

UNIVERSITY OF MISSOURI EXTENSION

Benton County

2018 ANNUAL REPORT

Table of contents

Who we are-----3

Dr. Stewart's Letter-----4

Program overviews

 Agriculture -----5-6

 Benton County 4-H-----7-9

 Nutrition-----10

 Human Environmental Sciences-----11

 MU Extension Continuing Education-----12-13

 Impact Pages-----14-15

 Family Financial Education, Master Gardeners, Master Naturalists and State Fair Farm Family-----16

Who we are

Benton County Extension Council

Rod Brethower, Chairman
 Arthur Keuper, Vice-Chairman
 Brent Beck, Secretary
 Rodney Meyer, Treasurer
 Stacey Addleman
 Brenda Arnett
 Ron Dent
 Dale Estes, Jr.
 Andrew Hovendick
 Rodney Johnson
 Jim Kramer
 Mark Nolte
 Larry Smith

2018 Benton County University of Missouri Extension Council operating budget

Income:	
Governmental Appropriations	\$23,000
Reserve Funds	833
Total Income:	<u>\$23,833</u>
Expenses:	
Personnel-Salaries	\$16,571
Payroll Expenses	1,291
Travel	2,647
Telephone – Local	741
Telephone – Tolls	256
Advertising	66
Supplies/Services	1,946
Insurance	250
Miscellaneous	65
Total Expenses:	<u>\$ 23,833</u>

Benton County faculty and staff

Gene Schmitz
 Livestock Specialist and County Program Director
 660-438-5012

Tammy Culpepper
 Nutrition Program Associate
 660-438-5012

Debbie Wilken
 Office Support
 660-438-5012

Mission
 Using science-based knowledge, University of Missouri Extension engages people to understand change, solve problems, and make informed decisions.

We would like to thank all of the volunteers, organizations, businesses, and local leaders for their continued support of MU Extension programming efforts in Benton County.

University of Missouri Extension provides equal opportunity to all participants in extension programs and activities, and for all employees and applicants for employment on the basis of their demonstrated ability and competence without discrimination on the basis of race, color, national origin, ancestry, religion, sex, sexual orientation, gender identity, gender expression, age, genetic information, disability, or protected veteran status.

Staff serving Benton County, (based in other counties)

Wayne Prewitt
 West Central Missouri Regional Director
 660-383-1633

Brent Carpenter
 Agriculture Business Specialist
 660-827-0591

Michelle Chapman
 FNEP West Central Region Project Director
 660-383-1633

Travis Harper
 Agronomy Specialist
 660-885-5556

Blake Gazaway
 4-H Youth Development Program Specialist
 660-827-0591

Melissa Cotton
 Nutrition and Health Education Specialist
 660-827-0591

Dedra R. Thomas
 Family Financial Education Specialist
 660-747-3193

Sarah M. Traub
 Human Development and Family Science Specialist
 660-882-5661

Michele M. Kroll
 Community Development Specialist
 573-346-2644

Kent Shannon
 Natural Resource Engineering Specialist
 573-445-9792

Benton County Commissioners

Michelle McLerran Kreisler
 Presiding Commissioner

Jim Hansen
 North Side County Commissioner

Dale Estes, Jr.
 South Side County Commissioner

State legislators

Sandy Crawford, Senator
Wanda Brown, Representative
Warren Love, Representative

About us

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 1623 Commercial Street
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 Warsaw MO 65355
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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

Ag Programming

Gene Schmitz, Livestock Specialist



The chart below lists individual contacts made via phone calls, office visits, farm visits or programs including SMQA, FAMACHA, and regional grazing schools. Contacts via e-mail were not recorded. These are listed by my assigned counties. Total counties and total contacts include contacts from producers located in counties not in my assigned six-county area.

Program Area	Benton	Cooper	Hickory	Pettis	Moniteau	Morgan	Total Counties	Total Contacts
Beef Production Systems	162	25	11	43	49	32	10	346
4-H SMQA		48		15	7	6	4	76
Pasture Based Dairy						3	1	3
Sheep and Goat - FAMACHA					1	9	11	31
Show-Me-Select	40		1		38	1	4	80
Forage Production and Management	90	27	18	12	21	24	24	507
Regional Grazing Schools	7		3	2	2	2	19	36
Home Horticulture	44						1	44
SWCD	77			25			2	102
Total	420	100	33	98	118	77		1,225

Additional contacts were made via pasture walks, drought meetings, winter feeding meetings, fescue renovation schools, vet update, bus tour, and the ReproGene meeting. Media efforts include news releases to all newspapers in Benton, Cooper, Hickory, Pettis, Moniteau and Morgan counties, radio spots on KAYQ in Warsaw and KSIS in Sedalia, BCE-TV in Warsaw, and articles in the Ag In Focus newsletter.

