



UNIVERSITY OF MISSOURI EXTENSION

Randolph County

2021 ANNUAL REPORT





Office of Extension and Engagement

University of Missouri

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December 1, 2021

Dear county commissioners and friends of MU Extension and Engagement,

As we look forward to 2022, I want to take a moment to celebrate all that we have accomplished together this year. You, our closest partners, are key to improving Missourians' lives and opportunities.

You have been vital to the work that has already extended broadband access and workforce development strategies statewide. You have helped us connect with the right partners, working together toward meaningful outcomes that will help our communities thrive in our areas of greatest need around the economy, education and health.

During MU Extension and Engagement Week in October, we learned about some of the ways that MU's NextGen Precision Health Initiative will help Missouri improve statewide health care indicators from our current ranking of 38th in the nation to 25th.

COVID-19 has shown us that we must expand investment in our health care resources, knowledge and infrastructure. It has exposed the urgent need to make research and expertise available in communities and to empower individuals and providers to address every aspect of individuals' and communities' health needs — including the inequities of social determinants and their effects on people's health.

Our extension faculty is poised to help identify those needs and be the bridge to the health care providers and caregivers, the clinical trials and public health initiatives that can deliver improved healthcare access and outcomes in every county across our state.

I hope you see the impact of your hard work this past year throughout this county annual report. I thank you for your continuing support as we recommit ourselves to do what we do best: help communities thrive through civic engagement, community building and neighborliness. We look forward to continuing the programs, partnerships, and sharing of knowledge that foster kindness, caring, respect and deep connections in the year and decade to come.

Sincerely,

Marshall Stewart, EdD
Vice Chancellor, MU Extension and Engagement
Chief Engagement Officer, UM System

Who We Are

Faculty and Staff Serving Randolph County



2021 Council Members

Brandon Krapfl(Chair), Andrea McKeown(Vice Chair), Jenny Cummings(Secretary), Joe Kruse (Treasurer), John Tracy (Presiding Commissioner), Maria Moyer (elected), John Smith(Farm Bureau), Travis Mitchell (elected), Shirley Slusing (Master Gardeners), Rachel Grime (elected), Barb Riley/Kevin Brown (EXCEL), Sherry Stoner (FCE), Matt Douglas (City of Moberly), Linda Bondy (elected).

Our Extension Council:

The Randolph County Extension Council, comprised of elected and appointed citizens, is a full partner with Missouri's land-grant universities to deliver high-quality education and research-based information that helps people solve real-world problems and take advantage of opportunities. Our council consists of 8 elected positions and 6 appointed members. The appointed members are from the Randolph County Farm Bureau, Randolph County Commissioners, City of Moberly, EXCEL, Master Gardeners, FCE, and 4-H.

Council members;

- ◆ Work with Extension specialists to provide the county educational programs
- ◆ Manage finances of local Extension operations
- ◆ Provide personnel to carry out Extension activities
- ◆ Elect and organize the local Extension Council

The Randolph County Extension Council, backed with the educational resources of the University of Missouri, provides services, programs and classes on a wide range of topics from traditional agriculture and gardening to business development, child care and volunteer engagement, among others.

The Council also engages in many civic and community activities. The Randolph County Extension Council is always ready to improve our community and help the residents of our county.

We would like to thank everyone who has been supportive of MU Extension in 2021. We look forward to an exciting 2022!

Budget and more

Appropriations Budget

Income

County Appropriations	30,000
Total Income	30,000

Expenses

Salaries/Benefits	21,216.00
Travel	1,044.00
Telephone	480.00
Office Supplies/Service	2,500
Utilities	2,500
Insurance	650.00
Rent	8,400.00
Total Expenses	36,790

Return on Investment

University System	104,393
Donations	347.00
Program Revenue	11,870.00

Key outcomes and numbers

- ✓ 673.75 hours of volunteer service by Master Gardeners
- ✓ 701 participants reached through our Health and Nutrition Specialist
- ✓ 44 completed the Focus on Kids Parenting Class

MU Extension is a unique funding partnership.

Extension funding is a three-way partnership of federal, state and county government. Federal and state money, through the University of Missouri system, pay professional staff salaries, training costs, computers and communication equipment. County funds support the local office, secretarial and youth assistant salaries, staff mileage and council expenses.

