

UNIVERSITY OF MISSOURI EXTENSION

Cedar County

2018 ANNUAL REPORT

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WHO WE ARE

Cedar County MU Extension Center and its programs are funded by county, state and federal appropriations. Cedar County Commission as well as revenue generated from local programs provides the support for the Cedar County MU Extension. These funds are used to fund office space and expenses, support staff salary, 0.25 Youth Program Assistant salary and travel expenses for staff and specialist that conduct educational programs in Cedar County. A special thank you, to the Cedar County Commission for their financial assistance.

<p>Cedar County Extension Council <u>Elected</u> Frank Anderson—Stockton Tom Bryant—Stockton Mark Beason—El Dorado Springs Maranda Spangler—Stockton Amy French—Jericho Springs Amy Hedrick—El Dorado Springs Kelly Hendricks—Jerico Springs Randy Langsten – El Dorado Springs Glenda Pate—Humansville Jim Phillips—Fair Play Joy Rutledge—Stockton Rachel Stauffer—El Dorado Springs</p> <p><u>Appointed</u> Marlon Collins—County Commissioner Jordan Richner—Farm Bureau Anna Hasselhuhn—City of Stockton Ben Francis—City of El Dorado Springs</p> <p>About us Location: Cedar County Courthouse 113 South Street Stockton, Mo. 65785 Hours: Mon – Fri 8:00 a. m. to 12:30 p. m. 1:00 p. m. to 4:30 p. m. Contact info: Phone: 417 – 276 – 3313 Email: cedarco@missouri.edu</p>	<p>Cedar County Faculty and Staff</p> <p>Tammy Ikerd County Engagement Specialist for 4-H Youth Development</p> <p>Patrick Davis Regional Livestock Specialist</p> <p>Heather Burns Office Support Staff</p> <p>Janet Fox Nutrition Program Associate</p> <p>TBA 4-H Youth Development Assistant</p> <p>Wayne Prewitt West Central Regional Director</p>	<p>Staff serving Cedar County, (based in other counties)</p> <p>Patricia Miller Regional Agronomy Specialist</p> <p>David Black Regional Agriculture and Environment Specialist</p> <p>Wesley Tucker Regional Agricultural Business Specialist</p> <p>Sara Bridgewater Regional Nutrition and Health Education Specialist</p> <p>Robert Balek Regional Horticulture Specialist</p> <p>Kyleigh Sullivan Regional Human Development Specialist</p> <p>Sarah Havens Regional Natural Resources Specialist</p> <p>Ramon Arancibia Regional Commercial Horticulture Specialist</p> <p>Ken Surbrugg Business Development</p>	<p>Cedar County Commissioners</p> <p>Marlon Collins Presiding Commissioner</p> <p>Don Boultinghouse Northern District Commissioner</p> <p>Robert Foster Southern District Commissioner</p> <p>State Legislator</p> <p>Ann Kelley State Representative 127th District</p> <p>Mike Stephens State Representative 128th District</p> <p>Warren Love State Representative 125th District</p> <p>Sandy Crawford State Senator 28th District</p>
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December 31, 2018

Dear Cedar County Commissioners, Stakeholders and Friends,

Thank you for continuing to make University of Missouri Extension relevant and successful in providing educational programs for the citizens of Cedar County. This annual report outlines the success MU Extension has had in Cedar County during 2018.

The success of University of Missouri Extension in Cedar County depends upon the dedication and support of members of the County Extension Council. The council assists staff with planning and implementing programs by communicating the interests and concerns of local citizens. Programming efforts require the best efforts of our partnerships in the state to maximize and apply our resources where the greatest impact can be made.

We want to extend a special thank you to the Cedar County Commission for their continued support of the Cedar County MU Extension Center.

We would also like to thank all of our volunteers, partners and stakeholders who continue to support our efforts in extension.

When you support University of Missouri Extension, Cedar County benefits as well as the state of Missouri.

Sincerely,

Rachel Stauffer
CEDAR COUNTY EXTENSION
COUNCIL SECRETARY

Tammy Ikerd
4-H YOUTH DEVELOPMENT
CES / CEDAR COUNTY

Kelly Hendricks
CEDAR COUNTY EXTENSION
COUNCIL CHAIRWOMAN

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Dear county commissioners and friends of MU Extension,

The past year has been extremely productive for University of Missouri Extension and Engagement. With the launch of our county engagement specialist model, which is the centerpiece of a long-overdue restructuring, we are better positioned to serve Missourians.

