

PROGRAM DESCRIPTION

Department of Higher Education and Workforce Development
Program Name: Division of Four-year Colleges and Universities

HB Section(s): 3.205

Program is found in the following core budget(s): University of Missouri - Extension for Community Healthcare Outcomes

1a. What strategic priority does this program address?

Access and success

1b. What does this program do?

Telemedicine increases access to specialty care, but it does not increase capacity of individual specialists. Show-Me Extension for Community Healthcare Outcome (ECHO) is a replication of the Project ECHO program developed at the University of New Mexico. Project ECHO is a lifelong learning and guided practice model that revolutionizes medical education and exponentially increases workforce capacity to provide best-practice specialty care and reduce health disparities. It links expert specialist teams at an academic 'hub' with primary care clinicians in local communities – the 'spokes' of the model. Show-Me ECHO has always educated physicians and other primary care providers; however, the application of the model has grown to include PK-12 educators and other professions contributing the health and wellbeing of Missourians.

Show-Me ECHO uses videoconferencing to connect a group of community clinicians and other service providers to a multidisciplinary group of specialists around a specific disease state or condition. Together, they participate in regularly scheduled Show-Me ECHO clinics, which include a short but high value lecture combined with mentoring through patient/client/student case presentations and discussions. As the community providers learn about the disease state or condition and with the mentorship of the specialists, they become a regional center of excellence that can help provide specialty care to patients/clients/students who might not otherwise be able to receive care. Show-Me ECHO increases the number of providers who will treat complex conditions. Relationships are created between specialists and community providers so that patients with chronic conditions can stay in their community for care without being referred to specialists unless completely necessary.

Show-Me ECHO facilitates comprehensive, best-practice care for patients with complex health conditions, within their local community. Show-Me ECHO enables collaboration between specialty and primary care that expands access to best-practice medical care across Missouri.

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2a. Provide an activity measure(s) for the program.

Chronic and General Medical: Adult Psych; Dermatology; Diabetes; Disordered Eating/Eating Disorders; Foot Preservation; Hepatitis C; HIV; Hypertension; Kidney Disease; Opioid Use Disorder; Oral Health; Pain Management; Suicide Prevention in Health Care

Child Health: Asthma (3 ECHOs for different audiences); Autism; Child Psych; Developmental Disabilities; Missouri Moms & Babies; Mothers, Infants, & Neonatal Abstinence Syndrome (NAS); Pediatric Sleep; Pediatric Weight Management

COVID: COVID-19; COVID-19 & Kids; Managing Hospitals and Patients in a Pandemic; Post-Acute/Long-Term Care.

Educator: Autism: Behavior Solutions in Schools; Cultivating Positive Classroom Climate – High School; Head Start, Social Emotional Learning – Middle School; Trauma-Informed Schools.

Other professions: Building Healthy Communities; Certified Peer Specialist; Community Health Worker; Telemedicine; Veterinary Education & Training

Additional ECHOs being added in FY 2023 include Concussion; Dementia; Foster Care; Newborn Medicine; and Tobacco Cessation.

Calendar Year	Hours of Instruction	Unique Participants	Number of Cases
2016	3,654	573	246
2017	4,272	875	334
2018	5,461	1,242	355
2019	7,390	1,615	387
2020	20,720	3,200	360
2021	27,100	3,374	387