The Randolph County Extension Council, faculty and staff would like to express our appreciation to the Randolph County Commissioners for their continued support of extension programs.



Local Support

Did you know you can donate directly to Randolph County Extension with a gift to be used immediately or as an endowment contribution for long term efforts. Monies put into the endowment are left forever to earn interest with the county office benefiting each year. You can also direct your donation to a specific program such as 4-H or Master Gardeners.



Educational Access & Excellence

Horticulture- Jennifer Schutter-Barnes, Specialist

Master Gardeners

In 2021, Randolph County Master Gardeners completed 673.75 hours of service and continuing education. Of this, 546 were service hours to their communities with a value of \$10,122.84 using the value of \$28.54 for 2021 per volunteer hour from the Independent Sector. Master Gardeners are required to complete 6 hours per year of continuing education, which totaled 127.75 hours for the Randolph County Master Gardeners. Master Gardeners were involved in many projects including creating and setting up a display table with gardening information at the Little Dixie Library each month; guest on the KWIX radio greenhouse show; providing online gardening advice on the “Ask a Master Gardener” facebook page; gardening consultations with Randolph county citizens; clean-up and maintenance in the railroad garden and clean-up and maintenance of flower beds at Rothwell Park in Moberly, and much more.



Drip Irrigation/Cut flower Tour

On August 4th, 53 people attended a drip irrigation and cut flower tour at Bloom Cut Flower Farm near Huntsville in Randolph County. They learned how to install a drip system and the advantages of using one to increase profits. They learned what flowers are best for cut flower production and how they are grown. Seven, Randolph county residents attended the tour.

Garden Talk Newsletter

Thirty-seven people from Randolph County receive a hard copy of the Garden Talk newsletter each month informing them of timely gardening tips and other important gardening information. The newsletter also includes upcoming horticulture programs and activities. Some residents receive it electronically.



Online/Zoom Horticulture Programming

Throughout the year, MU Extension offered many horticulture programs online or by Zoom that Randolph county residents participated in. Some of these included: Horticulture Town Halls, Growing the Missouri Lavender Industry; Garden Soils and Winterizing the Landscape; Master Gardener mini-conference, and many more.

Consultations:

Throughout the year, citizens of Randolph County receive information and advice on various gardening questions, to help them make more informed choices about their vegetable gardens, flower gardens, fruit trees, soils, lawns and landscapes.





Educational Access & Excellence

Agronomy Report-Druba Dhukal, Field Specialist in Agronomy

Private Pesticide Applicator Training

This training educates crop producers for safe handling and application of restricted use pesticides. Participants learned about pest identification, economic thresholds and injury levels, emergency planning procedure and the environmental ramification of improper pesticide application. This help to protect and enhance natural resources and water quality in Randolph County and the state of Missouri.



Weekly Plant Diagnostic Clinic in field at Clark

During crop growing season, on Friday mornings at the Clark Produce Auction, University of Missouri Extension agronomist Dhruba Dhakal sets up a table, plant posters and a MU Extension sign for a weekly plant diagnostic clinic in field.

Most of the producers from that area bring their plant tissue sample to the clinic when they come to auction, if they have any issues with their crops. From there I try to diagnose the issue at the clinic. Sometimes I have to take pictures and take plant tissue to the plant diagnostic lab, though.

When needed, I rely on help from MU Extension state and regional horticulturists to diagnose farmers' produce questions. For the most part, I try to have a turnaround time of no more than one week for a diagnosis and a list of solutions.

This program helped the local horticultural crop producers to diagnose crop issues on time and manage/control which helped to increase the crop productivity, improve product quality and increase the net farm income.

Monthly County News

Prepared Randolph County monthly news - highlighted the MU extension ag events. Also provided the research based scientific information on field and forage crop production.

Soil, Plant and Water Sample Test, On-site Farm Visit

Extension office receives soil, plant and water samples from local people and send to soil testing lab. Field specialist in agronomy receives the test report and provide recommendation and interpretation to the clients. Specialists also visit crop, pasture, fruit and vegetable production farms to identify or diagnose the issues and provide research-based management options to the client. Timely diagnosis of issues in the farm helps farmers to save their crops, increase farmer's knowledge and awareness to adopt good agricultural practices (GAP). This helps to increase net farm income by increasing crop productivity and reducing production cost. The increased local economy in Randolph County contributes to the better Missouri state's economy.