Most county engagement specialists are now in place and the formal training for this new position rolled out this fall. By January 2019, we expect our CESs to be well on their way to success. I see a great future for them and the communities they serve.

At the MU campus, we have been busy putting in place online resources that will benefit Missouri communities. In particular, the All Things Missouri web portal is an exciting tool that can help community leaders search for valuable data. I encourage you to check it out at <https://allthingsmissouri.org/>.

When 2018 began, we set out to meet with every county's administrative body. This effort provided valuable insight and helped strengthen relationships; and as a result, we will engage in a similar effort in 2019. Meeting stakeholders and deepening county relationships is something we truly enjoy.

As you read your county's annual MU Extension report, I am confident that you will be pleased with the results accomplished through county-based University of Missouri faculty. Our faculty take pride in their efforts to respond to local extension council input.

At the state level, we have committed to a goal of doubling the economic impact of MU Extension over the next decade. This goal of \$2 billion in public value is ambitious — but, by meeting this challenge, we will help a great many Missourians.

Your support of MU Extension and our efforts in your community are greatly appreciated. As always, I welcome your input on how the University of Missouri can better serve your community and its people.

Sincerely,

A handwritten signature in black ink that reads 'Marshall Stewart'.

Marshall Stewart

**Cedar County State Fair Farm Family
Shannon and Miranda Lowrey (daughter Danica, age 9)**



**Cedar County Century Farm Family
Mark & Jennifer Koca, Paul & Jana Robinson**



The Koca Family

Back: Alan Koca, Megan Koca, Josh Rand, Tegan Rand and baby Ellison Rand

Front: Lincoln Koca, Jennifer Koca, Mark Koca, Harrison Rand



The Robinson Family

Back: Paul Robinson, Evan Robinson

Front: Emily Robinson, Jana Robinson



Velynda Cameron
4-H Youth Development
Specialist

CEDAR COUNTY 4 – H CLUBS



Cedar County 4-H creates environments in which young people are valued, contributing members of their community. 4-H provides Cedar County youth with hands-on learning opportunities in a safe environment where they can experiment, innovate and think independently with the help of caring volunteers.



Linda Heryford
4-H Youth
Professional
Associate

Number of Cedar County residents served

- 148 4-H Members
- 54 Trained Volunteers

Accomplishments

Cedar County 4-H serves youth through 6 organized clubs. The youth of Cedar County have demonstrated learning through the following activities:

County

- 35 Club Officers
- 4 County Council Officers
- 473 Projects registered
- 4-Hers also participate in many local events such as county 4-H council meetings, leader training, Achievement Day, Cedar County Youth Fair, Land O'Lakes Youth Fair, and Recognition celebration and community service events

Regional and State Events

- One West Central Region 4-H representative to State 4-H Council
- Three members attended a zoology camp at Sea World - Busch Gardens, Orlando, Florida
- Four Cedar County members participated in the Missouri State 4-H Equine Tour
- Two Cedar County members participated in Missouri Teen Conference
- Two State Fair demonstrations
- Several members competed at regional and state shooting sports competition
- Members competed at Regional Horse Bowl Contest
- Non-livestock projects submitted to Ozark Empire Fair
- Non-livestock projects submitted to Missouri State Fair



Missouri 4-H Members

- Spend more of their leisure time than peers engaged in projects of interest anchored in science (Khan, 1989)
- Three times more likely to go into science related careers than similar peers (Lerner and Lerner, 2008)
- 4-H youth are nearly twice as likely to expect to go to college (Lerner and Lerner, 2011)
- Being on campus is a predictor of youth going onto higher education (Hoover, 2006).

How does this make Cedar County and Missouri Better?

- Youth who earn their bachelor's degree, increase annual earnings by \$2 million over their lifetime (NACUBO, 2012).
- If 50% of the Cedar County members participating in 4-H events on the MU Campus go on to earn their bachelor's degree, 4-H would help young people earn \$143.7 million more of lifetime earnings.
- Volunteers create, support and are a part of the 4-H community. Missouri 4-H volunteers who responded to a survey report they contribute on average 100 hours per year. Valuing their time at \$24.14/hour (Independent Sector, 2017), the contribution of the 54 Cedar County volunteers was worth more than \$130,356 in 2018. More importantly, these individuals serve as role models and mentors for youth, helping them transition to adulthood.
- More likely to contribute to their community (Lerner, 2009; Zaff et al, 2003).



