



Project ECHO™



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OSU 32nd Annual Spring Fling

OSU CHS Project ECHO: Innovations in Healthcare Delivery

Joseph R. Johnson, DO, FACOOG (Disc)

Associate Dean for Project ECHO

Endowed Chair, George Kaiser Family Foundation

Disclosures

- Zarrow Foundation Grant - for Mental Health and Addiction ECHO
- Telligen Grant - for IT ECHO support
- Oklahoma Department of Mental Health Grant - Addiction ECHO
- Blue Cross - Blue Shield - Physician Participation Grant



Learning Objectives

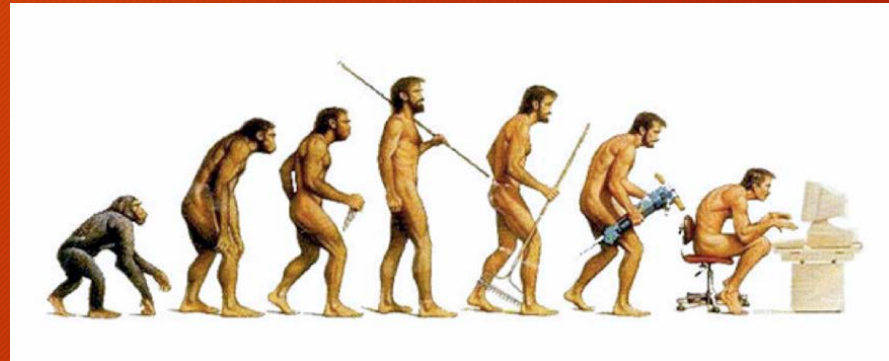
- Be able to define Project ECHO
- Understand the benefits for Project ECHO participation
- Recall learning opportunities available through Project ECHO
- Understand the ease of Participation/Registration in an ECHO line



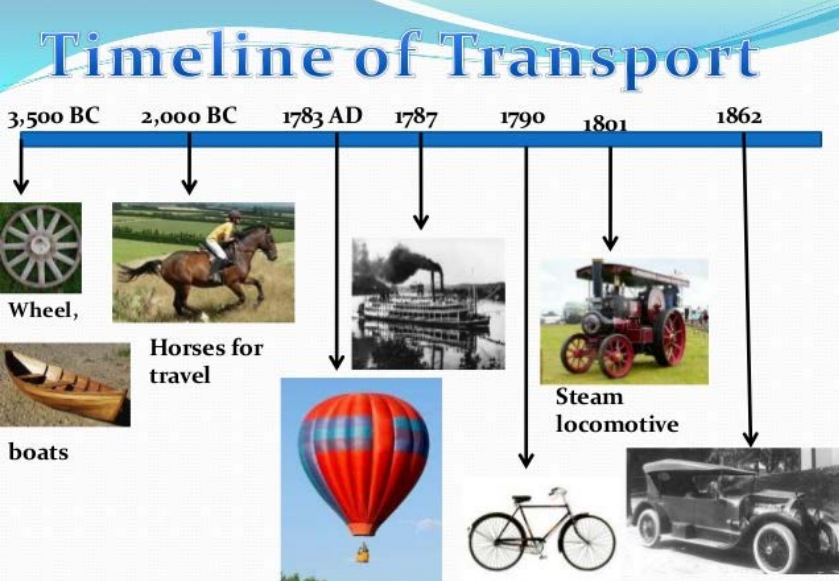
Our World Is Changing Rapidly



- Growing recognition across the world - urgency of tackling difficult, complex and inter-related issues that impact human wellbeing
- These issues include:
 - Food insecurities
 - Energy
 - Water purification
 - Technology in medicine
 - Infectious Disease



Evolution of Transportation



Speed of Transformation of Information

- *1822: English mathematician Charles Babbage conceives of a steam-driven calculating machine*
- 1936: Alan Turing presents the notion of a universal machine, later called the Turing machine
- 1953: Grace Hopper develops the first computer language, which eventually becomes known as COBOL
- 1969: A group of developers at Bell Labs produce UNIX
- *1976: Steve Jobs and Steve Wozniak start Apple Computers*
- 1985: Microsoft announces Windows
- 2005: YouTube, a video sharing service, is founded.
- 2012: Facebook gains 1 billion users
- 2015: Apple releases the Apple Watch.