Radio Talks and Newsletter Articles

Prepared radio talks and sent to local radio station about extension ag programs and information related to field and forage crop production in Missouri. Also published few newsletter articles in local newspaper about extension ag programs and information related to field and forage crop production.



Educational Access & Excellence

Ag-Business, Jason Morris Specialist

Farm Tax Workshops

For the past few years, MU Extension has taught Farm Tax Workshops for farm businesses and families to include new legislation, tax changes, court cases, state tax issues and additional ag issues. The workshops are designed to convey information in a concise manner using information from the IRS and the Land Grant University Tax Education Foundation. The purpose of the classes is to get relevant and helpful information to farmers so they can make decisions and be better prepared to work with their professional tax preparer.

The workshops were a combination of in person classrooms and online classes, with a total of one hundred forty-seven participants.

Most participants completed an optional post survey. Eighty percent reported they understood they were responsible for records and documentation and not their tax preparer. Seventy-five percent said they had a better understanding of how to use tax tools in purchasing farm assets (Section 179, Bonus Depreciation). Ninety-two percent recognized end of year tax planning is important. Seventy-eight percent reported they know where to find Farmer's Tax Guides and where to find additional information.

Many participants planned to take some action before the end of the year. Some of the planned actions included: reviewing farm records (80%), meeting with tax preparer and communicate with family members (71%). Plans to communicate with family members about tax issues (62%) and fifty-six percent plan to review resources before purchasing begins in 2022.

Farm tax education workshops benefit individuals by increasing their understanding and knowledge, leading to more informed decisions and management of taxes. Better knowledge also leads to improved communications with their tax preparers and accountants. The result is researched and timely purchases of farm expenses, optimizing income tax scenarios and improved profitability over time. Money saved in income taxes stays local and is spent in local businesses up and down main street, making a more vibrant and sustainable rural economy.



Above:: Participants listen to Jason C. Morris interactively discuss farm lease termination at the Missouri Farm Lease program in Moberly. 6 people from Randolph County attended. The class continues to be popular to landowners and tenants alike.

Missouri's Farm Lease Class provides Landlords and Tenants Valuable Help

Questions related to farm leases are extremely common among Extension offices here in Missouri. Twenty-four (24) persons attended the 2 farm lease classes held in 2021 online or in-person. On-line and in-person education allows people to hear several speakers and ask questions either via zoom or in-person. Topics covered are current rents and trends, items to include in a lease, terminating a farm lease, crop and livestock share arrangements and recreational leases. Estimates have 40 to 50 percent of farm leases in Missouri are still oral and oral lease termination is complicated and somewhat unique to the state. Education can help end arguments and possible costly litigation. This program continues to draw participants and with the added online option is more accessible to anyone. Participants have included landlords from as far as Texas and Wyoming who own Missouri farmland.



Educational Access & Excellence

Ag-Business, Jason Morris Specialist

Extension Tax Schools

University of Missouri Extension ag economics department and ag business specialists worked together to coordinate one summer and two fall tax schools. One school was in person and two were online via Zoom. The schools were designed for those who prepare taxes including enrolled agents, tax preparers, CPAs, individuals and attorneys.

The training included updates on legislation, rulings and cases, individual taxpayer issues, agricultural and natural resources topics, IRS rules and regulations, business issues, retirement issues, real estate tax issues, payroll and tax credit issues, QBI deductions, trusts and estates, and ethics. The schools were approved for 8 and 16 hours of continuing education credit by the IRS, Missouri Bar and for CFP continuing education. Total continuing education hours reported to IRS for the schools was 2,584 hours.

The teaching teams included a CPA and former IRS employee, an IRS certified retired ag economics professor, an attorney, Missouri Department of Revenue and extension ag business specialists.

The trainings received positive evaluations and planning is underway to offer trainings in 2022. Local county residents benefit when local tax preparers have the opportunity to gain knowledge, which benefits their clients and communities. The tax schools are a program of the ag business and policy program of MU Extension, coordinated by Mary Sobba with help from a team of ag business specialists throughout the state.

