

“If you're looking to unlock your full potential, whether for yourself, your family, your community, or your business, you're in the right place. University of Missouri Extension is here to partner with you and your loved ones to realize your life's unlimited possibilities. We offer a wealth of knowledge in areas like agriculture, business, youth development, health, community involvement, and overall well-being. Reach out to your local MU Extension office, and let's make progress together.”



UNIVERSITY OF MISSOURI EXTENSION

Dallas County

2024 Annual Report

108 S. Maple St.
PO Box 1072
Buffalo, MO 65622
417-345-7551

**SERVE
MISSOURI.**

**DELIVER
MIZZOU.**



Extension
University of Missouri

an equal opportunity/ADA institution



Office of Extension
and Engagement
University of Missouri

Vice Chancellor's Office
108 Whitten Hall
Columbia, MO 65211
PHONE 573-882-2394
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December 2024

Dear county commissioners, elected leaders and friends of MU Extension and Engagement,

As we reflect on the past year, I want to express my deep gratitude for your support of MU Extension and for your partnership in enhancing the lives of Missourians.

Your support for MU Extension fuels Missouri's agriculture, strengthens families, prepares our youth and promotes the health, well-being and vitality of our communities. Over the past year, our programs have focused on addressing key needs throughout the state:

- **Expanding access to 4-H:** To make 4-H more accessible, we've introduced more in-school and after-school clubs, reducing barriers and creating opportunities for young Missourians to develop essential skills and leadership abilities.
- **Supporting agriculture and land stewardship:** We're addressing critical issues such as succession planning for family farms, rural mental health, agricultural business management and land stewardship. These initiatives are helping Missouri's farmers plan for the future and preserve the health of our land for future generations.
- **Advancing health initiatives:** Our team of community health field specialists, covering every region of the state, works directly with local leaders to assess health needs and bring UM System resources and expertise to these communities, supporting healthier lives and stronger communities.
- **Promoting economic development:** MU Extension is helping to create economic opportunities by working with individuals, supporting businesses in their growth and collaborating with communities to enhance local vibrancy. Through these efforts, we help bring new jobs, skills and possibilities to Missourians across the state.
- **Providing essential training:** Our continuing education programs prepare Missouri's firefighters and health care workers to meet the demands of their roles with the latest skills and knowledge, ensuring they are well-prepared to serve our communities.

As you read through this annual report, I hope you feel as proud as I do of the accomplishments we've achieved together. The dedication and professionalism of MU Extension's faculty and staff are inspiring, and I am grateful to work alongside them—and each of you—as we make Missouri a stronger, healthier and more vibrant place. Thank you for your continued support and partnership. Together, we are serving Missouri by delivering the *University for Missouri*.

Warm regards,

Chad Higgins, PhD
Vice Chancellor, MU Extension and Engagement
Chief Engagement Officer, UM System

Who we are

Faculty and staff

Housed in Dallas County:

Hannah Whittaker
Field Specialist in
Nutrition and Health

Andy McCorkill
Field Specialist
In Livestock

Becky Doehring
Youth Program
Associate/4-H

Katie Stewart
Office Support

Specialists Serving Dallas County

Allison Gunter

EXTENSION ENGAGEMENT SPECIALIST
Mu Extension in Hickory County
417-745-6767

Kelly McGowan

FIELD SPECIALIST IN
HORTICULTURE
MU Extension in Green County
417-874-2955

Velynda Cameron

FIELD SPECIALIST IN
4-H YOUTH DEVELOPMENT
MU Extension in Polk County
417-326-4916

Ashley Allen-Brown

FIELD SPECIALIST IN
REGIONAL ECONOMIC DEVELOPMENT
MU Extension in Camden County
573-346-2644

Terry Halleran

FIELD SPECIALIST IN AGRONOMY
MU Extension in Hickory County
417-745-6767

Wesley Tucker

FIELD SPECIALIST IN
AGRICULTURAL BUSINESS
MU Extension in Polk County
417-326-4916

Council members

Brandon Jackson, Chairman
Dalton Trippe, Vice-chairman
Rachel Badgett, Secretary
Joe Carver, Treasurer
Angie Allen
Bill Monday
Debby Dryer
Tanya Watson
Eric Otterness
Jen Portis
Dalton Trippe
Vicki Coons
Sherry Hillhouse
Dawn Decker