OSU CHS Project ECHO Impact on Healthcare Changing the World-FAST



Extension for Community Healthcare Outcomes





Project ECHO: A Revolution in Medical Education and Care Delivery

- Project ECHO is a lifelong learning and guided practice model
- Patients have difficulty in accessing care
- Hospitals - ER don't have specialists and are overused
- Rural doctors have decreased opportunities to collaborate



Project ECHO: A Revolution in Medical Education and Care Delivery

- The heart of the ECHO model is its hub-and-spoke knowledge-sharing networks
- Led by expert teams who use multi-point videoconferencing to conduct virtual clinics with community providers.
- In this way, primary care doctors, nurses, and other clinicians learn to provide excellent specialty care to patients in their own communities.

Federal Support



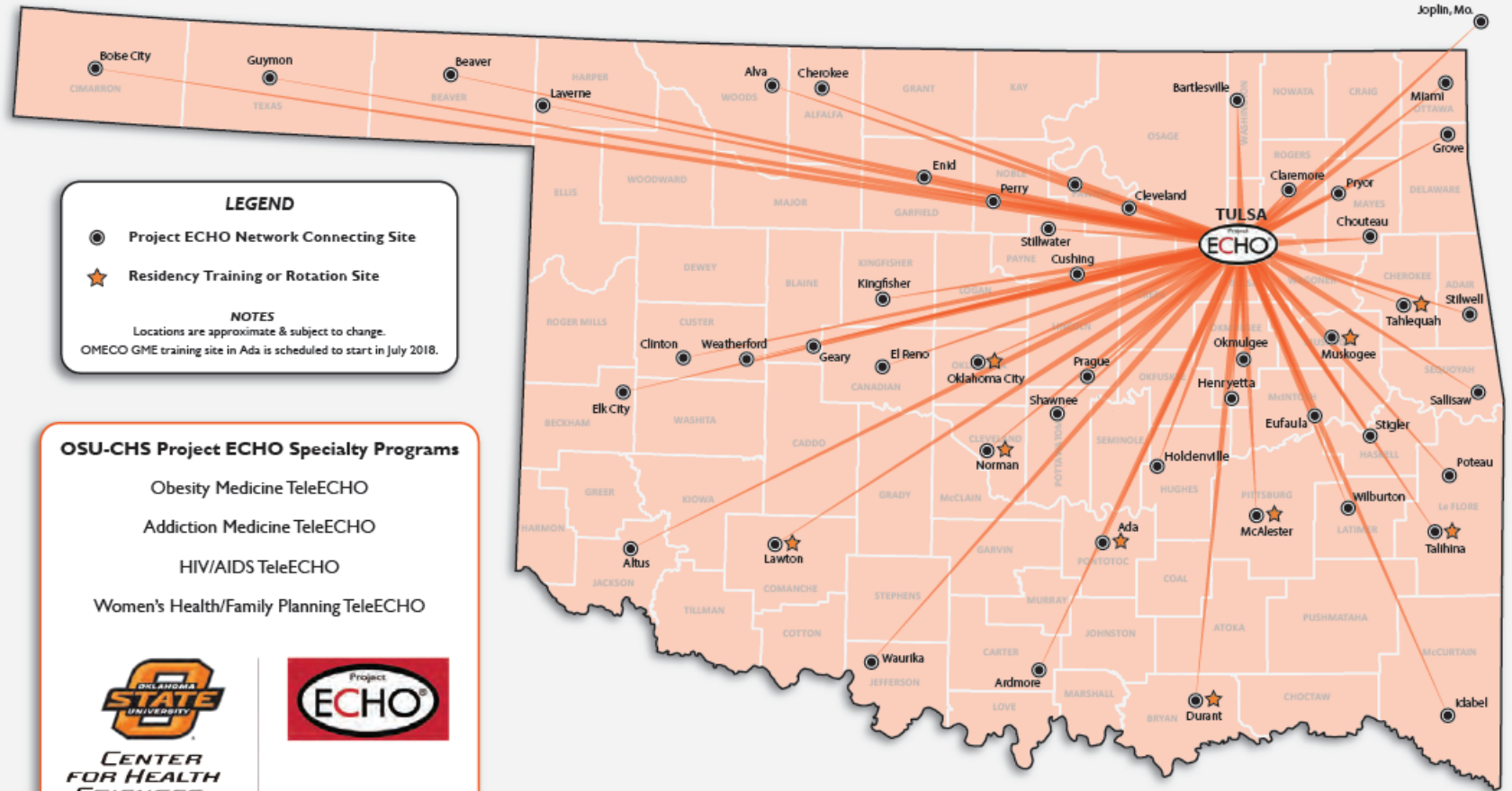
- On Nov. 29, 2016 the U.S. Senate unanimously passed the bipartisan Expanding Capacity for Health Outcomes (ECHO) Act by a vote of 97-0.
- The House of Representatives passed the bill on Dec. 6, sending it to the President to be signed into law.
- The ECHO Act will increase access to specialized healthcare in rural and underserved areas nationally.
- This bill requires the Department of Health and Human Services (HHS) to report on technology-enabled collaborative learning and capacity building models, which connect specialists to primary care providers through videoconferencing to facilitate case-based learning, dissemination of best practices, and evaluation of outcomes.