In response to drought conditions, late-summer drought management meetings were held in Cooper, Hickory, Moniteau, Morgan and Laclede counties. Cattle winter feeding meetings were held in the fall in my assigned counties and focused on alternative feeding strategies to help producers cope with limited hay supplies.

After receiving a FAA commercial license to fly small, unmanned aircraft (drones), effort was made to explore the use of drone technology to assist with forage management. Flight time was limited due to time constraints from other programming activities, but efforts will continue to explore ways to utilize this technology to enhance pasture and forage management and productivity. A sample picture from a grazing system taken in October 2018 is shown.



Brent Carpenter, Ag Business Specialist
 Travis Harper, Agronomy Specialist



Pesticide Applicator Training – 2 trainings were held in Benton County in 2018. 25 individuals received or renewed a license in 2018.

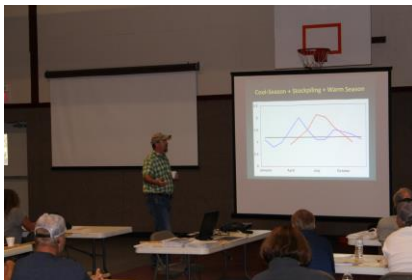
Stepping Stones Garden Club – Program was presented to the Stepping Stones Garden Club on soil fertility for growing flowers. 25 attendees.

Benton County Master Gardeners - Native Plants – A program was presented to the Benton County Master Gardener club on landscaping with native plants. 12 attendees.

Winter Feeding Workshops

Eating from the Garden – 2 “Insects in the Garden” presentations were given to Lincoln Elementary students. Approximately 120 attendees.

Benton County Grazing School



Travis Harper and Brent Carpenter discussing forage growth and production economics during the 2018 Benton County Grazing School. Twenty-two people participated in the 2-day school designed to teach management concepts for successfully implementing a managed grazing system. Managed grazing systems improve pasture productivity and livestock production and can enhance wildlife habitat. This creates positive environmental and economic benefits to livestock producers in Benton County.



Gene Schmitz shown collecting summer annual haylage samples for forage quality and nitrate analysis. The 2018 drought caused concern about forage nitrate concentrations, which can be deadly to livestock at high levels. By testing forages, producers know if nitrate levels are excessive and gain information about the nutrient content of their forages. Safe, cost-effective feeding programs based on specific forage analysis can then be developed for livestock at various stages of production. This reduces total feed cost for the cowherd and improves profit potential for beef cow-calf producers.

4-H and Youth Programming

Blake Gazaway, Youth
Development Specialist



4-H in Benton County 2018

A community of 57 youth building life skills, contributing to their community and
Becoming college and career ready.

Findings from a 2018 evaluation study reveals that Missouri 4-H:

Develops Leadership

- 81% of the Missouri 4-H'ers surveyed said they find it easy to speak up in a group.
- 89% reported feeling comfortable being a leader.
- 95% said 4-H is a place where they get to help make group decisions.
- 95% said 4-H is a place where you have a chance to be a leader.
- 97% said 4-H is a place where you learn about ways to help your community

Builds Initiative

- 92% of Missouri 4-H'ers surveyed said they are willing to try something they might get wrong.
- 93% said they keep trying until they reach their goals.
- 97% said they try to learn from their mistakes.
- 98% said they are willing to work hard on something difficult.
- 99% reported that they like to learn new things.

Builds Connections for a Bright Future

- 92% said they like to learn about people who are different from them, and get along.
- 93% said they think about others feelings before they say something.
- 93% say they think about how their choices affect others.
- 97% said they treat others the way they want to be treated.
- 98% said they show respect for others ideas.

4-H'ers are twice as likely to go to college compared to their non 4-H peers and they tend to pursue careers in STEM fields (Lerner & Lerner, 2011). In 2018 Missouri 4-H connected 4,818 young people to University of Missouri campuses. Being on campus is a predictor of youth going onto higher education (Dalton & St. John, 2016).

Youth who earn a bachelor's degree increase annual earnings by \$2 million over their lifetime (U.S. News and World Report, 2011). If 50% of the Benton County youth participating in 4-H events on a college campus receive a Bachelor's degree, 4-H would help young people acquire \$2 million more in lifetime earnings.