University of Missouri Extension
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FACEBOOK: UNIVERSITY OF
MISSOURI EXTENSION
DALLAS COUNTY

County executives

John Crawford, Presiding
Roger Bradley, Associate, North
Mike Lewis, Associate, South

State legislators:

Sandy Crawford
SENATOR

Jeff Knight
REPRESENTATIVE

Budget and more

Appropriations budget

Income

County Appropriations 41394.94

Total Income 41394.94

Expenses

Salaries/Benefits 35145.94

Travel 2952.00

Telephone 360.00

Office Supplies/Service 1000.00

Advertising 75.00

Insurance 837.00

Misc/Other/Furnishings 1025.00

Total Expenses 41394.94

Office Activities:

Social Media:

Reach: 15400

Interactions: 751

Followers: 125

Link Clicks: 138

Visits 1.7K

Phone Calls: 268

Walk ins: 201

Soil/Hay Tests: 124

Dallas County partners

Dallas County YMCA

Dallas County Health Department

Dallas County R-1 School district

Grace Community Church

First Christian Church

Joe's Hardware

Buffalo City Hall

Buffalo Area Chamber of Commerce

O'Bannon Bank

Dallas County Courthouse

Dallas County Alumni Association

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

Local Support

Did you know you can donate directly to Dallas 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

Dallas 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



UM System County Impacts

2025 UM Systemwide Impact Data Sheets

Dallas County



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

UM System Footprint in the county in 2024



FY24 county students

28 students

- 22 Undergraduates
- 6 Graduate and professional students
- 24 Full-time students
- 4 Part-time students
- 11 Pell grant recipients (aid year 2024)



County employees and retirees

7 people employed by UM

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

2 UM retirees and beneficiaries

UM salary and retirement income:

\$547,690

UM state tax revenue: \$21,873

UM federal tax revenue: \$89,551



County alumni

Selected school alumni

- 3 Medicine
- 6 Nursing
- 7 Health Professions
- 5 Dentistry
- 5 Pharmacy
- 7 Veterinary Medicine
- 22 Agriculture
- 22 Engineering
- 10 Law

Alumni teaching K-12

- 3 teachers
- 1.6% of all district teachers



County breakdown

MU

- 22 students
- 80 alumni
- 4 employees

UMKC

- 1 student
- 28 alumni
- 1 employee

Missouri S&T

- 4 students
- 25 alumni
- 1 employee

UMSL

- 1 student
- 9 alumni
- 0 employees



County properties and offices

MU Extension in: Dallas County



County population: 17,344



County services provided

Health care (FY24)

- 180 in-state patients seen at MU Health Care, with \$234,374 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 506 visits to 260 patients having ZIP codes associated with the county

Extension (2023)

- 1,036 Total educational contacts from MU Extension to residents of the county, including:
- 151 contacts related to productive farming, better gardening, and managing natural resources
- 604 contacts related to healthy eating and aging, strengthening families, personal finance, or youth development
- 48 contacts related to starting businesses, developing community leaders, or renewing the local economy

Grand Challenges

Missouri Grand Challenges: Local Solutions



DALLAS 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

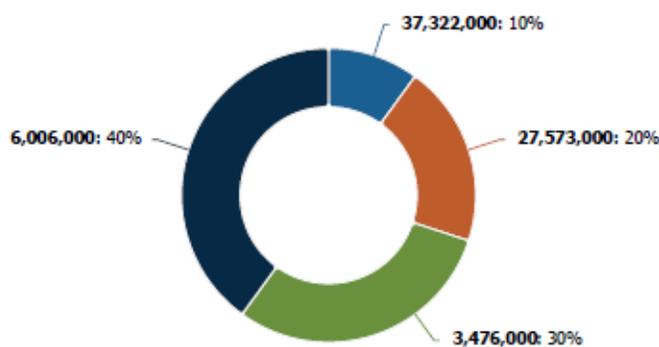
Knowing Local Challenges



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 \$15,943,000 in 2017, an average of \$15,785 per farm. This is below the statewide average farm income of \$56,606.

