



UNIVERSITY OF MISSOURI EXTENSION

Monroe County

2024 Annual Report

Monroe County Extension Office
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Paris, MO 65275
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**SERVE
MISSOURI.**

**DELIVER
MIZZOU.**



Extension
University of Missouri

an equal opportunity/ADA institution

Who we are

Faculty and staff



Council Chairman, Shelby DeOrnellis at 4-H Camp

Kathy Hasekamp

Office Admin and Youth Program Associate

Amanda Lehenbauer

Nutrition Program Associate

Mike Krauch

Northeast Regional Director

Jim Meyer

Extension Engagement Specialist

Jennifer Eldridge

Community Health Specialist

Carrie Elsen

Nutrition and Health Specialist

Justin Keay

Horticulture Specialist

Daniel Mallory

Livestock Specialist

Mary Sobba

Ag Business Field Specialist

Deann Turner

Nutrition Program Manager

Nick Wesslak

Agronomy Specialist

Council members

Shelby DeOrnellis, Chairman

Bill Coleman, Vice Chairman

Tracy Huffman, Secretary

Margaret Wilkerson, Treasurer

Kim Mitchell, Council Member

Wendy Beard, Council Member

Shirley Ensor, Council Member

Ethan McNeill, Council Member

Bob Mitchell, Council Member

Marilyn O'Bannon, Commission
Representative



County executives

Curt Wheeler, Presiding Commissioner

Marilyn O'Bannon, Western District
Commissioner

Mike Whelan, Eastern District Commissioner

Beth Whelan, County Clerk

Budget and more

Appropriations budget

Income

County Appropriations	44,000
Total Income	44,000

Expenses

Personnel Salaries	\$36,700
Travel	\$2,365
Postage & Advertising	\$350
Telephone	\$180
Rent/Lease	\$4,800
Supplies & Misc	\$2,650
Utilities	\$2,400
Insurance	\$800
Printer	\$1,000
Total	\$51,245

(-\$7,245)



Monroe County partners



Monroe County Service Co.



Consolidated Electric Cooperative

Mexico, Missouri



Complete Family Medicine

A service of Hannibal Regional



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



Local Support

Did you know you can donate directly to *Monroe 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.

UM System County Impacts

2025 UM Systemwide Impact Data Sheets

Monroe County



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

UM System Footprint in the county in 2024



FY24 county students

48 students

- 40 Undergraduates
- 8 Graduate and professional students
- 42 Full-time students
- 6 Part-time students
- 14 Pell grant recipients (aid year 2024)



County employees and retirees

54 people employed by UM

- 15 Campuses
- 39 MU Health Care (includes additional employees gained via the recent integration of Capital Region Medical Center)

26 UM retirees and beneficiaries

UM salary and retirement income: \$3.6 million

UM state tax revenue: \$112,292

UM federal tax revenue: \$519,730



County alumni

Selected school alumni

- 1 Medicine
- 12 Nursing
- 27 Health Professions
- 2 Dentistry
- 1 Pharmacy
- 2 Veterinary Medicine
- 135 Agriculture
- 28 Engineering
- 7 Law

Alumni teaching K-12

- 27 teachers
- 17.8% of all district teachers



County breakdown

MU

- 40 students
- 327 alumni
- 15 employees

UMKC

- 6 students
- 9 alumni
- 0 employees

Missouri S&T

- 2 students
- 16 alumni
- 0 employees

UMSL

- 0 students
- 13 alumni
- 0 employees



County properties and offices

MU Extension in: Monroe County



County population: 8,672



County services provided

Health care (FY24)

- 2,115 in-state patients seen at MU Health Care, with \$1.2 million of uncompensated care
- 2 in-state patients seen at UMKC School of Dentistry with a statewide average of \$52.57 per patient in uncompensated care
- MU Health Care's Missouri Telehealth Network recorded 2,838 visits to 1,745 patients having ZIP codes associated with the county

Extension (2023)

- 3,522 Total educational contacts from MU Extension to residents of the county, including:
- 73 contacts related to productive farming, better gardening, and managing natural resources
- 3,364 contacts related to healthy eating and aging, strengthening families, personal finance, or youth development

UM System County Impacts

Monroe County



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

UM System Statewide Footprint

Economic and Community Development Highlights

- In FY23, Business Development Specialists worked with small businesses and entrepreneurs statewide to create or retain 98,527 jobs.