RURAL YOUTH SAFETY WORKSHOP

Patrick Davis, Livestock Specialist

This program is a partnership with Community Safety Net, a national organization, who seeks donations from Cedar County businesses, organizations and citizens to provide educational materials to youth on rural safety. These programs were presented with the help of the Stockton High School and its agricultural students to educate 4th graders in the Stockton School system.



Number of Cedar County residents served

- 58 Youth
- 20 Volunteers

What did they learn?

- Youth volunteers were educated, then taught the youth on:
 - animal safety, personal protection equipment, pesticide safety, welding safety, water/dehydration/first aid and human safety, tractor safety, fire safety and ATV safety
- Youth received an education DVD and book that will educate them on other things related to safety

What action did they take?

- The kids took home a book, DVD, and knowledge gained and went through the information with their parents to improve understanding of rural safety

How does this make Cedar County and Missouri better?

Cedar County

- This developed relationships with local businesses and organizations to provide funding for books and DVDs for youth that were involved with the program
- Improved rural safety should lead to less rural activity injuries and less costs associated with those injuries.

Statewide

- As these people are safer with rural activities throughout the state there should be less rural injuries and cost associated with injuries

MISSOURI SHOW – ME QUALITY ASSURANCE

Patrick Davis, Livestock Specialist

Velynda Cameron, Youth Development Specialist

This program is designed to provide education regarding best management practices to youth and their parents so that their meat and milk producing livestock projects are raised in a way that they are successful and at slaughter will be safe for human consumption.

Number of Cedar County residents served

- 19 Youth

What did they learn?

- This program educates youth on proper care, and management of their youth livestock projects
- This education allows them to produce a healthy and safe meat or milk product for human consumption

What action did they take?

- Youth take a test that certifies them so that they are current in their 4-H livestock project
- Allows 4-H youth to exhibit their livestock at local, regional and state exhibitions

How does this work make Cedar County and Missouri better?

Cedar County

- Through education these youth are more likely to produce healthy animals and milk that when slaughtered and processed are safe for human consumption
- Increase perception that county youth livestock meat or milk products are high quality and safe for human consumption

Statewide

- This increases the perception that meat and milk from Missouri youth livestock projects are high quality and safe for human consumption





COOKING MATTERS FOR FAMILIES

Sarah Bridgewater, Nutrition and Health Education Specialist & County Engagement Specialist

Number of Cedar County residents served

One session was held in 2018 with 6 classes in the session. The classes were conducted in partnership with El Dorado Springs Parents as Teachers. There were seventeen participants from Cedar County who partook in the class.

What did they learn?

After attending a Cooking Matters six-week course, participants reported improved knowledge, skills, and understanding of maintaining a healthier dietary intake, using skills and recipes learned to improve their families diet, and using the skills and knowledge to shop healthier and reduce food costs.

What action did they take?

Families reported that they had prepared some of the recipes taught in class at home.

"Great to cook with new people!"

"It has helped me with having the kids more in the kitchen."

"Showed a variety of healthy options, enjoyed having recipes I wouldn't have tried on my own."

How does this work make Cedar County and Missouri better?

As part of the No Kid Hungry campaign to end childhood hunger in America, Share Our Strength's Cooking Matters teaches participants to shop smarter, use nutrition information to make healthier choices and cook delicious affordable meals. Preparing your own food had many advantages, not the least of which you choose your own ingredients which can make for a nutrient packed meal. When families learn cooking basics, it empowers them to contribute to their own health and well-being.





FAMILY NUTRITION EDUCATION PROGRAM

Janet Fox, Nutrition Program Associate

The Family Nutrition Program (FNP) brought \$9,449,699.00 federal funds to the state of Missouri. These funds were used to provide nutrition education to 838,295 Supplemental Nutrition Assistance Program recipients and eligible citizens of Missouri. There were 2,932,390 educational contacts. This year we had 2,242,249 indirect educational contacts. Indirect contacts are reached through newsletters, health fairs, food pantries and the Show Me Nutrition help line.

Participants in FNP become more aware of nutrition, make healthier meal and snack choices, eat breakfast more often, are more willing to try new foods, increase their physical activity and in general make healthier food choices. Those who practice healthy eating and activity behaviors are more likely to enjoy a high quality of life as an adult and into old age. A healthy labor force is critical to attracting and keeping jobs in Missouri. In addition, this important programming effort serves to reduce healthcare costs over the participant's lifetime, saving taxpayers money in reduced public healthcare benefits and insurance premiums.

In Cedar County, 834 Youth and 1,979 Adults contacts were made for a total of 2,813 contacts.

