communities of learning.
ECHO connects interdisciplinary teams of experts with primary care providers via videoconferencing. They collaborate in case-based learning to help providers in underserved communities develop advanced skills and best practices. Research shows ECHO improves the availability, quality and efficiency of patient care.
Show-Me ECHO Outcomes

96 melanomas diagnosed because of ECHO

21,215 instructional hours for ECHO participants

100% of families now live within 60 miles of an ECHO autism provider

$16 million saved by Asthma ECHO collaborations

250 people cured of Hep C because of ECHO

3,330 unique health care providers joined ECHO

93 counties/St. Louis city have ECHO providers

789 Missouri organizations participated in ECHO

MISSOURI IS GLOBAL LEADER FOR ECHO

Show-Me ECHO is one of 13 global superhubs for training others to create ECHOs. It has launched some of the first and only ECHOs in such areas as opioid use, rural veterans behavioral health, developmental disabilities and kidney disease. New ECHOs are addressing pressing health needs.
ECHOing Across Missouri
All Participant Locations: November 2014 to January 2020
Oral HealthECHO

2nd Wednesday of Each Month

12:00 pm to 1:00 pm
Why An Oral Health ECHO?

A number of national studies have shown an increase in dental-related emergency department (ED) visits in recent years. In Missouri alone, there was a 350 percent increase in ED visit rates between 1994 and 2014.
The Oral Health ECHO Will Help Dental Providers:

• Keep patient care local when appropriate

• Share evidence-based knowledge and best system-based practices

• Provide a safe and nurturing open forum for exchanging knowledge and sharing experiences

• Empower, support and educate rural providers, systems and care teams
Multidisciplinary HUB Team

**Nathan Suter**, DDS, General Dentist, COMTREA Health Center/Green Leaf Dental Care

**Craig Hollander**, DDS, MS, Associate Professor, Saint Louis University Pediatric Dental Graduate Program & Southern Illinois University School of Dental Medicine

**Gerard Krueger**, DDS, MS, FACP, Prosthodontist, Missouri School of Dentistry and Oral Health – A.T. Still University

**Romana Muller**, MSDH, RDH, Dental Hygienist, Missouri School of Dentistry and Oral Health – A.T. Still University

**Eric Wombwell**, PharmD, BCIDP, Pharmacist, UMKC – School of Pharmacy

**Richard Vargo**, DMD, DABOMP, FAAOM, Pathologist, Missouri School of Dentistry and Oral Health – A.T. Still University
Curriculum for Case-Based Learning and Discussion

- Pigmented Lesions of the Oral Mucosa
- Fracture Teeth & Repairs
- Updates on Perio Disease Manifestations
- Tips & Tricks for the General Practitioner
- Trouble with Dentures
- Managing Bisphosphonates to Reduce MRONJ
- Indirect Pulp Caps
- Managing Anticoagulants in Patients Requiring Dental Intervention
- Oral Hygiene Carries Risk
- Traumatic Injuries for Infants & Toddlers
- Lumps & Bumps
Case Presentations

Case presentations are the most critical part of an ECHO session. The discussions they generate allow us all, experts and novice participants alike, to continue learning about the burden of hypertension around Missouri and how to best treat the patients who rely on us for their care.
OUD statistics

- Sessions: 40 overall (16 in 2017, 6 in 2018, 16 in 2019)
- Hours of instruction: 360.6 overall (173.8 in 2017, 346.1 in 2018, 90 in 2019)
- Unique attendees: 304 overall (146 in 2017, 126 in 2018, 90 in 2019)
- Cases: 36 overall (14 in 2017, 16 in 2018, 6 in 2019)
OUD participant comments

- I feel I am benefiting from the knowledge of different experts sharing in the Show-Me ECHO presentations.
- I have thoroughly enjoyed this amazing learning opportunity and hope to keep growing in my knowledge and nursing care. Thank you for this opportunity!!
- Thank you for your fabulous program!
- Thanks for the opportunity!
- Thanks for this great learning experience!
DD statistics

Overall 12 sessions, 8 unique attendees, 8 cases, 8 didactics, 115 overall hours of instruction.

2019: Overall 12
2020: First two months 4
Oral Health statistics

- Unique attendees: 1 (2019), 9 (2020)

Derm statistics

Overall 1388

Overall 350

Overall 487

Overall 136

Overall 388

Overall 242

Overall 428

# sessions

Unique attendees

# cases

Didactics

Hours of instruction

2015

2016

2017

2018

2019

2020 (first two months)