The resources for the schools included the IRS, National Income Tax Workbook from the Land Grant University Tax Education Foundation, materials written by the instructors.

The 2021 school attendance totaled two hundred sixty people. The participants were from all over Missouri. 3 from Randolph

Missouri's Complicated Fence Law Continues to be a Hot, Disputed Topic

Missouri's Fence Law is very complex for several reasons. One, there are two laws in the state and people confuse which law is in their county. Second, landowners that purchase land do not get educated nor investigate the law so need to become aware when an issue or conflict arises. One hundred thirty (130) persons throughout the state attended in person or by zoom in 2021 on the law and how it impacts them as landowners. Additionally, more than 100 questions are received each year on fence and boundary issues throughout the state. Over 90% of attendees recommend this program to others every year. Several attendees learn where to find additional resources (MU Extension), what law is in place where their land is located and that there are 2 fence laws in Missouri depending on where the land is located. Several plan to meet with their neighbors to discuss this law within the next 12 months.

The programs impact is over \$83,000 in Missouri based on the current cost of legal fees at \$300 per hour.



Above:: A legal fence in the option law counties (above) is 4-barb wire or the equivalent with posts no farther than 12 feet apart. In general law counties, a legal fence is at least 1 wire 4 foot high with posts no farther than 12 feet apart. It must also maintain livestock so a 3 or 4 barbed or equivalent would be necessary.



Educational Access & Excellence

Ag-Business, Jason Morris Specialist

Agriculture Lenders' Seminars

Darla Campbell, Mary Sobba, Joe Koenen, Karisha Devlin, and Jason Morris

Eighty-two lenders and one producer from 23 Missouri counties and Illinois attended this year's seminars held in Mexico and Kirksville. Lenders learned about Crop and Livestock Outlook, Macroeconomics, Rental Rates & Land Values, MU Budgets, Input Costs, Earned Income Tax Credit, American Rescue Plan Act, Short-term Operating Plan, and MASBDA Programs. Lenders in attendance managed over 5121 loans totaling more than \$29,588,000 in farm loans.

By attending University of Missouri's Agricultural Lenders' seminars, lenders are able to help their clients make better decisions based on risk management tools, budgets, and other resources provided. This benefits their portfolio of producers and landowners by an increased understanding of enterprise budgets, market outlook, and other decision influencing factors affecting families' and businesses' financial health.

(Participants: Adair-5, Audrain-11, Boone-9, Callaway-9, Clark-3, Cole-4, Howard-2, Knox-4, Lewis-1, Linn-3, Macon-2, Marion-1, Monroe-7, Osage-5, Pike-2, Putnam-1, Ralls-2, Randolph-2, Saint Louis-1, Schuyler-1, Scotland-1, Shelby-5, Sullivan-1, and Illinois-1)



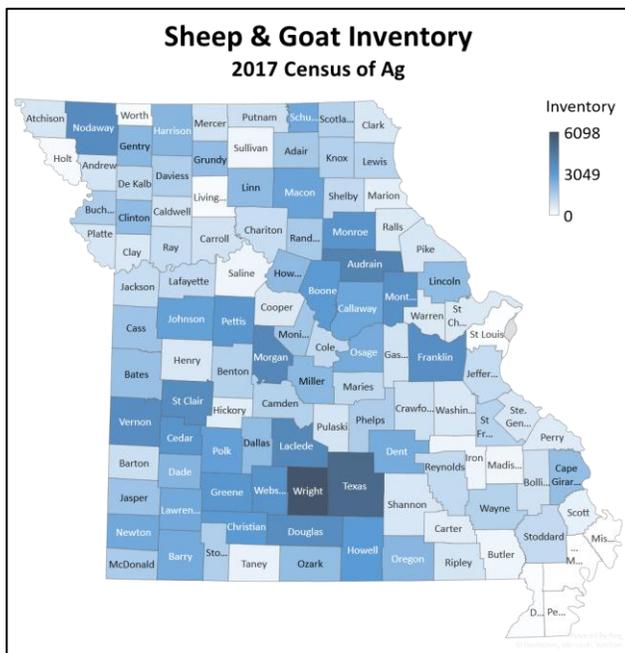


Educational Access & Excellence

AG-SBCD Online Programs

Sheep & Goat Production

Through a partnership between MU Extension and Lincoln Extension spring and fall sheep and goat production courses were held online in 2021 with 489 attendees from 60 counties including Randolph county. Attendees learned about a wide selection of topics that include: animal selection, financial implications of multiple births, nutrition and reproductive management, pasture management, record keeping and use during culling, and winter nutrition.