The following is a list of the locations where participants were served in Cedar County:

<u>Schools</u>	<u>Agencies</u>
El Dorado Springs Elementary	We Care Preschool DCC
El Dorado Springs Middle	Church of Christ Food Pantry
Stockton Elementary	Cedar County Public Library- El Dorado Springs
Stockton High School	Clarke Senior Center
Stockton Middle School	Stockton Little Tiger Preschool
	Stock Head Start (WCMCAA)
	Korth Senior Center
	SAMA Food Pantry
	Cedar County Health Department
	Cedar County Farmers Market – El Dorado Springs
	First Baptist Church

In addition to the numbers, Janet shared this success story demonstrating local impact:

In teaching the preschool students at the Stockton Little Tigers we read books, talked about the food groups and tasted foods that they may not have been familiar with. The one thing that sticks out as making an impact is how the students are not at all eager to try new foods. The day I served red pepper hummus and wheat crackers for them to taste was an example of this. They were making faces as to not being interested in tasting. I always ask them to at least try the food I bring in, they don't have to finish it, but just taste it. After tasting I tell them to give me a thumbs-up or thumbs-down. On this particular occasion, out of 40 preschool students, I only had 6 do a thumbs-down, with some even wanting more! I consider this a success! Teaching children to learn to try new things is important so they can increase their choices in nutrition.

In summary, it has been a successful year in Cedar County for FNP. We look forward in 2019 to more programming opportunities and continued progress in helping to improve the lives of Missouri families. We would like to wish you all the best in the New Year!

SOUTHWEST MISSOURI ALL BREEDS PERFORMANCE TESTED BULL SALE

Eldon Cole, Livestock Specialist

Andy McCorkill, Livestock Specialist

Patrick Davis, Livestock Specialist

Number of Cedar County residents served

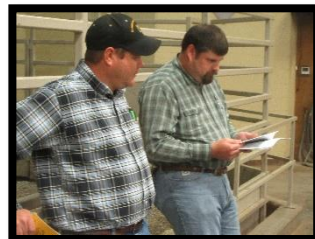
- 4 people

What did they learn?

- Utilization of EPD's in bull selection to improve genetic deficiencies in their cow herd

What action did they take?

- Two Cedar County producers sold 11 bulls
- Two Cedar County people were involved in purchasing bulls at the sales



How does this work make Cedar County and Missouri better?

Cedar County

- Cattle producers that attend can use the information when buying bulls and improving sire genetics
- Two Cedar County producers were able to sell 11 bulls
- Two cattle operations purchased bulls, which improves genetics of their operations resulting in improved profitability and a stronger economy

Statewide

- Missouri cattle producers make wiser genetic decisions in sire selection leading to improved calf crop and profitability
- Improved profitability leads to a stronger Missouri economy



BULL BREEDING SOUNDNESS EXAM CLINICS

Patrick Davis, Livestock Specialist

Clinics are done in conjunction with a veterinarian to educate cattle producers on bull physical and reproductive soundness.

Number of Cedar County residents served

- 8 people

What did they learn?

Participants were educated on the breeding soundness exam and received handouts that educated them on foot scoring, genetic testing, upcoming bull sales and replacement heifer sales.

What action did they take?

Cattle producers tested bulls and those found unacceptable were retested in a few weeks to determine reproductive soundness

How does this work make Cedar County and Missouri better?

Cedar County

- Knowledge of bull reproductive soundness improves operation profitability resulting in a stronger county economy

Statewide

- Stronger county economy results in a stronger state economy





*Patrick Davis,
Livestock Specialist*

WARM SEASON GRASS CATTLE GRAZING WORKSHOP

This workshop was designed to educate the public and provide hands on demonstration in regards to cattle grazing and pasture management.



*Pat Miller
Agronomy Specialist*

Number of Cedar County residents served

- 9 people

What did they learn?

- By evaluation, participants ranked knowledge gained after attending the class for the topics of grazing systems using warm season grazing, participants demonstrated knowledge gain.

What action did they take?

- Participants were asked by evaluation to rank knowledge before and after the presentation. Participant evaluations demonstrated a 20% increase in knowledge after the presentation. Here are examples of ways participants plan to implement their new knowledge:
 - Soil testing to determine how to obtain better grazing
 - Use grazing as a management tool on native warm season grass on public land

How does this work make Cedar County and Missouri better?