Video: Project ECHO is enhancing medical knowledge in rural Oklahoma to improve rural health

- <https://www.youtube.com/watch?v=IMY5cDKhk24>

Spokes Sites

OSU-CHS Project ECHO Hub-and-Spoke Knowledge-sharing Network



LEGEND

- Project ECHO Network Connecting Site
- ★ Residency Training or Rotation Site

NOTES
Locations are approximate & subject to change.
OMECO GME training site in Ada is scheduled to start in July 2018.

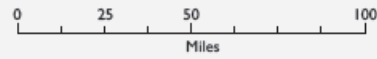
OSU-CHS Project ECHO Specialty Programs

- Obesity Medicine TeleECHO
- Addiction Medicine TeleECHO
- HIV/AIDS TeleECHO
- Women's Health/Family Planning TeleECHO

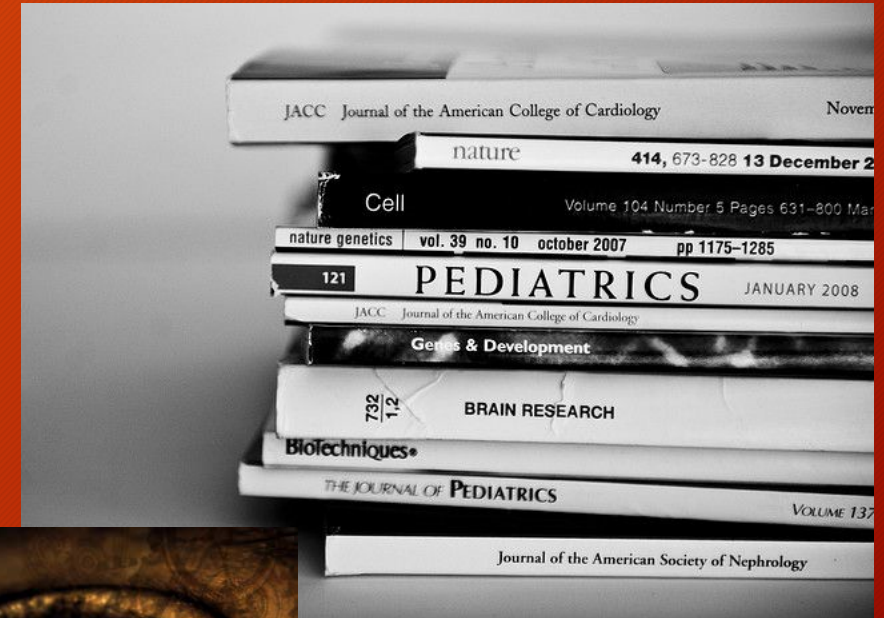



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WANT TO LEARN MORE?
echo.okstate.edu



Evidence Based Care Model Incorporated

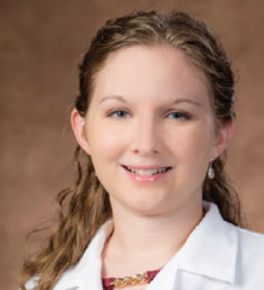


Hub Spoke Concept

- ❖ Access to any needing specialty knowledge
- ❖ Revolutionizes medical education
- ❖ Exponentially increases workforce capacity
- ❖ Provides best-practice specialty care
- ❖ Reduces health disparities