2021 Agriculture, Food & Forestry SBDC Center

In the summer of 2020, a joint partnership between MU Extension and the Small Business Development Centers (SBDC) created the Missouri SBDC for Agriculture, Food and Forestry. This partnership offers no-cost, one-on-one personalized assistance for business owners, entrepreneurs and farmers in Missouri. The center has a range of skills and specialties and serves all agricultural businesses with a particular focus on commercial horticulture, food and forestry, livestock and value-added meats.

Extension faculty who provide business counseling are located across the state to best serve the clients. They can assist with technical advice, financial management, business planning, business model pivots, value added propositions and many other services.

In 2021, 830 counseling sessions were held with 198 clients statewide, reaching 86 counties. These current or prospective business owners received one-on-one guidance and support as they pursued COVID-19 business relief or other financial applications, developed or updated their business plans, evaluated their property's agricultural potential, and made decisions to sustain, grow or transition their business.





Educational Access & Excellence

Livestock- Heather Conrow Specialist

SMQA:

I present the program with the assistance of the 4- Youth Specialist and YPA

Learning

Administering Injections

Reasons for using animal health products
Types of injections
Where to give injections
How to give intramuscular and subcutaneous injections

Antibiotics

Definition of antibiotics
Type of infections treated by antibiotics
How antibiotics work
Antibiotic resistance

Medication Label

Contents of a label
Two classes of drugs
Three ways to use a medication, right and wrong ways

Pillars Character

What the six pillars are and examples of each

Residue & Withdrawal Times

Reasons for using animal health products
Definition of withdrawal time
Who establishes withdrawal times
Definition of residue

Veterinary Client Patient Relationship (VCPR)

Definition of VCPR
Establishment of a VCPR

Show-Me-Quality Assurance (SMQA)

Definition of quality assurance
Why quality assurance is important
10 from Randolph County attended

Calving Clinic:

Participants learned strategies and tools needed to prepare for a successful calving season. Participants learned how to decide when intervention is necessary and differences between heifers and cows during parturition
Participants learned the different presentations of unborn calves and manipulation techniques to correct
Participants learned how to apply traction to assist in delivery
Participants learned techniques to care for the new born calf and post-partum mother
Participants learned the make-up of colostrum and its importance, as well as, the difference between colostrum replacers and colostrum supplements
Participants learned management techniques to prevent and treat calf scours

100 percent of respondents “agreed” or “strongly agreed” they learned something which would increase their calving success

100 percent of respondents would recommend this clinic to others

100 percent of respondents “agreed” or “strongly agreed” the hands-on portion was beneficial

The following is the percentage of participants who learned three or more informational tidbits for each topic:

- Possible presentations of calves: 90 percent
- Application of traction: 70 percent
- Care for newborn calves: 70 percent
- Tubing a calf: 70 percent

Hands-on opportunities included: pulling cadaver calves in various presentations from calving phantoms, chain placement, and how to tube a cadaver calf using an esophageal feeder.

8 from Randolph County attended



Health & Well-being

Jeremiah Terrell, Field Specialist in Human Development & Family Science

PROGRAM: BUILDING STRONG FAMILIES

The Building Strong Families: Challenges and Choices program helps families find their strengths, build on those strengths, and learn skills to create stronger families, improve relationships, and increase positive communication.

This program had 169 contacts in Randolph County and was done in partnership with Randolph County Caring Community Partnership.

Participants reported the following after attending I learned how to take more time with each individual child. I realized that each member of my family has a role and responsibility and bring value to the family. I learned about how to manage my stress level and how to have a family council. I will organize my bills, and I will spend more time with my family.

PROGRAM: FOCUS ON KIDS A 2.5 hour class, ordered by state statute, for all divorcing parents with kids still at home. The program reviews the five predictors of positive outcomes for children when their parents' divorce. Through class discussion and viewing video vignettes, parents are reminded of the importance of keeping their children out of the conflict.