4-H also prepares youth for the work place. Youth must be prepared to live and work in a world we cannot completely envision – competing for jobs that do not yet exist, using technologies that have not yet been invented to solve problems that have yet to be identified. 4-H is the only youth development program with direct access to technological advances in agriculture, life sciences, engineering, learning technologies and

and social sciences from the university system. This brings relevant science content and hands-on learning that helps youth thrive (Arnold, Bourdeau, & Nott, 2013).

In Benton County, 37 were engaged in science related projects and experiences.

4-H clubs
4-H participants = 57*

Benton County 4-H clubs offer long-term educational experiences in which members learn life skills such as decision making, public speaking and working with others. Members learn by doing under the guidance of adult volunteers, who teach projects ranging from computers science and arts to animal science and healthy living. Clubs also involve youth in community service, camping and educational trips.

4-H SPIN and special-interest programs
4-H participants = 3*

Benton County 4-H SPIN and special-interest clubs and programs include community partnerships and events, day camps and other educational activities.

4-H school programs
4-H participants = 166*

Benton County 4-H school programs are educational experiences that supplement learning in the classroom. Teachers, 4-H volunteers or 4-H staff lead these activities. The most popular 4-H school program in Benton County is Embryology.

* Duplicates not removed.

4-H members are supported by 30 youth and adult volunteers
Time valued at \$72,420.00

Volunteers are the core of the 4-H Program. They help to create, support and deliver educational programs and experiences. Missouri 4-H volunteers report contributing on average 100 hours per year to the program. Valuing their time at \$24.14 per hour (Independent Sector, 2017), the contribution of Benton County 4-H volunteers was worth more than \$72,420.00 in 2018. More importantly, these individuals serve as role models and mentors for youth.

Embryology Program
Participants = 166

The 4-H embryology program is a popular classroom supplement designed to provide youth with a hands-on science learning experience by observing pre-incubated eggs hatch over the course of a few days under their care. During 2018, 166 students from 3 schools, preschools, daycares, and home schools participated in embryology resulting in 996 hours of learning. Students learn about where their food comes from while gaining knowledge of life cycles and embryo and reproductive development. By using experimental learning and hands on activities in the classroom, teachers are able to build classrooms geared towards developing student's

scientific and observational learning skills. Participants developed the social skills necessary to care for and nurture a living being by helping turn and care for the chicks both before and after they hatch alongside their teacher.

4-H science programming seeks to cultivate an appreciation of the sciences and life early on in Missouri youth. Aligned with state standards, embryology reaches hundreds of students yearly who are able to pass on their knowledge of nutrition and science to their parents thus encouraging a more educated community. A more educated and science literate populace in turn benefits the demands of today's technological and science driven economy.

References:

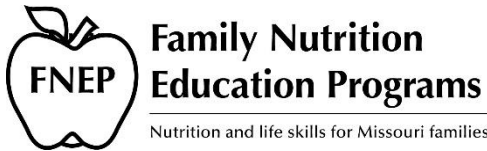
Arnold, M., Bourdeau, V., & Nott, B. (2013). Measuring science inquiry skills in youth development programs: The Science Process Skills Inventory, *Journal of Youth Development*, 8(1).

Dalton, R., & St. John, E. (2016). *College for every student: A practitioner's guide to building college and career readiness*. New York, NY: Routledge.

Independent Sector (2017). Independent sector releases new value of volunteer time of \$24.14 per hour. Retrieved from <http://independentsector.org/news-post/value-volunteer-time/>

Lerner, R.M., Lerner, J.V. (2011). The positive development of youth: Report of the findings from the first seven years of the *4-H Study of Positive Youth Development*. Retrieved from <http://www.4-h.org/about/youth-development-research/>

U.S. News and World Report (2011). How Higher Education Affects Lifetime Salary. Retrieved from <https://www.usnews.com/education/best-colleges/articles/2011/08/05/how-higher-education-affects-lifetime-salary>



Tammy Culpepper, Nutrition Program Assistant



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 735,541 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 Benton County, 2,138 Youth and 1,836 Adults contacts were made for a total of 3,974 contacts.