Specialty Teams

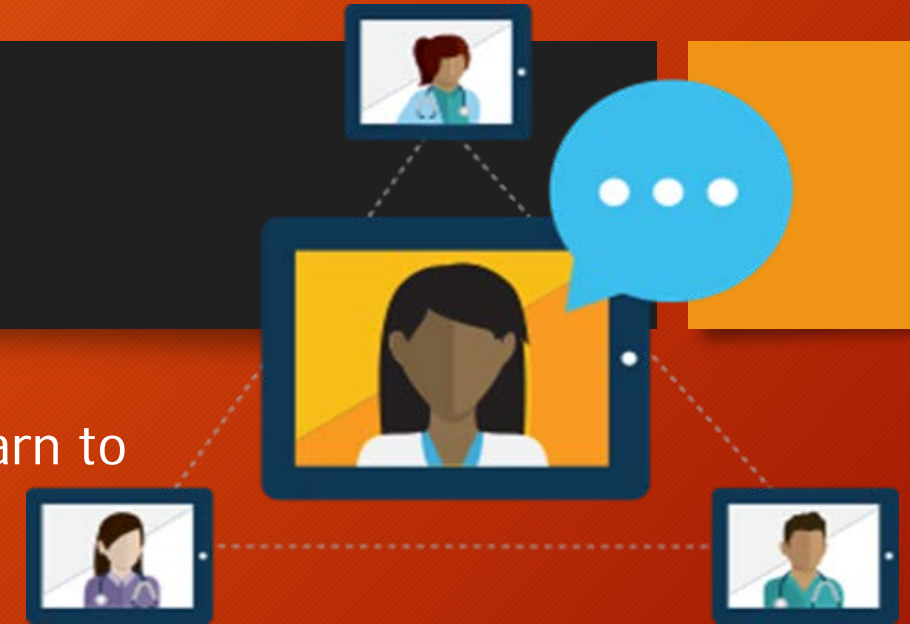


Up to 150 Participating Sites Thru ZOOM



How it works

- Primary care physicians (PCPs) and other clinicians can learn to provide excellent specialty care
- Guided practice thru teleECHO session
- Project ECHO (Extension for Community Healthcare Outcomes) model increases patient care
- Clinicians attend teleECHO™ clinic sessions to build a community of practice, learning, and support
- This approach saves time, adds convenience and improves treatment adherence for patients