Report Area	Total Farms	Average Farm Income
Dallas	1,010	\$15,785
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: *Early Childhood Education*

Access to Early Childhood Education

Head Start is an early childhood education program for at-risk children through age 5. Families utilizing Head Start have better success meeting developmental goals and achieving economic stability. In 2018, there were 2 Head Start programs in the report area, or 18.62 per 10,000 population. Access to head start is higher in this area than in the state.

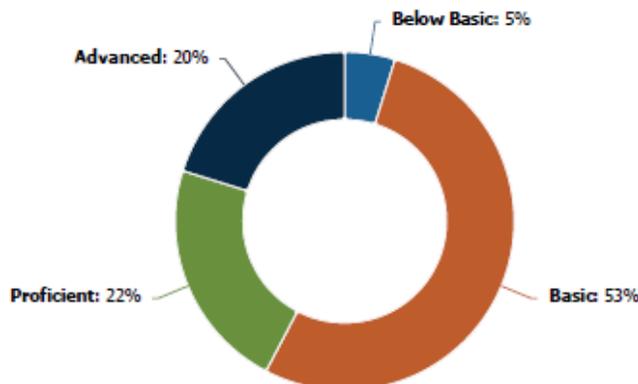
Head Start Programs, Rate (Per 10,000 Children Under Age 5)



Data Source: US Department of Health & Human Services, [HRSA - Administration for Children and Families](#), 2024.

English Language Arts Proficiency

Starting in the 4th grade, public schools emphasize proficiency in reading and reading comprehension. The ability to comprehend becomes the foundation to find and process information in later years and it is important to prevent children from falling behind. Of the 104.00 fourth graders tested in 2018, the known total number of students who had a basic level of English Language Arts was 55.00. The number tested as below basic was 5.00, basic was 55.00, proficient was 23.00, and advanced was 21.00.



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



CHALLENGE 3: Healthy Futures: *Access to Care*

Mental Health Care Providers

Mental health is a critical public health issue worldwide. Access to mental health services is a challenge across Missouri, which ranks 46 out of 51 states in provider access. In the report area there are approximately 11 credentialed professionals providing mental health care to serve the area's 17,071 residents. The patient-provider ratio in the report area is 1,552 to 1, which means there is 1 provider for every 1,552 persons. The ratio of persons to providers in the report area is higher than the state average of 346:1, which means there are fewer providers per person in this area.

Ratio (Population to Providers)

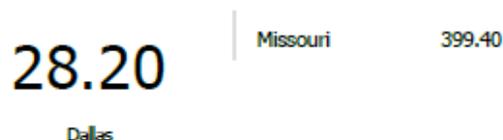


Data Source: Centers for Medicare and Medicaid Services, [CMS - National Plan and Provider Enumeration System \(NPPES\)](#), December 2024.

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 1 primary care physicians (MDs and DOs) to serve the area's 3,552 residents over the age of 65. The patient-provider ratio in the report area is 3,552:1, which means there is 1 provider for every 3,552 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.

Grand Challenges



CHALLENGE 4: Agricultural Growth & Stewardship: *Agricultural Economy*

Jobs Derived

Missouri has a diverse agriculture industry, strong in crops and livestock, as well as food and forestry processing industries. These industries remain a significant part of Missouri's economy, supporting more than 1 in every 10 jobs, on average. In 2021, agriculture, forestry, and related industries in Missouri were estimated to contribute: 456,618 jobs, \$93.7 billion in output and \$31.8 billion in household income. [Learn more about Missouri Agriculture's Economic Impact.](#)

Percent of Jobs Derived from Agriculture

40.8%

Dallas

Missouri

23.55%

Data Source: Missouri Department of Agriculture, [Missouri Agricultural and Small Business Development Authority](#), 2021.

Value Added

Value-added agriculture refers to production, manufacturing, marketing or other services that increase the value of primary agricultural commodities. In 2021, the total value-added derived from agriculture, forestry and related economic activity was an estimated \$34.9 billion. Meat processing, food processing, animal and pet food manufacturing, and crop production and related industries are Missouri's top value-added products: \$9.5 billion and 155,425 jobs from livestock production and related industries alone. [Learn more about Missouri Agriculture's Economic Impact.](#)

Percent of Total Value Added from Agriculture

17.3%

Dallas

Missouri

21.98%

Data Source: Missouri Department of Agriculture, [Missouri Agricultural and Small Business Development Authority](#), 2021.