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

Schools

Agencies

Cole Camp Middle School	Newman’s Country Mart
Cole Camp Elementary	Warsaw Head Start
Lincoln Elementary	Benton County Food Pantry
North Elementary	First Baptist Church
Ruth Mercer Elementary	Children’s Palace
South Elementary	Benton County Food Stamp Office

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

Several months ago a client saw the Show Me Nutrition board “Drink to Your Health,” at the local food pantry. Just recently she was at the food pantry again on the same day that I was there and she wanted to share with me after reading that board she decided to look at how many calories was in the sweet tea that she drank every day. She said she is now drinking water instead except for one glass of tea a day and she has lost 11 pounds.



Connor and Tommy, Warsaw 4th grade students, are giving fresh produce to the school’s cafeteria staff for school lunches that the Warsaw 4th grade students grew in their garden. The 4th grade students’ garden produced green beans, purple peppers, banana peppers, zucchini, radishes, rainbow swiss chard, tomatoes, cherry tomatoes and roma tomatoes.

In summary, it has been a successful year in Benton County for FNP. We look forward in 2019 to more programming opportunities and continued progress in helping to improve the lives of Missouri families.

Human Environmental Sciences

Michelle Kroll, Community Development Specialist

Melissa Cotton, Nutrition and Health Education Specialist



Rural Economic Development (Michele Kroll)

Decision-making in community and regional development programs is multifaceted, involving spatial, economic, social, environmental and political considerations. New models of evidence-based planning provide a path forward by focusing attention on facts instead of opinion. Evidence-based planning is the process of basing decisions on objective information in order to achieve the best possible outcome(s). It involves integrating research with design experience, sector expertise and knowledge of the needs of the target population. The Data for Decision-Makers program is the 'evidence' part of evidence-based planning. An economic development county profile and analysis was developed and presented to Benton County commissioners and leaders with a focus on how to use the information in future economic development strategies. These profiles can be customized to address particular areas of interest like economic development, housing, workforce, infrastructure, entrepreneurship and other issues. The Building Local Prosperity program which helps communities utilize their unique assets to foster economic growth with a tailored strategic plan custom designed for communities is underway for 2019.

Stay Strong, Stay Healthy is Your Ticket to Better Health (Melissa Cotton)

Our bodies are made for activity, but modern conveniences allow us to be increasingly inactive. Physical inactivity can place our health at risk for many chronic diseases. The MU Extension Stay Strong, Stay Healthy program is an eight-week program built on simple, strength-building exercises that will improve balance, health, and state of mind. It is not difficult or complicated weight lifting and starts at a level that is right for you. No one is too inactive to participate. Building strength promotes quality of life and independence, especially for adults over 50. Instruction is provided by faculty of the University of Missouri Extension.

The benefits of strength training:

- ✓ Increases muscle strength
- ✓ Improves balance
- ✓ Enhances flexibility
- ✓ Strengthens bones
- ✓ Relieves arthritis
- ✓ Helps control weight
- ✓ Lifts depression
- ✓ Reduces stress
- ✓ Reduces risks for heart disease

These health benefits can prolong the need for long-term care, which costs on average \$51,000 per year in Missouri¹. The money saved benefits the community by keeping more discretionary income in circulation locally. It also keeps people actively, independently contributing to society longer. In 2018, 18 Benton County residents completed Stay Strong, Stay Healthy Level 1. 100% of participants reported they felt their overall health was better after completing the program. 86% reported they felt physically stronger. MU Extension partnered with the Boonslick Public Library in Warsaw to deliver this program.

MU Extension Continuing Education

Missouri University 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. <http://muconf.missouri.edu/>

Fire and Rescue Training Institute

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. <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. <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. <http://nursingoutreach.missouri.edu/>

Continuing Medical Education and Physician Lifelong Learning (CMD/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.

2019 UM Systemwide Impact Data Sheets

Benton County



University of Missouri System
COLUMBIA | KANSAS CITY | ROLLA | ST. LOUIS

UM System Footprint in the county in 2018



Fall county students

32 students

- 27 Undergraduates
- 5 Graduate and professional students
- 25 Full-time students
- 7 Part-time students
- 16 Pell grant recipients (aid year 2018)



County employees and retirees

12 people employed by UM

- 8 Campuses
- 3 UM Health Care
- 1 UM System

13 UM retirees and beneficiaries

UM salary and retirement income: \$541,066

UM state tax revenue: \$14,631

UM federal tax revenue: \$64,378



County alumni

Selected school alumni

- 4 Medicine
- 8 Nursing
- 2 Health Professions
- 5 Dentistry
- 11 Pharmacy
- 10 Veterinary Medicine
- 29 Agriculture
- 25 Engineering
- 9 Law