This program had 46 contacts in Randolph County and was done in partnership with the Randolph County Circuit Court.

Participants learn that: Avoiding conflict in front of the child improves the child's outcomes. Open & frequent communication between parents must be maintained.

Children need to know both parents love them & will remain in their lives and that the divorce isn't the child's fault. Importance of listening to their children.



PROGRAM: TAKING CARE OF YOU Taking Care of You is a multi-session program offering practical strategies and experiences to help deal with the stress in life. Managing life's challenges in a healthy way allows you to take better care of yourself and your overall health.

Each week, different topics explored through small group discussion, self-reflection and activities. Activities of the program are aimed at increasing mindfulness, positive emotions, optimism, resiliency to stress, coping skills, and self care of one's mind, body and spirit. A rigorous program evaluation showed decreased stress levels and improved lifestyle behaviors.

As a result of the program, participants: Cultivate positive emotions and resiliency to stress Discover opportunities in life's challenges Develop improved responses to stress in terms of their thoughts, emotions and behaviors Take better care of one's health — body, mind and spirit

This program had 32 contacts in Randolph County and was done in partnership with Primrose Hill Adult & Teen Challenge.

247

Total of Human Development Program Contacts.



Health & Well-being



Nutrition and Health, Candace Rodman Specialist

Stay Strong, Stay Healthy- participants increase their ability to complete activities of daily living, physical activity, and improve strength, balance and flexibility, resulting in reduced risk for falls, better overall health and greater independence. These health benefits decrease the likelihood of a participant losing independence and entering a care facility, which costs on average \$58,000 per year in Missouri. The money saved benefits a community by keeping more discretionary income in circulation locally. It also keeps people actively, independently contributing to society and their communities longer. **This year, 7 participants participated in 16 classes.**



Walk With Ease is an evidence-based program that has been proven to help people with arthritis or other related conditions reduce pain, increase balance, strength and walking pace, and improve overall health. It was taught twice this year in Randolph County. Participants met 3 times a week for 6 weeks to work on increasing their physical activity levels in a safe healthy way.

Stay Strong, Stay Healthy



The **100 Miles 100 Days** program was a tri-county success by enabling participants to take control of their own health at their own pace. The only goal was to be active enough to equal 100 miles in the 100 days of summer. The research done on this program was recognized at the state University of Missouri Extension and Engagement conference and included over 500 participants through Randolph, Macon and Linn counties.

Pressure Canner Gauge testing

Food preservation is still a thriving practice. However, to be done safely, we recommend pressure canner gauges be tested annually for accuracy. Anyone can come by the office to have a gauge tested, but I

always spend summers testing gauges at the Amish/Clark Produce Auction.

This year I tested 26 gauges for the community.

701

Participants in Nutrition and Health Programming



Health & Well-being



Nutrition and Health, Candace Rodman Specialist

Strength in Numbers- this program is a group-based initiative that empowers existing community groups to make healthy changes in their lives through goal setting and accountability. We offered this program virtually this year to the entire Northeast region and had **18 groups/organizations register to participate.**



Cooking Matters- in this cooking class, participants learned to shop smarter, use nutrition information to make healthier choices, cook delicious, affordable meals, and safe food handling practices. Encouraging these healthy behaviors helps reduce health care costs by helping prevent chronic health conditions throughout a person's life span, as well as reducing food waste and cost for a family or individual's budget.

Special Interest club (SPIN)- I partnered with the 4-H specialist to offer a Health and Futures SPIN club for youth in Randolph County. We taught the importance of your health through mental health activities, fitness, and learning about healthy eating. **21 youth participants**



Winter Wellness Challenge- This self-led program focuses on mental, nutritional, and physical health for adults and youth. Starting in 2021 and ending in 2022. **Current registration is 136**



Health & Well-being



Policy, Systems and Environmental Work

Policy, Systems, and Environmental work is key for a community to change the health and wellbeing of residents on a more sustainable level. Changes made at local, state, or national levels make the most difference in our lives. Candace works closely with the Building Communities for Better Health coalition to create access for all levels of ability, income, education, age and more.