Access Anywhere with as little as a cell phone

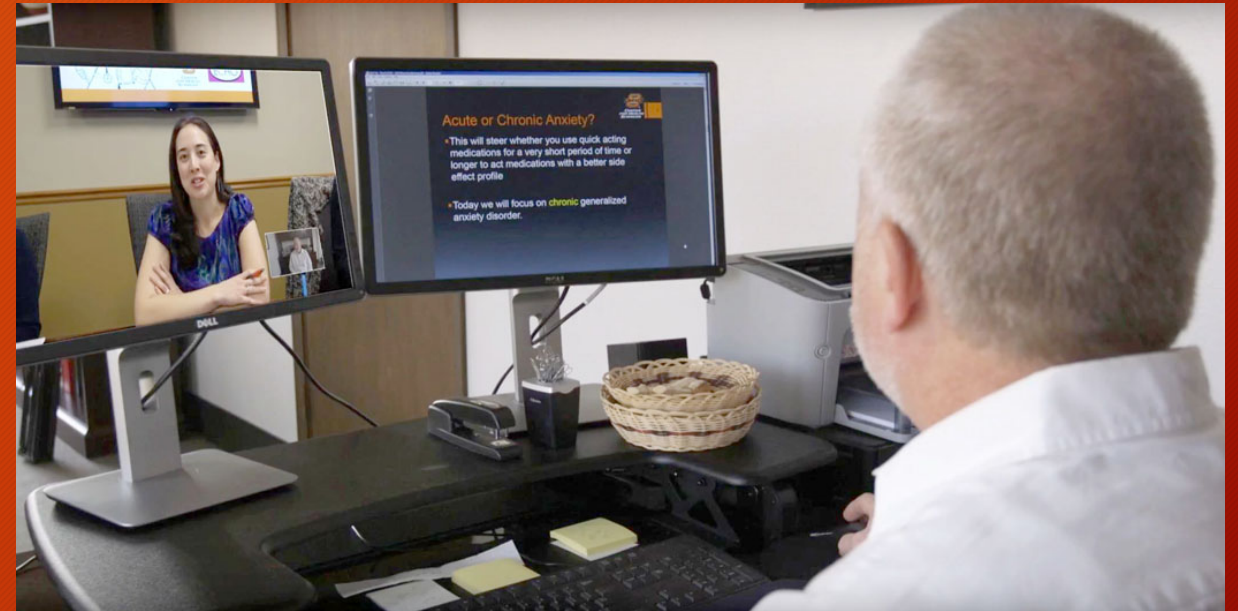


Benefits of ECHO Participation

- Obtain knowledge from specialists
- Obtain CME credit for participation
- Improve patient care thru guided practice model
- Engage with an expert team and collaborate with the ECHO community
- Be able to provide specialty care in your own communities instead of referring for long distances and excessive wait times

Spokes Get Individualized Guided Practice

- Each session effectively treats 10 patients
- Each patient treated saves \$1403.00 in medical treatment
- Each ECHO line saves millions in federal dollars spent



Those Helped with ECHO

- Total of 103 ECHO Clinics Held
- 75 Organizations
- 478 Cumulative Participants
- 151 Unique Participants
- Project Savings \$2,118,530 in less than One Year



Why Psychiatry ECHO?



- Mood disorders, including major depression, dysthymic disorder and bipolar disorder, are the third most common cause of hospitalization in the U.S. for both youth and adults aged 18-44
- More than 90% of children who die by suicide have a mental health condition
- Suicide is the 10th leading cause of death in the U.S.

Psychiatry Team



Jason Beaman, D.O., M.S.
Board Certified in Psychiatry, Family
Medicine and Forensic Psychiatry



Kelly Murray, Pharm.D., BCACP
Clinical Pharmacist



Courtney Busse-Jones, B.S.
Project ECHO Clinical Coordinator



Alicia Ford, Ph.D.
Clinical Psychologist



Shantel Bolton, BSN, RN
Nurse, Case Manager
Health Access Network



EASTERN STATE UNIVERSITY
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Project **ECHO**
Ochsner Health System
Center for Health Sciences

Why Obesity ECHO?



- Individuals and families have limited access to experienced obesity medicine professionals despite the fact that:
- One-third of Oklahoma adults and nearly one in five children are obese
- The majority of Oklahomans are physically inactive
- Most Oklahomans do not meet recommended fruit and vegetable consumption recommendations
- Oklahomans experience high rates of diabetes, HTN, CVD
- The leading causes of death in Oklahoma are preventable



Why Addiction Medicine ECHO?



- Oklahoma ranks second in the nation at 11.9% for rates of any substance abuse disorder
- Between 700,000 and 950,000 adult Oklahomans need services for substance abuse disorders
- Limited access to treatment for substance abuse disorders
- Establishing local treatment specialist



Why Viral Medicine ECHO?



- At the end of 2014, an estimated 5,610 people were living with HIV/AIDS in Oklahoma.
- In 2014, 311 cases of HIV were newly diagnosed in Oklahoma.
- In 2014, approximately 9,783 cumulative HIV/ AIDS cases were diagnosed in Oklahoma.
- April 2018 Viral Hepatitis C is a curable condition
- Dr Mera - CDC Cherokee Nation Impact

<https://www.hhs.gov/hepatitis/blog/2016/11/4/cherokee-nation-screens-23,000-for-hepatitis-c.html>

HIV/AIDS Team



Medhuri J. Led, D.O., FACO, AAHIVS
Clinical Assistant Professor
Internal Medicine



Christina Connel, Pharm.D., AAHIVP
Clinical Assistant Professor
Internal Medicine



Jade Goodson, CMA
Project ECHO, Clinical Coordinator



Pediatric Emotional and Behavioral Health

- Tessa Chesher, D.O.
 - Associate Clinical Professor
 - Child and Adolescent Psychiatrist
 - Infant Mental Health Specialist
 - Department of Psychiatry and Behavioral Sciences
-
- Sara Coffey, D.O.
 - Assistant Clinical Professor
 - Child and Adolescent Psychiatrist
 - Department of Psychiatry and Behavioral Sciences



Other Potential ECHO

- Cancer Care - HPV Vaccination Rates
- Correctional Medicine
- Women's Health and High Risk Pregnancy
- Endocrine Disorders, Diabetes
- Osteoporosis Management
- Healthcare Administration
- Cardiology
- Collaboration / Research



What Happens in an ECHO?