Alumni teaching K-12

- 13 teachers
- 7% of all district teachers



County breakdown

MU

- 20 students
- 182 alumni
- 8 employees

UMKC

- 7 students
- 55 alumni
- 0 employees

Missouri S&T

- 4 students
- 13 alumni
- 0 employees

UMSL

- 1 student
- 11 alumni
- 0 employees



Construction projects

- \$447,555 remitted to 1 county vendor, for 1 project



County properties and offices

MU Extension in: Benton County



County population: 18,825



County services provided

Health care

- 2,224 patients seen at UM Health Care, with \$517,574 of uncompensated care
- 42 patients seen at UMKC School of Dentistry with a statewide average of \$53.20 per patient in uncompensated care

Extension

- 13,767 Total educational contacts from MU Extension to residents of district counties, including:
 - 464 contacts related to productive farming, better gardening, and managing natural resources
 - 13,170 contacts related to healthy eating and aging, strengthening families, personal finance, or youth development
 - 133 contacts related to starting businesses, developing community leaders, or renewing the local economy

2019 UM Systemwide Impact Data Sheets

Benton County



University of Missouri System
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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.

- 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 and Training Provided



72,581 police, fire fighters, and medical professionals attending continuing education



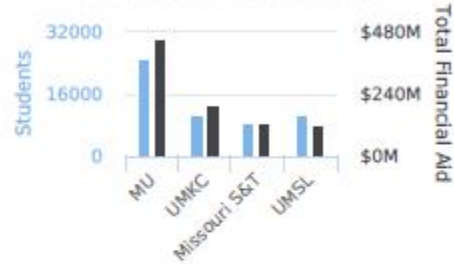
Agriculture and natural resource programs served 136,345 farmers and related businesses



316,339 youth and stakeholder educational contacts in 4-H clubs, schools, camps and other programs

Education Highlights

Financial Aid Awards



- Students receiving financial aid
- Amount of financial aid awarded

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.

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



Family Financial Education

Dedra Thomas, Family Financial Education Specialist



University of Missouri Extension’s Family Financial Education is the key to enhancing financial literacy. Programs focus on helping families master control of their financial resources, increase their skill in financial decision making, and expand their capacity to set and achieve financial goals. Educational information and programs are available on the following family financial education topics:

- Credit Repair/Management
- Debt Management
- Budgeting/Savings
- Banking Services
- Predatory Lending
- Healthcare Initiative
- Consumer Education/Buying Skills
- **Post-Retirement Planning**
- Identity Theft/Consumer Protection
- Decision Making Skills

What impact does this have on the county and Missouri?

When people have control over their finances, they make a positive economic contribution to society as a whole. A community that has individuals and families saving and investing their money, using credit wisely, and avoiding money traps, means that more people live a sustainable life and are able to build wealth on a more consistent basis.



The Missouri Master Naturalist program is a community-based natural resource education and volunteer service program for adults sponsored by MDC and the University of Missouri Extension. Its mission is to engage Missourians in the stewardship of our state’s natural resources through science-based education and volunteer community service. Missouri Master Naturalist volunteers support conservation efforts and natural resource education in their communities.

- Share your love of the outdoors
- Foster appreciation of the environment
- Restore the landscape’s natural beauty
- Help survey plants and animals
- Enhance your natural science knowledge

The Hi Lonesome Chapter is based in Cole Camp, Missouri. Members are primarily from Benton, Pettis, Hickory and Moniteau counties. Visit the <http://extension.missouri.edu/masternaturalist/colecamp/> website for more information on their activities.



“Helping others learn to grow” is the mission of the Missouri Master Gardeners. Members work tirelessly giving their own time to help beautify their communities and disseminate unbiased, research based gardening information to the general public.

Benton County State Farm Family



Dean and Lynn Schear and family of Ionia, Missouri were among the families honored during the 60th annual Missouri Farm Family Day, August 13, 2018 at the Missouri State Fair. The Schear family was selected as the Benton County Missouri Farm Family by University of Missouri Extension in Benton County and the local Farm Bureau.

Each year, the fair sets aside a day to recognize farm families from across the state that are active in their communities, involved in agriculture, and/or participate in local outreach and extension programs such as 4-H or FFA. The annual event is sponsored by five partner agencies: the Missouri Farm Bureau, the Missouri Department of Agriculture, the Missouri State Fair Commissioners, the MU College of Agriculture, Food and Natural Resources and the MU Extension and Engagement.