\$3.1
billion

For every dollar invested from 2019 to 2021, the MU Extension Business Development Program has returned \$133 in economic impact for its clients by increasing sales more than \$1.6 billion. For a total impact of \$3.1 billion, the program has generated more than 37,000 jobs and attracted nearly \$451 million in capital investments and \$1.5 billion in government contracts.

- Between FY18 and FY23, UM System brought Missouri more than \$1.58 billion in federal and private research funds, funded primarily from outside the state, but spent within the state.



In FY24, UM System was issued 29 patents and filed 69 new U.S. patent applications.

- In FY24, the UM System awarded 707 design and construction project contracts throughout Missouri, for a total investment of \$287.3 million in the state.



In FY24, to improve access to medical and health related services, MU Health Care's Missouri Telehealth Network's Show-Me ECHO program provided 16,687 hrs of case-based instruction to 3,113 learners located in 105 of 114 Missouri counties and the city of St. Louis.

Education and Training Provided



40,542 police, fire fighters, and medical professionals attending continuing education (2023)



Agriculture and natural resource programs served 369,077 farmers and related businesses (2023)

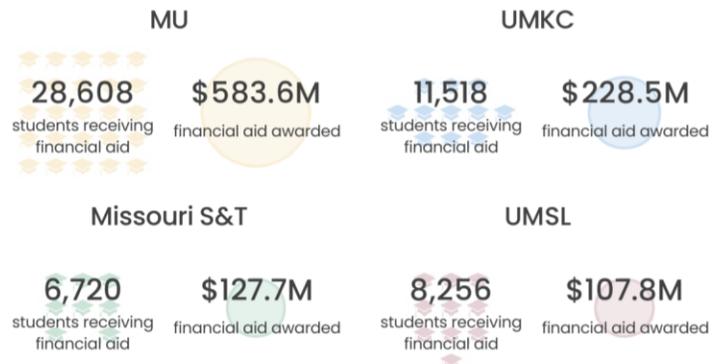


210,577 youth and stakeholder educational contacts in 4-H clubs, schools, camps and other programs (2023)

Education Highlights

FY24 Financial Aid Awards

In FY24, 69.7% of the UM System's 79,014 students received financial aid totaling \$1.048 billion



UM System's MOREnet (Missouri Research and Education Network) provides internet connectivity, access, support and training to 58 higher education institutions (230,000 students), 484 K-12 school districts (830,000 students) and 134 public libraries (serving nearly 3 million Missourians) in 2023.

- UM System awarded 50.5% of the 31,689 Bachelor's or higher degrees awarded by Missouri four-year public institutions in 2023-24.
- UM System awarded 35.0% of the 1,776 research doctorates and 26.8% of the 3,796 professional doctorates awarded by Missouri public and not-for-profit private institutions in 2023-24.
- In FY24, UM System's \$30.7 million in National Science Foundation (NSF) grants represented 96.9% of all NSF grants made to Missouri public colleges and universities.
- In 2024, over 12,400 Missourians accessed mobroadband.org, part of the UM System Broadband Initiative which helped the statewide build-out of high-speed internet infrastructure.

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 2024, based on the best available and most recent data. Data Sources include: Missouri Office of Administration • UM IR • MU Institute for Public Policy • 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



Grand Challenges

Missouri Grand Challenges: Local Solutions



MONROE COUNTY

Knowing Missouri's Needs

MU Extension asked Missourians to share the greatest challenges they and their communities face.