MU EXTENSION **Serves MISSOURI and Delivers MIZZOU** through credible statewide programs

Missouri 4-H for ages 8 – 18

Rebecca Doehring, Youth Program Associate



Community clubs are organized by volunteer club leaders and teams of recognized volunteers. Members attend club meetings, elect officers, enroll in projects and plan learning and community service activities. Some clubs opt to be single-project clubs, where all members focus on the same project.



Missouri 4-H Agriculture and STEM programs

employ hands-on activities that foster problem-solving, creativity, critical thinking and exploration in engineering and technology. Agriculture programming emphasizes biology, environmental science, agri-science, veterinary science and engaging activities such as animal care and agronomy. STEM programs delve into computer science, robotics, aerospace, physics, chemistry and veterinary science.



4-H Natural Resources programs

employ hands-on activities in climate science, environmental sustainability, renewable energy, sportfishing and wildlife conservation. The **Shooting Sports program**, which teaches marksmanship, safe firearm use, hunting and archery principles, is a prime illustration of how 4-H programs promote holistic youth development and responsible citizenship. Supported by caring adult leaders, these programs offer opportunities to cultivate life skills, self-worth and conservation ethics.



Legend



Agricultural Growth & Stewardship



Economic Opportunity



Educational Access & Excellence



Health & Well-Being



**Rebecca Doehring,
Youth Program Associate**

Dallas County

Missouri 4-H

Profiles and Stories

4-H empowers youth to reach their full potential by working and learning in partnership with caring adults. The mission of 4-H is to provide meaningful opportunities for all youth and adults to work together to create sustainable community change. This is accomplished within three primary content or mission areas – civic engagement and leadership, healthy living, and science. These mission areas reiterate the founding purposes of Extension through agriculture (e.g., community leadership, quality of life, and technology transfer) in the context of 21st-century challenges and opportunities.

Our programming empowers youth to be healthy – body and mind – with the skills to make healthy decisions and lead healthy lifestyles. Having the confidence and skills to lead healthy lifestyles improves overall well-being; it enables youth to tackle life's challenges today and become leaders in their lives, careers, and communities as they grow into responsible adulthood.

Number of Dallas County residents served

- 212 4-H Members
- 10 Trained Adult Volunteers



4-H Clubs

4-H programs are grounded in the belief that youth learn best by doing. Through hands-on projects in science, health, agriculture, and civic engagement in a positive environment, youth receive guidance from adult mentors and are encouraged to take on proactive leadership roles. Youth have the opportunity to concentrate on one focus area, or they can try a variety of programs throughout their 4-H experience.

4-H clubs offer long and short-term educational experiences in which members learn life skills such as decision-making, public speaking, and working with others. Members learn by doing so under the guidance of adult volunteers, who teach projects ranging from computer science and arts to animal science and healthy living. Clubs also involve youth in community service, camping, and educational trips. Regardless of how youth participate, all 4-H programs include mentoring and career readiness as core elements.

- Community 4-H Clubs
 - 3 community clubs – The Eagles (Long Lane), The Bison Besties (Buffalo) and The Beef Kids (Buffalo)
- 4-H SPIN and special-interest programs
 - County 4-H SPIN and special-interest clubs include community partnerships and events, day camps, and other educational activities – summer day camp (June)
- 4-H school programs
 - Dallas 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.
 - Embryology – Fair Grove (93 participants)
 - Home School – Nutrition program (21 participants)
 - Buffalo Summer Afterschool (75 participants)
 - Agriculture Education on the Move (AEOTM) – Buffalo Home School (27 participants)



**Rebecca Doehring,
Youth Program Associate**

Dallas County

Missouri 4-H

Profiles and Stories



Public Speaking

Presenting awards during the annual Recognition program.



Dallas County Home School students with their final presentations during the Agriculture Education on the Move (AEOTM) program.