The Caroline Cart is a shopping cart designed to help parents and caregivers shop with older children and adults with special needs, without having to maneuver a wheelchair and a grocery cart through the store at the same time.



BCBH offered help with policy changes to make organizations around Moberly tobacco free.

The Wellness Walk was designed to encourage activity with wellness prompts around a 3 mile area of Moberly.



The Extension council received 2 mini grants to supply water fountains for Parks and Recreation to increase access to water and encourage activity around our parks.



Health & Well-being

Family Nutrition Education Programs (FNEP) Jolene Rodgers and Sarah Geist

SNAP-Ed Public Value Statement 2021

The Supplemental Nutrition Assistance Program Education (SNAP-Education or SNAP-Ed) brought \$9,646,109 in federal funds to Missouri. The funds support engagement with 485,010 Supplemental Nutrition Assistance Program (SNAP) recipients and eligible citizens of Missouri. There were 321,372 direct educational contacts. This year we had 1,383,799 indirect educational contacts through newsletters, health fairs, food pantries, and the Show Me Nutrition helpline.

1,171 direct and indirect contacts were made in Randolph County.

Participants in SNAP-Ed learn the importance of making healthier meals and snack choices, eating breakfast more often, are more willing to try new foods, increase their physical activity, and make healthier food choices. Those who practice healthy eating and are physically active are more likely to contribute to a healthy labor force and enjoy a high quality of life throughout the lifespan.

This vital programming effort also reduces healthcare costs over the participant’s lifetime, saving taxpayer money in reduced public healthcare benefits and insurance premiums.

Schools	Agencies
Moberly Middle School	
Westran Elementary	



In addition to the numbers, Nutrition Program Associate, Jolene Rodgers shared these success stories demonstrating local impact:

In addition to the numbers, Nutrition Program Associate, Jolene Rodgers shared these success stories demonstrating local impact:

Middle school students have a good understanding of healthy eating but, sometimes they need a quick reminder! During a recent lesson, one of the students asked why there is not any “good” foods on MyPlate. It was a great opportunity for me to go over MyPlate and the “sometimes foods” we can incorporate into our diet. I am happy to say that I really didn’t have to say much as the other students told him. That is what I call positive peer pressure. It’s awesome when the students I teach are listening and share what they have learned. That made this nutrition educator happy!

I had the students at Moberly Middle School use one of our educational tools during our recent lessons. The MyPlate Wheels tell the students how much of each of the 5 food groups they should be eating. These numbers are depending on the amount of activity they do daily and their age. I asked them how many thought they were eating enough or if they were eating too much and I was shocked when most students told me they don’t eat vegetables at all, most didn’t even eat French fries! We made a deal that over the summer they were to eat at least one vegetable a day and to my surprise, I had a few of the students the following week tell me that they were eating their veggies and that they weren’t too bad. One student told me his parents were even trying to eat more veggies!



Health & Well-being

Family Nutrition Education Programs (FNEP) Jolene Rodgers and Sarah Geist



In addition to the numbers, Nutrition Program Associate, Sarah Geist shared these success stories demonstrating local impact:

Students at Westran Elementary Summer School in Randolph County learned simple recipes they could take home to make their own healthy snacks. One group of kids made deviled eggs and one girl was so excited that they tasted just like her mother's deviled eggs. She exclaimed, "I always thought she had a secret recipe but now I know what it is!" She was excited to take her new recipe home and prepare it for her family. Another student with Down's Syndrome is known for being selective in food choices, struggling with textures of some foods. However, in the Kids in the Kitchen program he found multiple recipes of varying textures that he enjoyed making and tasting as well! His group leader, who the student does not usually communicate with, was ecstatic that he very enthusiastically communicated his satisfaction with the healthy snack to her and showed her a great big thumbs up!

Eating from the Garden participants in Randolph and Monroe counties enjoyed learning the importance of nutrition in keeping the plants as well as themselves growing up to be healthy and strong. Groups enjoyed hands on learning and participating in fun physical activities, as they tended to their growing gardens each week. Youth were excited to harvest, wash, and taste the beautiful radishes they'd grown together at their library.