We heard that feedback and made big changes in the way we work with council and local partners to improve lives. Locally, a network of county engagement and subject matter specialists now share MU's knowledge, research and engagement, targeting programs, information and assistance in:

- agriculture and environment
- youth and family
- business and community
- health and safety

For each grand challenge, MU Extension and Engagement targets a specific gain by 2023:



Economic opportunity

Increase MU Extension and Engagement's economic impact to the State of Missouri from \$1 billion to \$1.5 billion overall, and from \$88 billion to \$100 billion in agriculture, the top economic sector



Educational access and excellence

Increase participation in postsecondary education from 66% to 70%



Health and well-being

Improve Missouri's health ranking from 40th to 35th in the nation

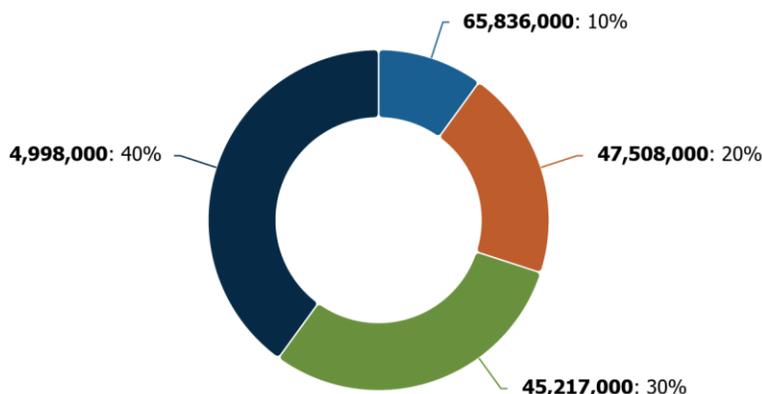
Knowing Local Challenges



CHALLENGE 1: Economic Opportunity: *Agricultural Economics*

Leading Agricultural Products

Total Rank (Sales): \$10



Data Source: US Department of Agriculture, National Agricultural Statistics Service, [Census of Agriculture](#). 2022.

Net Farm Income

Net farm income (total sales, government payments, and other farm-related income minus total farm expenses) reflects the strength of the local agricultural community and can be an important measure for lenders and policy makers. The report area had a combined net farm income of \$62,465,000 in 2017, an average of \$73,836 per farm. This compares favorably to the statewide average farm income of \$56,606.

Report Area	Total Farms	Average Farm Income
Monroe	846	\$73,836
Missouri	87,887	\$56,606

Data Source: US Department of Agriculture, National Agricultural Statistics Service, [Census of Agriculture](#). 2022.

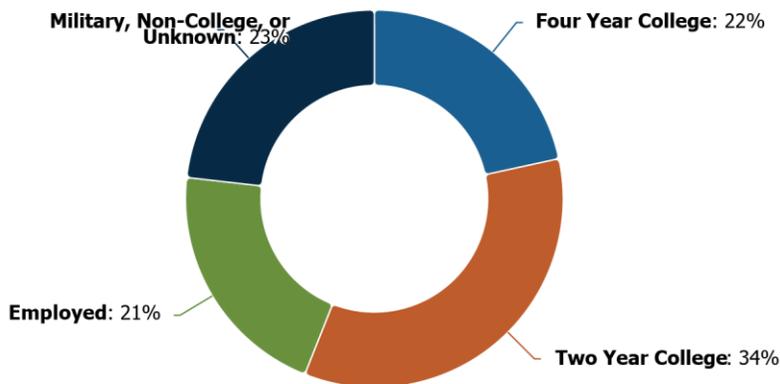
Grand Challenges



CHALLENGE 2: Educational Access and Excellence: *College and Career Readiness*

Post High School Report

The 12-month post-graduation activity of recent high school graduates can inform communities about postsecondary education, career readiness, and characteristics of the future workforce. In 2022, of 125 graduates surveyed in the report area, 27 went to a four-year college, 43 to a two-year college, 26 directly entered the job market. The remaining 29 are reported as in the military, not in college, or unknown.



Data Source: [Missouri Department of Elementary & Secondary Education](#). 2022.



CHALLENGE 3: Healthy Futures: *Healthy Aging*

Fall Injuries

Falls are the leading cause of injury-related fatality and hospitalization among older adults in the United States. Between 2013 and 2015, adults over age 65 in the report area had 255 hospital or emergency room admissions for fall and jump-related injuries. The rate of these injuries was 4,064 per 100,000 population, which is lower than the state rate of 5,396. Falls hospitalizations have improved since the 2001-03 time period when the rate was 5,903.