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ECHO ID Request Form

Complete ALL ITEMS on this form and fax to Courtney Busse-Jones

ECHO Fax: 918-561-1468

***Required items in order to DE-identify your case.**

Patient ID #: 2017-

1. Patient Gender*:	
2. Patient Region:	
3. Provider Phone Number:	
4. Provider Fax Number:	
5. Provider Email:	
6. Clinic/Facility Name and City*:	
When do you want to present your case? Date and approximate time?	

PLEASE NOTE that Project ECHO® case consultations do not create or otherwise establish a provider-patient relationship between any OSU-CHS clinician and any patient whose case is being presented in a Project ECHO® setting.

When we receive your case, we will email you with a confidential patient ID number (ECHO ID) that must be utilized when identifying your patient during clinic.



The information in this FAX message is privileged and confidential. It is intended only for the use of the recipient at the location above. If you have received this in error, any dissemination, distribution or copying of this communication is strictly prohibited. If you receive this message in error, please notify Courtney Busse-Jones at 918-561-ECHO immediately.

Case Form:

Diagnoses

Main Question and HPI

Medication History

  **Oklahoma State University Psychiatry TeleECHO™ Clinic**
Case Presentation Template

Date: _____ Presenter Name: _____ Clinic Site: _____
ECHO ID: 2017-____ New Presentation Follow Up Presentation Gender: Male Female Other
Pt Age: ____ Race: Black White Asian Native Mixed-Race Other _____

Current Psychiatric Diagnoses:

Major Depressive Disorder Schizophrenia Panic Disorder
 Generalized Anxiety Disorder Schizoaffective Disorder Posttraumatic Stress Disorder
 Bipolar Disorder Social Anxiety Disorder Other: ____

What is your main question for this presentation?

History of present illness:

Additional relevant information for case:

MENTAL HEALTH MEDICATIONS

Name	Strength	Sig	Indication	Start Date

ALL OTHER MEDICATIONS (Rx, PRN, OTC, Herbals, etc)

Name	Strength	Sig	Name	Strength	Sig

Case Form:

Side Effects/Toxicity

PMH

Social History



PAST MEDICATIONS USED FOR PSYCHIATRIC DIAGNOSES

Names:	
--------	--

Side Effects/Toxicity

<input type="checkbox"/> AIMS	Date:	Score:
<input type="checkbox"/> Lipids	Date:	TC ___ LDL ___ HDL ___ TG ___
<input type="checkbox"/> Lithium	Date:	Level:
<input type="checkbox"/> Other relevant side effects/toxicities:		

Past Psychiatric History

<input type="checkbox"/> Past Psychiatric Hospitalizations	
<input type="checkbox"/> History of Suicide Attempts	
<input type="checkbox"/> Other Information	

Social History

Relationship:	<input type="checkbox"/> Married <input type="checkbox"/> Single <input type="checkbox"/> BF/GF <input type="checkbox"/> Widowed <input type="checkbox"/> Unknown
Current Substance Use:	<input type="checkbox"/> Alcohol (> 3 Drinks/Day) <input type="checkbox"/> RX <input type="checkbox"/> Methamphetamine <input type="checkbox"/> Marijuana <input type="checkbox"/> Other _____
Stable Housing:	<input type="checkbox"/> Yes <input type="checkbox"/> No
Employment:	<input type="checkbox"/> Unemployed <input type="checkbox"/> Employed Full Time <input type="checkbox"/> Employed Part Time <input type="checkbox"/> Disabled
Insurance/Payer/Self-Pay:	<input type="checkbox"/> State Ins (Medicare/Medicaid) <input type="checkbox"/> Private Ins <input type="checkbox"/> Self Pay <input type="checkbox"/> Other _____
Counseling Services Utilized:	

Benefits and Implementation of ECHO in Your Setting



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Service Lines at OSU-CHS

- Addiction Medicine ECHO - Mondays 12:00 noon-1:15 pm
- Pediatric Obesity ECHO - Mondays 12:00 noon - 1:15 pm
- HIV Viral ECHO - Tuesdays 12:00 noon - 1:15 pm
- Pediatric Emotional ECHO - Tuesday 12:00 noon - 1:15 pm
- Hepatitis C ECHO - Thursday 12:00 noon - 1:15 pm
- Psychiatry ECHO - Thursday 12:00 noon - 1:15 pm
- Superintendents Schools - STEM ECHO - TBA



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How to be part of OSU-CHS Project ECHO[®]?