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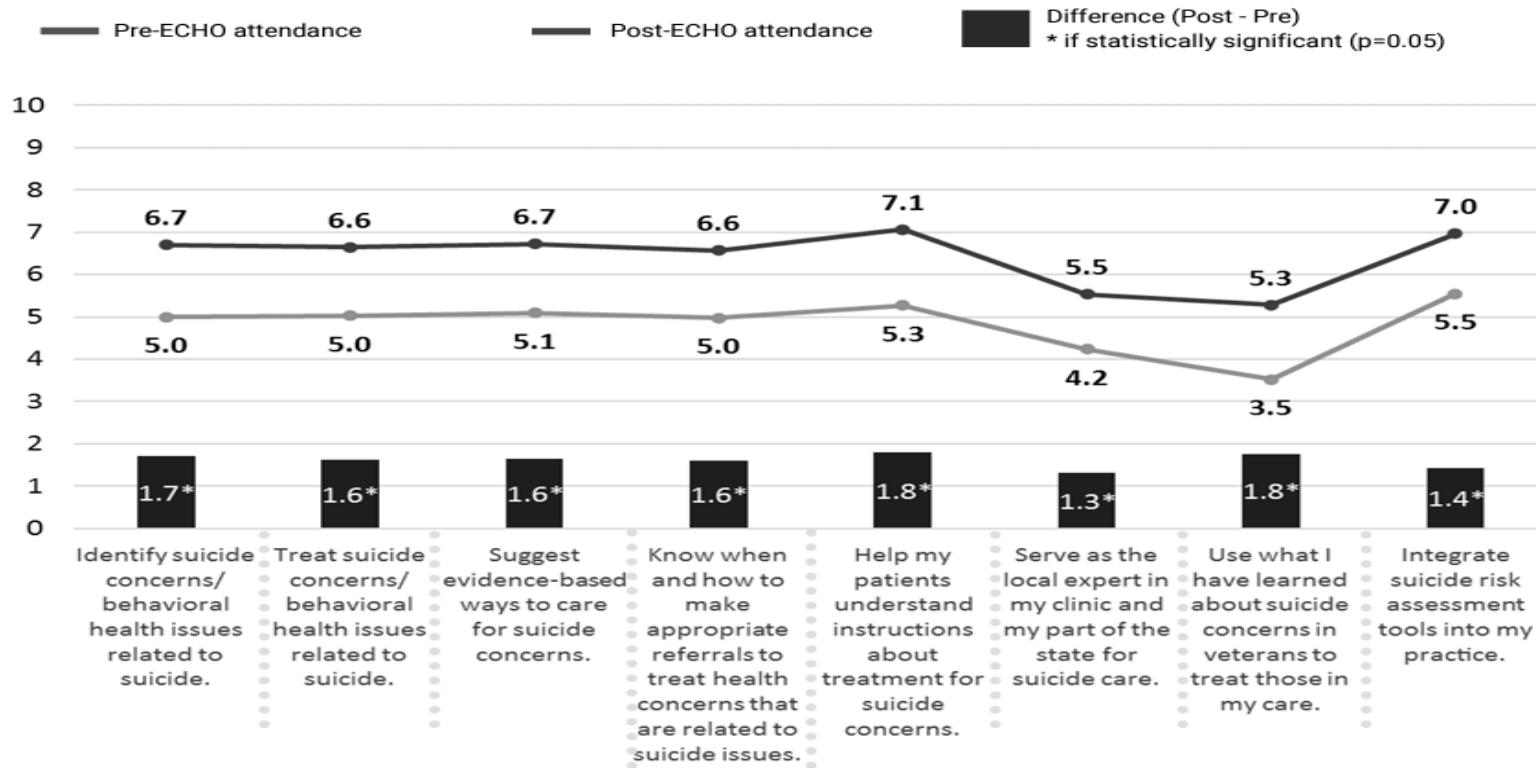
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2b. Provide a measure(s) of the program's quality.

For each ECHO, we measure self-efficacy of the providers. Self-efficacy is defined by Albert Bandura as an individual's belief in his or her ability to organize and execute goals. The following graph is a sample of data from the Suicide Prevention ECHO which shows a statistically significant increase in participants' pre and post ECHO self-efficacy. (36 participant responses)

I am sure I have the skills to...



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2c. Provide a measure(s) of the program's impact.

In calendar year 2021, Show-Me ECHO continued to share the most up-to-date information about COVID-19. ECHO topics included COVID-19, COVID-19 and Kids, Missouri Moms and Babies, Managing Hospital and Patients in a Pandemic, and Post-Acute Care/Long-Term Care. These ECHOs provided 11,863 person hours of COVID-19 instruction to 1,284 unique learners from 678 organizations in 105 Missouri counties and the City of Columbia.

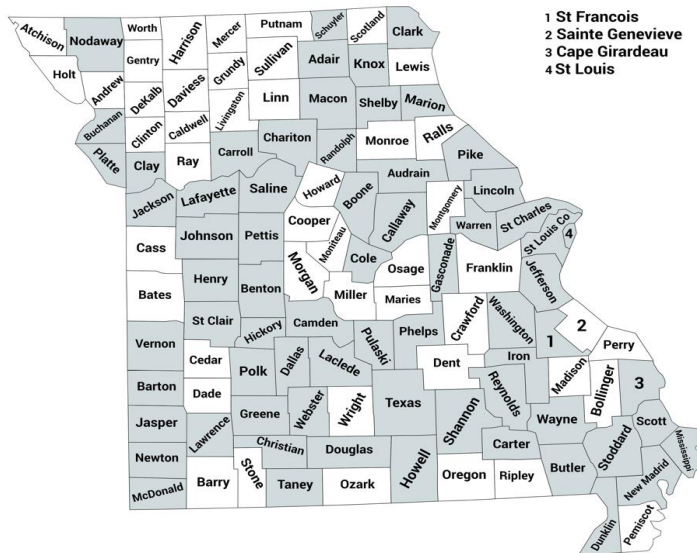
The Opioid Use Disorder ECHO doubled the hours of instruction it delivered in calendar year 2021 to 1,045 hours earned by 276 individuals from 56 counties. The Suicide Prevention ECHO, new in 2021, provided 911 hours of instruction earned by 264 individuals from 45 counties. In 2021, participants from every Missouri county brought their knowledge back to serve Missourians in their communities.