Cedar County

- Improved pasture management leads to more forage production, which leads to increased livestock carrying capacity
- Increasing livestock carrying capacity improves farming income, county income and strengthens county economy

Statewide

- Stronger county economy will improve state economy





MISSOURI MASTER GARDENER

Presented by Missouri Extension Specialists: Patrick Davis, Pat Miller, Robert Balek, Patrick Byers, William Halleran, Jill Scheidt, and Robert Schulties

“Helping others learn to grow” is the mission of the Missouri Master Gardeners. The Master Gardener program provides in depth horticultural training to individuals throughout Missouri who then volunteer their time applying what they have learned to help others in their communities to learn about gardening and environmental education

Number of Cedar County residents served

- 4 individuals, each completing 30 hours of instruction

What did they learn?

- Participants were taught plant physiology, identification of plants by leaf structure, botanical names for plants and tactics for improved soil composition, irrigation, vegetable and fruit gardening, turf grass management, as well as entomology

What action did they take?

- Participants indicated they plan to organize botanical field trips, work on amending the nutrient content in gardening soil, diagnose plant problems, diseases or insects, add fruit to their garden, utilize better tree pruning techniques and improve the food grown for consumption

How does this work make Cedar County and Missouri better?

- In promoting research based gardening and pesticide information, Master Gardeners help enrich the lives of their audiences while also encouraging more sustainable environmental practices
- With increased environmental awareness, communities are healthier and Missouri’s natural resources are protected for years to come



PRIVATE PESTICIDE APPLICATORS TRAINING

Pat Miller, Agronomy Specialist

People who buy restricted use pesticides and herbicides are required to be current in this training to purchase these chemicals.



Number of Cedar County residents served

- 26 people

What did they learn?

- The ability to safely apply pesticides according to label recommendations
- The knowledge to correctly calibrate spray equipment
- The ability to measure and spray the correct rate of pesticide
- The ability to compare active ingredients to save money.
- The knowledge on what qualifies as personal protective equipment according to chemical labels
- The knowledge on what adjuvants are and when to use them

What action did they take?

- Participants met the legal requirements to obtain or renew their private pesticide applicators license.
- This will enable them to purchase restricted use chemicals to control pests in their farming operation.
- They also obtained updated information on new pesticides and their use to control current and emerging pests.

How does this work make Cedar County and Missouri better?

Cedar County

- Proper county identification and usage of pesticides
- Decrease pests
- Protects environment
- Prevents resistance
- Minimizes pesticide use and cost

Statewide

- Proper county control prevents pest spread to other regions of the state
- Proper county usage helps protect statewide usage rights and environment

MISSOURI COMPLEX FENCE LAW WORKSHOP

Joe Koenen, Ag Business Specialist

Participants learned about the two different Missouri fence laws and what counties acknowledge which law.

They also learned:

- what each law requires the landowner to do fence-wise
- which portion of a boundary fence each landowner must maintain
- where they can find additional resources and assistance on the fence law in effect in their county



Number of Cedar County residents served

- 21 people

What did they learn?

Based on the evaluations these are the short term learning outcomes by the participants:

- 75% now know their rights and responsibilities under the law
- 96% understand there is more than 1 fence law in Missouri
- 75% know where to find additional information and resources {MU Ext}

What action did they take?

- We have had various interactions with the public asking questions and wanting more information on topics this workshop covered
- Based on evaluation results, participants said they would recommend this workshop to other people interested in this topic

How does this work make Cedar County and Missouri better?

- Knowing which fence law is in effect in your county and following that law helps lower conflicts between landowners. This in turn reduces litigation costs. Figuring an average of \$150 per hour for an attorney, this program can potentially save Missouri landowners \$47,250 in legal fees.
- This helps Missouri livestock producers to be more profitable due to lower fencing costs of their own in addition to less legal time and litigation fees.

MU EXTENSION -BUSINESS DEVELOPMENT PROGRAMS

Lisa Robinson, Director of Small Business and Technology Development

Missouri Southern State University



Missouri's small businesses are an increasingly diverse group that continue to boost state productivity. There are 507,712 small businesses in Missouri. This is the equivalent of 97.5 percent of all Missouri businesses. Missouri small businesses employ more than 47 percent of the private workforce. In assisting the owners and managers of these businesses, MU Extension contributes to a county's economic development through growth in jobs, sales, innovation, technology development and commercialization, and community growth.

In Cedar County during fiscal year 2018, MU Extension Business Development Program (BDP) served fifty-six people and their companies with business start-up and management counseling, training, and other assistance. This included a Quickb

BDP faculty and staff who contribute to these business successes have regional and statewide assignments. BDP serves all counties in the state.