Rate per 100,000, 2019-2021



Data Source: US Department of Health & Human Services, [Missouri Department of Health & Senior Services](#). 2019-2021.

Primary Care Providers

Older adults make up a historically large percentage of the U.S. population, and meeting the healthcare needs of an aging population can be challenging. In the report area, there are approximately 3 primary care physicians (MDs and DOs) to serve the area's 2,118 residents over the age of 65. The patient-provider ratio in the report area is 706:1, which means there is 1 provider for every 706 older adults. The ratio of adults to providers in the report area is higher than the state average of 250:1, which means there are fewer providers per person in this area.

Rate per 100,000 Seniors



Data Source: US Department of Health & Human Services, Health Resources and Services Administration, [HRSA - Area Health Resource File](#). 2021.

Who's Who in Monroe County



The Dodge's 2024 State Fair Farm Family
Darrin and Mary DeOrnellis, 4-H Hall of Fame



Barb McCall, 2024 Leaders Honor Roll
Kathy received certificate for 5 yrs of service





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through credible statewide programs

Missouri 4-H for ages 8 – 18

Embryology

Baby Chick Time! Always a fun exciting time of the programming year! We took the Embryology program and its incubators and eggs to 16 classrooms this spring. Excitement of spring and new babies makes everyone smile!



Camp Si Coburn

A tradition in Monroe County 4-H is CAMP. We are the only camp in the state that is 95% volunteer ran. We are lucky to have found a system that works. We have dedicated volunteers who take of time from the jobs and use vacation days to come and cook or take care of these kids. And these kids, we have great kids who lead many of the sessions and the ones coming up behind them are just watching and taking notes as they look forward to their turn.

Monroe County Fair

We had a great county fair this summer. Building projects were up slightly from last year. A majority of the livestock had increases in entries and end with a successful sale. Except for a thunderstorm on Rabbit Show morning the weather was exceptional, which we know isn't always the case.



Legend



Agricultural Growth & Stewardship



Economic Opportunity



Educational Access & Excellence



Health & Well-Being

Monroe County

Missouri 4-H

Local Impact

Clubs

Monroe County has 6 active Community Clubs. In 2024 we added 3 SPIN Clubs which are Special Interest clubs. They serve a vital role in keeping older members involved in the things that most interested them in 4-H and gives new members a spot to sort of stick their toe in the water, giving 4-H a try. We've seen lots of successful programming happen in the ALL of the clubs this year.

Events

The Program is full of events. The new year kicks off with 4-H Week, where we celebrate all things 4-H. Fall brings opportunities to compete in State Events. Project work takes on the main focus through the winter months, from weighing steers to curing hams and bacons to starting work on building projects. Spring brings Achievement Day where we showcase the skills we are learning. Rolling into summer with camp and fair. Kids have lots of options for lots of things to do throughout the 4-H year.



Monroe County

Missouri 4-H

Profiles and Stories



Community Service

One of the most rewarding things kids learn about in 4-H is Community Service. The impact of this is felt throughout their lives. It gives kids a look at the bigger picture of the world around them. At camp kids made jump ropes out of recycled t-shirts to be added to the Operation Shoebox packages that are sent worldwide at Christmas time.

CEC, our favorite Collaborating Partner

Electricity Day is a fun one at camp. Volunteers from our local electric cooperative show up at camp with their toolboxes and supplies and kids go home with 12' extension cords. Ones that they have wired themselves. They love to offer this youth programming, and these kids look forward to it every year.



STEM Racecars

4-Hers are naturally curious people, interested in learning EVERYTHING. We love to give them varied activities. At camp this year they engineered their own racecars out of commonly found household items, creating STEM racecars.





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Agriculture and Environment

Agronomist Report 2024

PPAT:

Nick Wesslak taught 56 participants for private pesticide applicator training (PPAT) in Monroe County. 250 total applicants were trained for PPAT licensing by Nick Wesslak in the Northeast Region.