Project Area Enrollment

Youths select projects according to personal interests. Projects with the most enrollment included:

- Beef (14), Swine (8), Sewing (4), and Arts & Crafts (4)

Accomplishments

Dallas County 4-H members have demonstrated learning through the following activities:

County

- 5 Clover Kids completed the year
- 26 members completed the year
- 7 participated in 4-H conference judging with their handmade projects (June)
- 13 earned the Dallas County Super 4-H'er award t-shirt (November)
- 60 projects registered by members – projects with 8+ enrollment were swine and beef
- 14 members completed 19 project records (August)
- 4-Hers also participate in many local events such as county 4-H council meetings, county-wide fundraisers, Handmade Exhibit Night, summer camps, the recognition celebration, local parades and events, and community service activities.





Rebecca Doehring,
Youth Program Associate

Dallas County

Missouri 4-H

Local Impact

Recognition and Awards 2024



Members and Clover Kids were recognized for their 4-H accomplishments for the 2024 4-H year on November 16.



Extension
#MO4HFlatTruman
4h.missouri.edu

Dallas County Clover Kids




4-H

ISN'T JUST ABOUT
SHOWING LIVESTOCK.
IT'S ABOUT KIDS
LEARNING TO BECOME
SELF-SUFFICIENT.
TO GROW INTO
TOMORROW'S LEADERS.



**Rebecca Doehring,
Youth Program Associate**

Dallas County

Missouri 4-H

Profiles and Stories

Regional and State Events

- 2 members participated in the State Shooting Sports Competition in .22 rifle and archery (September)
- 4 members attended the West Central Regional Energizer (February)
- 5 members exhibited 11 handmade projects at the Ozark Empire Fair (July-August)
- 5 members exhibited 9 handmade projects at the Missouri State Fair (August)



2024 State Shooting Sports – Dallas County members with their awards for participating in the Polk County Regional competition and the state shooting sports competition.



**TO INVEST IN 4-H IS TO INVEST IN THE FUTURE.
4-H'ERS EXCEL.**

about 4X
more likely to
contribute to
their community.

2X
more likely to
make healthy
choices.



nearly 5X
more likely to
graduate college.



**Rebecca Doehring,
Youth Program Associate**

Dallas County

Missouri 4-H

Profiles and Stories

How does this make Dallas County and Missouri Better?

4-H, the nation's largest youth development organization, grows confident young people who are empowered for life today and prepared for a career tomorrow. 4-H programs empower nearly 6 million young people across the U.S. through experiences that develop critical life skills. 4-H is the youth development program of our nation's Cooperative Extension System and USDA. It serves every county and parish in the U.S. through a network of 110 public universities and more than 3000 local Extension offices.

The research-backed 4-H experience grows young people who are four times more likely to contribute to their communities, two times more likely to make healthier choices, two times more likely to be civically active, and two times more likely to participate in STEM programs.

- 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 100 hours per year to the program on average. Valuing their time at \$33.49 per hour (Independent Sector, 2024), the contribution of Dallas County 4-H volunteers was worth more than \$33,490 in 2024. More importantly, these individuals serve as role models and mentors for youth.

References

Independent Sector (2024). Independent sector releases a new value of volunteer time of \$33.49 per hour. Retrieved from <https://independentsector.org/blog/independent-sector-releases-new-value-of-volunteer-time-of-33-49-per-hour/>



Cindy Anglen was recognized for 15 years of volunteer service to the Dallas county 4-H program.



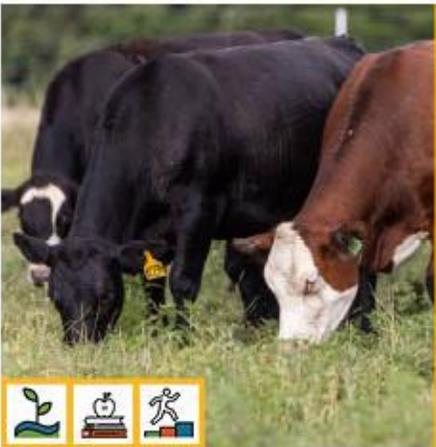


MU EXTENSION **Serves MISSOURI and Delivers MIZZOU** through credible statewide programs **Agriculture and Environment**