2d. Provide a measure(s) of the program's efficiency.

The Show-Me ECHO program's efficiencies lie in its virtual nature. In calendar year 2021 there were more than 3,300 participants from over 1,000 organizations including healthcare, education, and other social services and government organizations. The maps below show where the Show-Me ECHO participants come from. Grey counties indicate provider participation. In addition, all the nearly 400 cases discussed during sessions were patients of participants serving in health professions shortage areas.

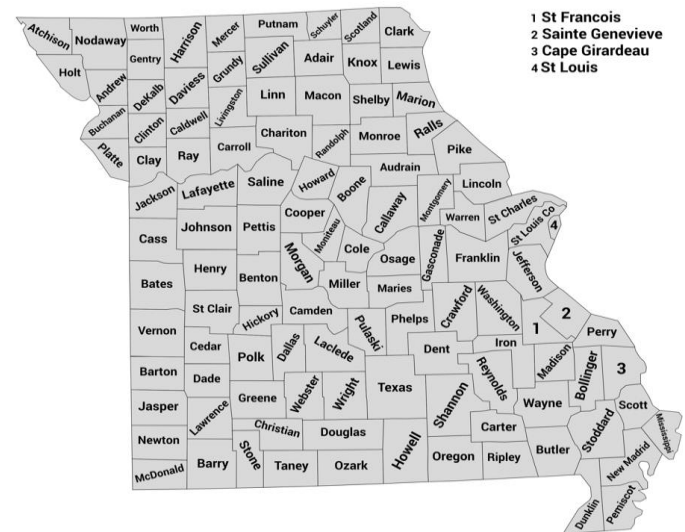
Calendar Year 2017

67 counties plus the City of St. Louis



Calendar Year 2021

114 counties plus the City of St. Louis

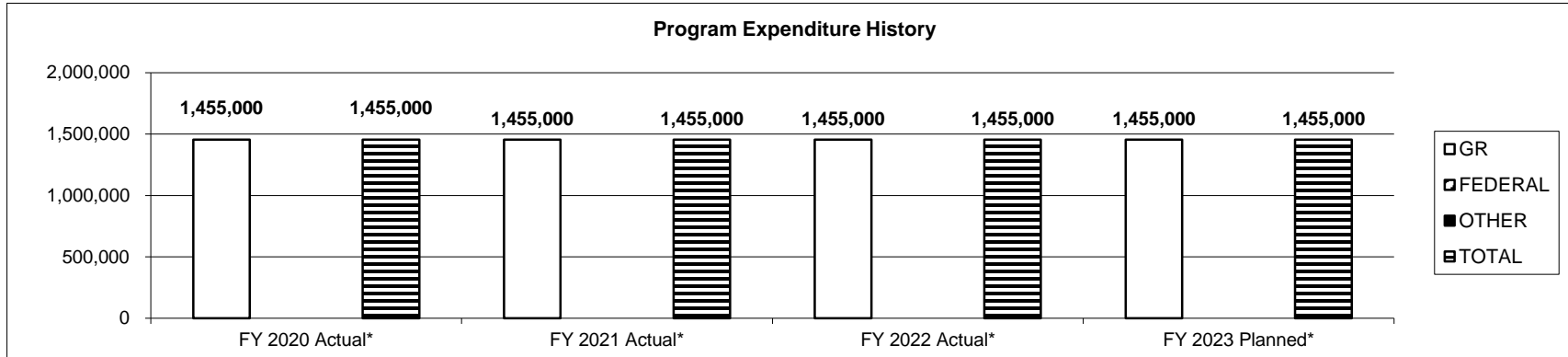


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3. Provide actual expenditures for the prior three fiscal years and planned expenditures for the current fiscal year. (Note: Amounts do not include fringe benefit costs.)



* Net of 3% statutory reserve in all years.

4. What are the sources of the "Other " funds?

None

5. What is the authorization for this program, i.e., federal or state statute, etc.? (Include the federal program number, if applicable.)

Section 191.1140, RSMo.

6. Are there federal matching requirements? If yes, please explain.

No

7. Is this a federally mandated program? If yes, please explain.

No