Soils:

The regional agronomist (Nick Wesslak) and regional horticulturalists (Justin Keay and Jenniffer Schutter) oversaw the soil sampling program at the county level and made recommendations to clients based upon their soil sample results for the eight northeast counties of the state of Missouri. There was a total of 310 participants. Participants in the soil sampling program learned about their soil fertility levels and received research-based recommendations to achieve their desired yield goal of their particular crop(s) and were able to get more in depth recommendations from specialists, such as when a particular herbicide the producer was considering using had an application rate that was dependent upon soil texture and/or organic matter content of the soil.

Grazing School:

A Monroe County Grazing School was held in Monroe City, MO in which 24 participants learned basic scientific principles related to soils, plant growth, economics, and livestock nutrition. Participants learned practical aspects of grazing system management including water development and location, and fencing location and construction. Participants also evaluated pastures for forage availability and species composition. These learned skills directly translate to their ability to identify these resources on their own farms and to design grazing system layouts that fit their operation. Evaluating soils, terrain, plant communities, and livestock enterprises on individual farms provides personal ownership of the system and allows for individuals to incorporate scientific principles and practical applications of appropriate fencing and livestock watering technology to enhance the forage resources and livestock productivity of individual farms. Within agronomy, Nick spoke on basic plant growth, forage quality, and persistence as well as matching forages to livestock. Valerie Tate spoke on basic soil structure, function, and fertility.



Agricultural Growth
& Stewardship



Economic
Opportunity



Educational
Access &
Excellence



Health
& Well-Being

Monroe County

Agriculture and Environment

Local Impact



Monroe County

Agriculture and Environment

Local Impact

SHOW-ME-SELECT HEIFER PROGRAM

MU Extension's Show-Me-Select Replacement Heifer Program teaches beef cattle producers to successfully adopt research-proven reproductive and genetic technologies developed at the University of Missouri which add value to heifers in beef herds across the state. This leads to improved profitability and sustainability of family-owned operations, positively benefitting Missouri's economy by over \$150 million since its inception in 1997.

On December 14, 2024 the Northeast Region held its 28th Annual sale. Selling 323 heifers for \$3,599.



Submitted by
Daniel Mallory
Livestock Specialist



The Missouri Beef Cattle Testing program is designed to help improve Missouri beef cattle in both quality and growth through breeding and selection. The northeast region is one of three remaining programs in the state to hold performance tested sales. The first sale was held in 1973, while the most current sale was held in March of 2024 and sold 34 bulls for



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Business and Community

Agriculture Lender Seminar

Mary Sobba

Seventy-two lenders from 20 Missouri counties and Illinois attended an ag lender seminar in Mexico, 9 of those lenders being from Monroe County. Lenders learned about crop and livestock outlook, agriculture policy, rental rates & land values, MU budgets, wind and solar leasing, input costs and enterprise budgets, Missouri farm business management summary and Missouri Agricultural and Small Business Development Authority (MASBDA) programs.

By attending University of Missouri’s Agricultural Lenders’ seminars, lenders gain knowledge to help their clients make better decisions based on objective education and resources. More information and better decisions benefit their portfolio of producers, landowners, and agribusinesses through enhanced understanding of enterprise budgets, market expectations, and other decision influencing factors affecting families’ and businesses’ financial health. Lenders in attendance manage farm loans totaling \$155,250,000.



Legend



Agricultural Growth & Stewardship



Economic Opportunity



Educational Access & Excellence



Health & Well-Being



MU EXTENSION **Serves MISSOURI and Delivers MIZZOU**

through credible statewide programs

Business and Community

Business and Community

Local Impact

Extension Tax Schools

University of Missouri Extension ag economics department and ag business specialists worked together to coordinate one summer and three fall tax schools. The summer school was in person and live online. Fall schools were in Columbia and Springfield and one online school. 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, ethics, trusts and estates, agriculture and natural resource tax issues, business tax issues, business entity tax issues, IRS issues, related party issues, real estate rental activity issues, limited liability company issues, and international tax issues. 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 3,776 hours.

The teaching teams included CPAs, a former IRS stakeholder liaison, an IRS certified retired ag economics professor, an attorney, a certified financial planner, Missouri Department of Revenue and extension ag business specialists.