The BDP Delivery Network includes Field Specialists headquartered at University of Missouri Extension centers; centers located on the University of Missouri campuses at Columbia, Kansas City, St. Louis and Rolla; and centers at most of the state universities across Missouri. The programs delivered through this network include:

- Missouri Small Business & Technology Development Centers
- Technology Development & Commercialization
- Economic Gardening
- International Trade Center
- Missouri Procurement Technical Assistance Centers
- Mid-America Trade Adjustment Assistance Center
- Environmental Assistance Center
- BDP Workforce Program

MU EXTENSION CONTINUING EDUCATION

UNIVERSITY OF MISSOURI (MU) CONFERENCE OFFICE

The MU Conference Office provides high-quality, professional, full-service meeting management for a variety of noncredit educational programs, such as conferences, workshops, seminars and symposia. Whether a meeting is hosted on campus, in out-state Missouri or anywhere in the world, the office's professional staff provides assistance to create the best learning environment for participants. In FY 2018, more than 20,000 Missourians registered to attend conferences, where university knowledge and research across disciplines was shared. Ten people from Cedar County utilized this service. <http://muconf.missouri.edu/>

FIRE AND RESCUE TRAINING INSTITUTE (MU FRTI)

MU Extension's Fire and Rescue Training Institute (MU FRTI) provides comprehensive continuing professional education and training to Missouri's fire service and emergency response personnel. The institute has a direct impact on the well-being and protection of Missouri's 29,000 firefighters and the 6 million citizens they serve. Courses prepare firefighters for medical emergencies, hazardous materials response and disaster preparedness and mitigation, as well as fires. In FY 2018, MU FRTI provided more than 11,000 hours of instruction to 13,494 fire and emergency responders. Thirteen individuals from Cedar County utilized this training. <https://www.muftri.org>

LAW ENFORCEMENT TRAINING INSTITUTE (LETI)

LETI brings certified, professional training to law enforcement officers and continuing professional education to other criminal justice and public safety professionals. For more than 60 years, the institute has been the state's leader in providing vital training and education services to Missouri's 17,000 in-service personnel and police recruits annually. Working with national, state and local agencies from 31 states, LETI also provides basic and advanced animal cruelty investigations training. LETI presents to civic organizations, churches and businesses throughout the state on a variety of topics, including personal safety and armed intruder response. <http://leti.missouri.edu>

MISSOURI TRAINING INSTITUTE

The Missouri Training Institute provides continuing education, custom-designed training programs and consulting services for business and industry, public and nonprofit organizations and educational institutions. Training programs include subjects such as human resource management, supervision, management, leadership, team building and other business-related topics. The institute's consulting services include curriculum design, human resources, strategic planning, board development and facilitating meetings and retreats. In FY 2018, 3,700 people enrolled in the institute's 180 programs. One individual from Cedar County utilized MTI. <http://mti.missouri.edu>

MU NURSING OUTREACH

Keeping Missouri nurses up to date with the knowledge and skills they need to provide effective care and fully participate in the state's health care efforts is a primary goal for Nursing Outreach. A full 92 percent of Nursing Outreach's Missouri participants reside outside the metropolitan St. Louis and Kansas City areas. Nursing Outreach brings high-quality, affordable continuing education programs to this audience using face-to-face, web-based and online delivery methods. In FY 2018, the program reached more than 4,300 health care professionals. Three individuals from Cedar County participated in this program. <http://nursingoutreach.missouri.edu/>

CENTER FOR CONTINUING MEDICAL EDUCATION AND PHYSICIAN LIFELONG LEARNING (CME/PLL)

CME/PLL serves MU Extension and the MU School of Medicine by educating physicians and other health care professionals and enhancing the standard of health care delivery statewide. Through health education, wellness promotion and health care quality performance initiatives, the program improves the health of Missourians. CME/PLL also facilitates and manages health care quality improvement projects for the University of Missouri Health Care system and the MU School of Medicine Springfield clinical campus. In FY 2018, CME/PLL offered 1,726 noncredit programs, courses and educational activities to more than 25,700 participants. <https://extension2.missouri.edu/programs/continuing-medical-education>

VETERINARY MEDICAL EXTENSION AND CONTINUING EDUCATION (VMECE)