Randolph County



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

UM System Footprint in the county in 2021



FY21 county students

155 students

- 131 Undergraduates
- 24 Graduate and professional students
- 120 Full-time students
- 35 Part-time students
- 43 Pell grant recipients (aid year 2021)



County employees and retirees

340 people employed by UM

- 102 Campuses
- 231 MU Health Care
- 7 UM System

110 UM retirees and beneficiaries
 UM salary and retirement income: \$15.4 million
 UM state tax revenue: \$503,731
 UM federal tax revenue: \$2.3 million



County alumni

Selected school alumni

- 4 Medicine
- 53 Nursing
- 42 Health Professions
- 10 Dentistry
- 7 Pharmacy
- 9 Veterinary Medicine
- 95 Agriculture
- 58 Engineering
- 22 Law

Alumni teaching K-12

- 78 teachers
- 24.1% of all district teachers
- 3 principals and administrators
- 16.7% of all district principals and administrators



County breakdown

MU

- 133 students
- 698 alumni
- 101 employees

UMKC

- 11 students
- 39 alumni
- 0 employees

Missouri S&T

- 9 students
- 25 alumni
- 0 employees

UMSL

- 2 students
- 16 alumni
- 1 employee



County properties and offices

MU Extension in: Randolph County



County population: 24,878



County services provided

Health care (FY21)

- 7,789 in-state patients seen at MU Health Care, with \$4.2 million of uncompensated care
- 1 in-state patient seen at UMSL Center for Eye Care with a statewide average of \$74.29 per patient in uncompensated care
- 4 in-state patients seen at UMKC School of Dentistry with a statewide average of \$66.18 per patient in uncompensated care
- MU Health Care's Missouri Telehealth Network recorded 2,451 visits to patients having a ZIP code associated with the county

Extension (2020)

- 2,734 Total educational contacts from MU Extension to residents of the county, including:
- 25 contacts related to productive farming, better gardening, and managing natural resources
- 2,683 contacts related to healthy eating and aging, strengthening families, personal finance, or youth development
- 26 contacts related to starting businesses, developing community leaders, or renewing the local economy

Randolph County



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

UM System Statewide Footprint

Economic and Community Development Highlights

- In 2019, Business Development Specialists worked with small businesses and entrepreneurs statewide to create or retain 54,494 jobs.



For every dollar invested from 2015 to 2017, the MU Extension Business Development Program has returned \$120 in economic impact for its clients by increasing sales more than \$1.19 billion. For a total impact of \$2.7 billion, the program has generated more than 29,000 jobs and attracted nearly \$347 million in capital investments and \$1.17 billion in government contracts.

- Between FY15 and FY20, UM System brought Missouri more than \$1.27 billion in federal and private research funds, funded primarily from outside the state but spent within the state.



In FY21, UM System was issued 30 patents and filed 60 new U.S. patent applications.

- In FY21, the UM System awarded 722 design and construction project contracts throughout Missouri, for a total investment of \$132.0 million in the state.



In FY21, MU Health Care's Missouri Telehealth Network Show-Me ECHO Program participated in 24,400 hours of case-based discussions with 3,017 community providers located in underserved areas in the City of St. Louis and 111 of the 114 Missouri counties.

Education and Training Provided



50,604 police, fire fighters, and medical professionals attending continuing education (2020)



Agriculture and natural resource programs served 147,623 farmers and related businesses (2020)



295,444 youth and stakeholder educational contacts in 4-H clubs, schools, camps and other programs (2020)

Education Highlights

FY21 Financial Aid Awards

In FY21, 71.1% of the UM System's 78,208 students received financial aid totaling \$923 million



UM System's MOREnet (Missouri Research and Education Network) provides internet connectivity, access, support and training to 57 higher education institutions (250,187 students), 491 K-12 school districts (850,000 students) and 136 public libraries (serving nearly 3 million Missourians) in 2020.

- UM System awarded 50.4% of the 30,932 Bachelor's or higher degrees awarded by Missouri four-year public institutions in 2020-21.
- UM System awarded 39.2% of the 1,897 research doctorates and 26.4% of the 3,606 professional doctorates awarded by Missouri public and not-for-profit private institutions in 2020-21.
- In 2021, UM System's \$22.5 million in National Science Foundation (NSF) grants represented 84.1% of all NSF grants made to Missouri public colleges and 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 2021, 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 (OSED) • 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