The evaluations had many positive comments and helpful suggestions. Planning is underway to offer trainings in 2025. 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, the National Income Tax Workbook from the Land Grant University Tax Education Foundation, and materials written by the instructors.

The 2024 school attendance totaled three hundred fifty people. The participants were from throughout Missouri. One tax preparer from Monroe County was in attendance.

Monroe County

Community and Professional Health Education

Local Impact

In Celebration of May's National Beef Month

Monroe and Shelby County Cattlemen's Association, in partnership with MU Extension in Monroe and Shelby County, has undertaken a commendable initiative to promote healthy protein consumption, particularly beef, within the community. Their efforts and collaboration with Hopewell Farms and C&R Market provided 708 pounds of ground beef to citizens of Shelby and Monroe counties through food banks in Bethel, Faith Walk Ministries, Monroe City, and Shelbina. This effort has contributed to 1 pound of beef equaling \$5.37/ pound delivering a value of \$3,801.96 to community citizens to improve food security. 708 pounds was significant to achieved due to the two counties serving 708 household collectively. These food banks demonstrate a commitment to addressing local food insecurity while advocating for nutritious dietary choices.

The distribution of ground beef within the communities celebrates May's National Beef Month. "May's celebration of Beef Month highlights the significance of beef production in the United States, emphasizing its role as an essential protein source. By leveraging this national recognition, the partnership aims to raise awareness about the importance of incorporating beef into a balanced diet" Jess Unterbrink, Monroe, and Shelby County Cattlemen's Association.

People are becoming more aware of the importance of eating a balanced diet. Carrie Elsen, MU Extension Field Specialist, states "this event helps promote healthy home-cooked meals and encourages community members to make healthier choices for themselves and their families. MU Extension aims to foster healthier habits and improve overall well-being by supporting communities with educational resources and meal planning initiatives."



In addition to the ground beef distribution, the local cattlemen's affiliate's initiative to donate 160 beef sticks to third graders in Monroe and Shelby counties serves to promote healthy snacking options, especially during periods of heightened stress such as state testing. By targeting schools in the area, including North Shelby, South Shelby, Paris, Holliday, Madison, Middle Grove, and Monroe City, the initiative seeks to instill healthy eating habits at a young age and support students' nutritional needs during critical academic periods.

MU Extension group coordination with Gina Pollard YPA, Kathy Hasekamp YPA, Amanda Lehenbauer NPA, and Carrie Elsen HES contributed to the data collection, coordination, and distribution of Shelby and Monroe Counties four food banks and seven local school districts. In addition, 708 tiger cards, and 708 NC130, Quick and Easy Beef Skillet Recipe cards were handed out with each 1 pound of beef during food bank distribution days in May.

Monroe County

Community and Professional Health Education

Profiles and Stories

SNAP-Ed Public Value Statement 2024



The Supplemental Nutrition Assistance Program Education (SNAP-Education or SNAP-Ed) brought \$11,145,237 in federal funds to Missouri. The funds support engagement with 74,864 Supplemental Nutrition Assistance Program (SNAP) recipients and eligible citizens of Missouri who learned about being active and healthy eating on a budget. This year we had 1,164,143 indirect educational contacts through newsletters, health fairs, food pantries, and the Show Me Nutrition helpline.

5703 direct and indirect contacts were made in Monroe 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.

Programming Partners

Schools	Agencies
Faith Walk Academy	NE Community Action Agency
Holiday C-2	Monroe County Health Dept.
Monroe County R-2 Elementary	Paris Sr. Center
	Monroe Sr. Center
	Faith Walk Food Pantry
	WIC Clinic - Paris

EFNEP Public Value Statement 2024

The Expanded Food and Nutrition Education Program (EFNEP) brought \$1,624,777 federal funds to Missouri. These funds were used to enroll 559 limited-resource families in nutrition education and meal preparation classes, representing 2,068 family members. Additionally, 2,864 youth were enrolled in EFNEP classes. The 4-H SNAC programs were provided by Youth Program Associate Kathy Hasekamp.

32 of these youth and adult participants reside in Monroe County.

Participants in EFNEP learn the importance of making healthier meals and snack choices, eating breakfast more often, trying new foods, increasing their physical activity, and making 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.