Veterinary Medical Extension and Continuing Education (VMECE) focuses on issues that impact Missouri veterinarians and livestock owners, such as disease risks, rising input costs and increasing regulations. VMECE provides up-to-date information and consultation to better prepare them to address these challenges. VMECE also provides continuing education for veterinarians renewing their veterinary licenses. Team members also present information about production-related topics and animal disease at meetings across the state. <https://extension2.missouri.edu/programs/continuing-veterinary-education>

LABOR EDUCATION

The MU Extension Labor Education Program works with members and leaders of workplace-based organizations representing the economic interests of more than 20,000 working people in Missouri and surrounding states. Programs help them develop skills to contribute to their organizations, act effectively in the workplace, and be informed and active participants in their communities. <https://extension2.missouri.edu/programs/labor-education-program>

FY 2018 Summary: Continuing Education Noncredit Activities

Continuing education unit	Number of activities	Attendance total	Individual hours of instruction	Student FTE
Continuing Medical Education	1,726	25,731	2,332	216.0
Fire & Rescue Training Institute	643	13,494	11,500	580.0
Labor Education	1	1	0	0.0
Law Enforcement Training Institute	100	2,145	1,943	130.0
Missouri Training Institute (MTI)	180	3,768	806	63.0
MU Nursing Outreach	68	4,345	281	41.3
Osher Lifelong Learning Institute	124	2,976	878	70.3
Veterinary Med Ext & Continuing Education	1	4	4	0.1
MU Conference Office				
Agriculture, Food and Natural Resources	18	5,820		
Arts and Science	1	43		
Business	2	95		
Engineering	1	424		
Human Environmental Sciences	3	243		
Journalism	3	1,235		
MU Administration	5	2,065		
MU Extension	9	1,880		
Veterinary Medicine	1	84		
Conference Office Hosted	21	8,228		
Conference Office Totals	64	20,117	1,079	1,207.0
TOTALS	2,907	72,581	18,823	2,307.7

This table includes noncredit activities reported through MU continuing education units and does not include contacts by cooperative extension specialists.

Educational Contacts — FY 2018

Impact area	Direct contact total	Indirect contact total	Total contacts
Agriculture and Environment	33,450	102,895	136,345
Youth and Family (HES)	677,464	350,822	1,028,286
Business Development	29,210	206,632	235,842
Community Development	21,486	7,096	28,582
4-H	137,411	178,928	316,339
Conferences & Institutes (MTI)	141	157	298
TOTALS	899,162	846,530	1,745,692

Direct contacts refer to participants who engaged in programs, courses or activities individually or with a group. Indirect contacts include people reached at public events and through printed and online materials or content.

2018 CEDAR COUNTY FINANCIAL SUMMARY

University of Missouri provides salaries and benefits towards 2 professionals and 2 paraprofessional staff members headquartered in Cedar County. The University provides in-service training expenses, including travel and lodging for staff, postage for staff communications and matching funds for computer equipment costs and maintenance. The average cost state wide for these positions are (including benefits): Field Faculty (Specialists & CES, including training, travel and technology requirements) \$82,471; Youth & Nutrition Program Associate salary (benefit eligible) \$38,742; Youth & Nutrition Program Associate salary (non-benefit eligible) \$14,450.

Annual Financial Statement for Cedar County	
Beginning Balance (Appropriations)	\$17,978.37
Income:	
Appropriations	\$43,230.00
Interest	\$37.23
Mileage Refund	\$376.15
MU Health Insurance Subsidy	\$2946.00
Total	\$64,567.75
Expenses:	
Salary – Office Manager	\$25,895.99
Salary – Youth Program Associate (.25)	\$5,804.57
Clerical assistant (temporary)	\$164.80
Council paid benefits	\$8,695.04
Travel	\$1,987.40
Postage	\$95.76
Telephone	\$1,395.87
Advertising	\$81.46
Supplies/Services	\$970.60
Membership Fees	\$145.00
Furniture / Equipment	\$269.98
Total	\$45,506.47
Ending Balance (Appropriations)	\$19,061.28
Restricted Funds (Year-end account balances)	
MU Mailing Allotment	\$5,089.30
MU Health Insurance Subsidy	\$2,156.00
Education and Services	\$7391.92
Iron Skillet Award	\$150.00
Restricted Endowment	\$1,500.00
Grasslands Project	\$1,560.00
<u>Regional Beef Cattle Conference</u>	<u>\$3,738.49</u>
Total	\$21,585.71
Cedar County 4-H Council	
Total Assets	\$19,605.64
Cedar County 4-H Shotgunners Endowment Fund	\$68,966.46