1. Visit <https://health.okstate.edu/echo> to **complete the area of interest form**
Upon receipt of your interest form an ECHO[®] line coordinator will contact you
2. Once an interest is shown in an ECHO[®] topic , your name will be placed in the iECHO data base. You will receive an invite with the ZOOM link for **instructions on how to gain access to the session.**
3. Follow the ZOOM link to **join a teleECHO[™] Clinic** via Zoom platform
4. **Attend weekly teleECHO[™] Clinics**
5. **Develop Case Presentation** and send to ECHO[®] Coordinator
6. To **receive 2, 1A CME Hours**: Complete Pre/Post Test, Attestation form and Outcome Measures for each teleECHO[™] Clinic to receive 1A CME





- About OSU-CHS Project ECHO
- Psychiatry TeleECHO
- Obesity Medicine TeleECHO
- Addiction Medicine TeleECHO
- HIV/Viral Disorders TeleECHO
- ECHO Schedule
- Contact Information
- [Register for Clinic](#)



OSU-CHS Project ECHO

Project ECHO (Extension for Community Healthcare Outcomes) is a movement to demonopolize knowledge and amplify the capacity to provide best practice care for underserved people all over the world. Project ECHO started as a way to meet local healthcare needs. Launched in 2003 by the University of New Mexico, Project ECHO operates more than 90 hubs worldwide covering more than 45 diseases and conditions.

Project ECHO: A Revolution in Medical Education and Care Delivery

Project ECHO is a collaborative model of medical education and care management that empowers clinicians everywhere to provide better care to more people, right where they live. It dramatically increases access to specialty treatment in rural and underserved areas by providing front-line clinicians with the knowledge and support they need to manage patients with complex conditions.

The heart of the ECHO model™ is its hub-and-spoke knowledge-sharing networks, led by expert teams who use multi-point videoconferencing to conduct virtual clinics with community providers. In this way, primary care doctors, nurses, and other clinicians learn to provide excellent specialty care to patients in their own communities.



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Oklahoma State University Center for Health Sciences



About OSU-CHS Project ECHO

Psychiatry TeleECHO

Obesity Medicine TeleECHO

Addiction Medicine TeleECHO

HIV/Viral Disorders TeleECHO

ECHO Schedule

Contact Information

Register for Clinic



Register for a Clinic

By completing the registration form below, you will be notified each week about OSU-CHS TeleECHO clinics in your specified area of interest.

OSU-CHS PROJECT ECHO TELEECHO CLINIC REGISTRATION FORM

Welcome to OSU-CHS Project ECHO! Please complete the form below to register to participate in the clinics. After you complete this form you will be contacted by email with instructions for attending the next TeleECHO clinic. Register at least two days before the clinic you plan to attend. You need to register to get continuing education credits for your participation in clinic. You only need to register one time. By registering, you will be contacted with information about how to participate in upcoming clinics in your interest area(s) each week.

Name *

First Last Suffix

Email *

Health Center / Organization

Address

City State Zip Code

Phone *

AOA Number

Credentials

Required if seeking CME credit from the American Osteopathic Association.

D.O., Ph.D., RNA, etc.

Which TeleECHO clinic(s) are you interested in participating in?

- Psychiatry Obesity Medicine
HIV/AIDS/Viral Disorders Addiction Medicine

Comments or questions

Submit



New Email New Items Ignore Clean Up Delete Reply Reply All Forward Meeting More LibCal Reservati... To Manager Team Email Done Reply & Delete Create New Move Rules OneNote Assign Policy Unread/Read Categorize Follow Up Search People Address Book Filter Email Store