Andy McCorkill, Livestock Specialist

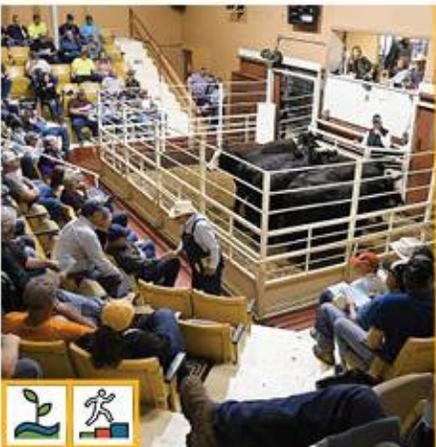


MU Extension Specialists quickly respond to **emergencies and disasters** across the state. If a disease outbreak occurs in livestock, specialists are there. If a natural disaster such as flooding occurs, specialists are there. Missouri farmers can count on MU Extension to guide them through emerging issues with knowledge and expertise.



Missouri Grazing Schools teach management-intensive grazing by dividing large fields into smaller paddocks and systematically rotating livestock among them. Producers who attend the grazing schools learn how to reduce costs through improved livestock grazing and pasture management while getting insights into fencing, watering systems and grazing system design.

The annual impact of management-intensive grazing is estimated to be \$125 MILLION per year in Missouri.



The Missouri Show-Me-Select Replacement Heifer Program

strives to enhance beef herd reproductive efficiency, boost farm income and establish dependable sources of quality replacement cows in Missouri. The program brings in the power of animal genomics through an enhanced DNA-option, Show-Me-PLUS.



Since its inception more than 900 FARMS have enrolled, with an estimated statewide impact of \$200 MILLION.



Legend



Agricultural Growth & Stewardship



Economic Opportunity



Educational Access & Excellence



Health & Well-Being

Dallas County



**Andy McCorkill,
Livestock Specialist**

Agriculture and Environment

Profiles and Stories



- Industry-accepted training and certification required to sell into many terminal markets
- Training held in Dallas County was a partnership between MU Extension, Dallas County Cattleman's Assn, Missouri Beef Industry Council
- 64 participants received certification

SWMO Beef Cattle Improvement Assn

- SWMO BCIA was organized over 50 years ago to help guide SWMO seedstock producers toward genetic improvement through improved data collection and utilization. The semi-annual bull sales held at Springfield Livestock Market are a key program component. Dallas County is routinely the top consigning county and often gains top sales honors.



Preparing our Youth for Tomorrow

- Andy McCorkill teaching Dallas County Agriculture Students about ruminant nutrition at the Southwest Center Ag Ed Day
- He also talked to students about his job and related topics as part of a Career Exploration Day at Dallas County Technical Center and visited students at their career fair



Dallas County



Andy McCorkill,
Livestock Specialist

Agriculture and Environment

Local Impact

Hay and Silage Testing

Livestock Field Specialist Andy McCorkill works with livestock producers to collect forage samples, send them out for laboratory analysis, and then develop a feeding plan that targets the nutritional requirements of their livestock's needs at various stages of production. Considerations for ingredient costs, feeding practicality, labor, and equipment requirements are evaluated to assist producers in finding a solution that works best for their operation. A Winter-Feeding Workshop was also held in December to discuss the strategies to reduce costs when feeding the herd through the winter months.

Forage Nitrate and Prussic Acid Testing and Consultation

Many warm-season forage crops, such as corn silage, sorghum varieties, and crabgrass, are prone to accumulate toxic levels of nitrates and prussic acid under stressed growing conditions. Our area was under drought stress for most of the spring and fall growing seasons. Andy McCorkill provides consultation and quick in-field testing services to help give producers a better idea of the potential risk associated with grazing or haying potentially toxic fields and send samples for lab analysis if necessary to determine the best solution for a positive outcome in each circumstance.