2019 UM Systemwide Impact Data Sheets

Cedar County



UM System Footprint in the county in 2018



Fall county students

16 students

- 13 Undergraduates
- 3 Graduate and professional students
- 16 Full-time students
- 12 Pell grant recipients (aid year 2018)



County employees and retirees

4 people employed by UM

- 4 Campuses



County alumni

Selected school alumni

- 3 Medicine
- 9 Nursing
- 2 Dentistry
- 4 Pharmacy
- 5 Veterinary Medicine
- 29 Agriculture
- 10 Engineering
- 9 Law

Alumni teaching K-12

- 6 teachers
- 3% of all district teachers



County breakdown

MU

- 11 students
- 95 alumni
- 4 employees

UMKC

- 2 students
- 25 alumni
- 0 employees

Missouri S&T

- 3 students
- 10 alumni
- 0 employees

UMSL

- 0 students
- 3 alumni
- 0 employees



County properties and offices

MU Extension in: Cedar County



County population: 13,932



County services provided

Health care

- 72 patients seen at UM Health Care, with \$1,702 of uncompensated care
- 8 patients seen at UMKC School of Dentistry with a statewide average of \$53.20 per patient in uncompensated care
- University of Missouri Health Care's Missouri Telehealth Network provided services to 1 patient at 1 site

Extension

- 9,334 Total educational contacts from MU Extension to residents of district counties, including:
- 818 contacts related to productive farming, better gardening, and managing natural resources
- 8,460 contacts related to healthy eating and aging, strengthening families, personal finance, or youth development
- 56 contacts related to starting businesses, developing community leaders, or renewing the local economy

2019 UM Systemwide Impact Data Sheets

Cedar County



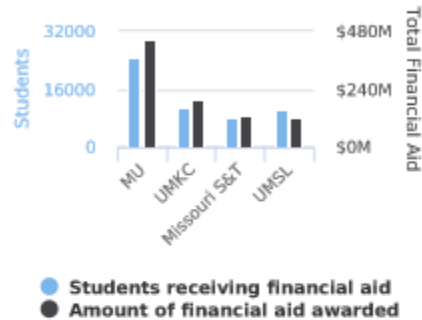
UM System Statewide Footprint

Economic and Community Development Highlights

- Business development specialists worked with small businesses and entrepreneurs statewide to create 11,559 jobs.
- For every dollar invested in University of Missouri Extension \$11 of public value is returned; generating \$945 million in direct and economic benefit to Missouri in 2016.
 - \$945 million
- Between FY2012 and FY2017, UM System brought Missouri more than \$11 billion in federal and private research funds, funded primarily from outside the state but spent within the state.
 - In 2018, the university was issued 39 patents and filed 78 patent applications.
- In 2018, the UM System construction projects resulted in a total investment in the state of \$122.7 million.
 - In FY 2018, Missouri Telehealth Network brought the expertise of University of Missouri Health Care physicians to underserved areas—2,164 patient consults in 43 counties.

Education Highlights

Financial Aid Awards



65% of the UM System's 84,168 Fiscal Year 2018 students received financial aid totaling \$898 million in Fiscal Year 2018

UM System's MOREnet (Missouri Research and Education Network) provides internet connectivity, access, support and training to 58 higher education institutions (275,000 students), 493 K-12 school districts (831,000 students) and 121 public libraries (serving nearly 3 million Missourians) in 2017

- UM System awarded 52.2% of Missouri's 33,373 bachelor's or higher degrees from four-year public institutions in 2017.
- In 2018, UM System's \$30.3 million in National Science Foundation (NSF) grants represented 92.5% of all NSF grants made to Missouri public universities.

Education and Training Provided

 72,581 police, fire fighters, and medical professionals attending continuing education	 Agriculture and natural resource programs served 136,345 farmers and related businesses	 316,339 youth and stakeholder educational contacts in 4-H clubs, schools, camps and other programs
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Supporting the University of Missouri is an investment in the future of Missouri.

The university advances Missouri citizens and communities through its mission of teaching, research, public service, and economic development across our four campuses and University of Missouri Extension.

Prepared in December 2018, based on the best available and most recent data. Data Sources include: Missouri Office of Administration • UM IR • Office of Social and Economic Data Analysis (OSEDA) • Center for Applied Research and Engagement Systems (CARES) • MU • UMKC • Missouri S&T • UMSL • UM System • UM Health Care • MU Extension • US Census Bureau • US Dept. of Health and Human Services • National Science Foundation