New Delete Respond Quick Steps Move Tags Find Add-in

Favorites
Inbox 631
 Sent Items
 Deleted Items **128**
 CONTACT LISTS

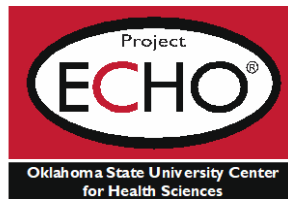
busse Current Mailbox
All Unread By Date Newest
OSU Center for Health Sciences Project ECHO
Psychiatry ECHO clinic 11.9.17 Wed 8:21 AM
 Join us Thursday for Project ECHO! Join us today and see what Project ECHO is all about! ECHO
 Tuesday



Join an ECHO by:

- Computer: PC, iPhone, iPad, Android, etc:
 1. Click on link
 2. Zoom will automatically download

- Join by Phone



ECHO Psychiatry

Noon - 1:30 Central Standard Time
Thursday, November 16th, 2017

Video Connection Information

Join from PC, Mac, iOS or Android: <https://echo.zoom.us/j/2329743556>

Joining by phone ONLY:

+1 646 558 8656 or +1 669 900 6833 (US Toll)

Participant ID: Shown after joining the meeting

Meeting ID: 232 974 3556

Press *6 to mute your line when not speaking

To join via video from Video Conferencing System:
Dial: 162.255.37.11 (US East) or 162.255.36.11 (US West)
Meeting ID: 232 974 3556

[Instructions for Zoom](#)

For Additional Information

Contact:

Tara M. Jackson, MHA, DrPH (C)

Director Project ECHO[®]

tara.m.jackson@okstate.edu

Phone: 918-561-1460

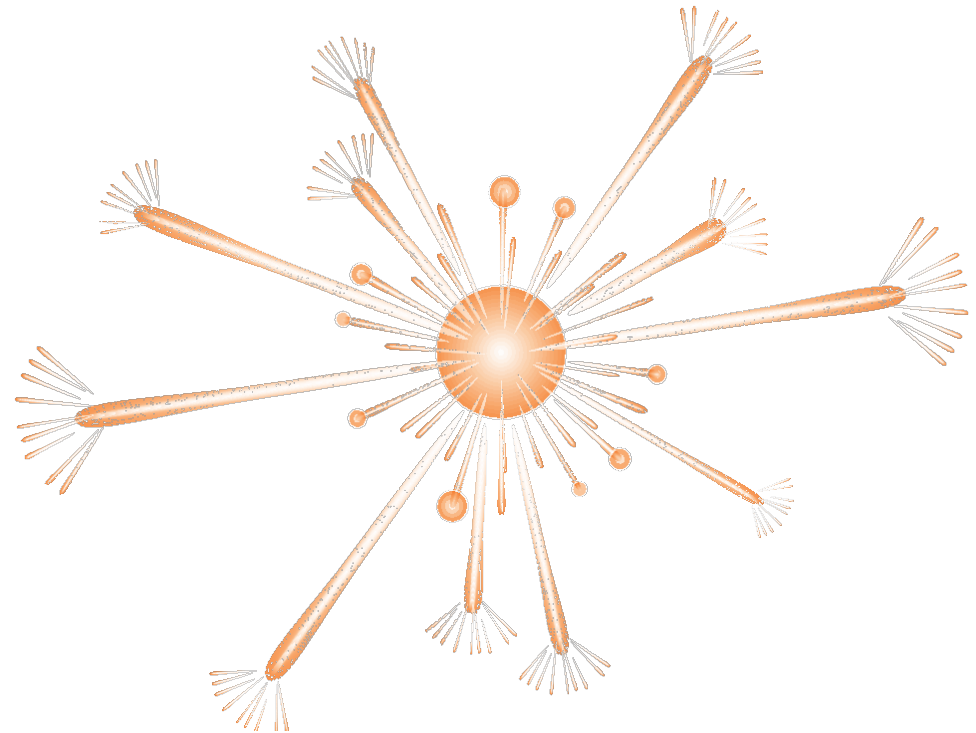
Joseph R. Johnson, D.O., FACOOG

Associate Dean Project ECHO[®] & Medical Director

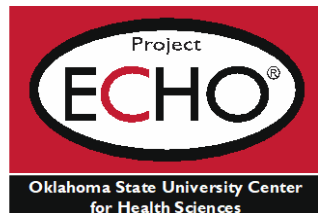
Joseph.r.johnson@okstate.edu

Phone: 918-510-3619

Visit our website: www.health.okstate.edu/echo



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THANK YOU!

Looking forward to seeing you in an ECHO!!



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