	WET	DRY
Moist / Dry Matter	% 11.52784	88.47216
Protein	% 12.16464	13.74968
Adj Cr Protein ...	% 0	0
Avail Protein	% 0	0
A.D.F. - N	% 0	0
Urea	% 0	0
A D Fiber	% 30.78831	34.8
N D Fiber(a)	% 52.97713	59.88
Crude Fiber	% 0	0
Lignin	% 0	0
T D N	% 52.41897	59.24912
NE Lactation MCAL/LB	.5272233	.59592
NE Gain MCAL/LB	.2861872	.3234772
NE Maint ... MCAL/LB	.5154417	.5826032
Digst Energy MCAL/LB	1.048142	1.184714
Crude Fat (EE) ...	% 0	0
pH	0	0
Ash	% 0	0
Salt	% 0	0
Nitrogen	% 1.946342	2.199949
RFV/Quality Standrd	96 [3]	
Nitrate (NO3)	Negative	
Aflatoxin		
NFC (dry)		





MU EXTENSION **Serves MISSOURI and Delivers MIZZOU**

through credible statewide programs

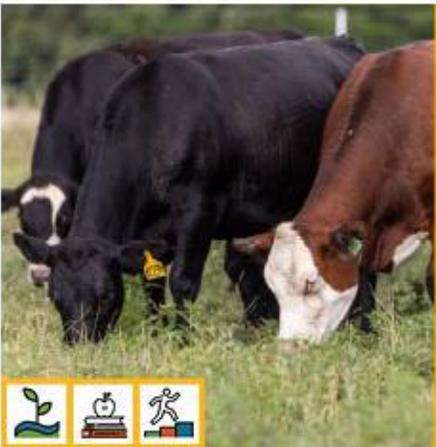
Agriculture and Environment

Terry Halleran, Field Specialist in Agronomy



The Missouri Integrated Pest Management Program (IPM), funded by USDA grants, has been an important extension program for more than 30 years. Mizzou IPM distributes articles, pest monitoring data and publications on how to improve the application of integrated pest management strategies and systems in crops. In addition, the new Soybean Growth Monitoring Report is released through IPM every two weeks during the growing season.

The MU Soil Testing Program delivers research-based nutrient and lime recommendations to more than **32,500 customers annually.**



Missouri Grazing Schools teach management-intensive grazing by dividing large fields into smaller paddocks and systematically rotating livestock among them. Producers who attend the grazing schools learn how to reduce costs through improved livestock grazing and pasture management while getting insights into fencing, watering systems and grazing system design.

The annual impact of management-intensive grazing is estimated to be **\$125 MILLION per year in Missouri.**



MU Extension Specialists quickly respond to **emergencies and disasters** across the state. If a disease outbreak occurs in livestock, specialists are there. If a natural disaster such as flooding occurs, specialists are there. Missouri farmers can count on MU Extension to guide them through emerging issues with knowledge and expertise.

Legend



Agricultural Growth & Stewardship



Economic Opportunity



Educational Access & Excellence



Health & Well-Being



Terry Halleran,
Field Specialist in Agronomy

Dallas County

Agriculture and Environment

Profiles and Stories



The Annual Hickory County Cattleman's Bus Tour is open to any county in the state. Dallas County residents have traveled to neighboring states, looking at the different types of agriculture in those regions. They then take the information home and apply it to their operations.



Hay quality can be an issue in locally produced hay, so classes and articles are put together to address these issues and help those feeding hay. We often suggest that the producer test their hay.

Here, we are touring the oldest stockyard in the country—the Oklahoma National Stockyard, which was opened in 1910.





Terry Halleran,
Field Specialist in Agronomy

Dallas County

Agriculture and Environment

Local Impact



Agriculture and Environment

Local Impact

Amie Breshears, MU Extension Ag Business Specialist

Farm Lease Workshop– Buffalo May 2, 2024

11 participants

O'Bannon Bank was a partner

Amie Breshears presented on land values, cash rental rates and items in a lease
Mary Sobba presented on trends, macro issues affecting agriculture, verbal leases, termination and communication.

Customer quotes

"Very good"

"Good job!"

Short-term learning outcomes:

100% said they would recommend the program to others

At the conclusion of the training, participants stated:

70% said they understood that a farm lease is a legal binding contract

80% said they had a better idea of fair rental rates in their area of the state

70% said they know the correct way to terminate a farm lease

100% said they know where to find farm lease forms and lease resources

Participants stated they planned to take the following actions:

50% plan to review their lease and its provisions

20% plan to move from a verbal lease to a written lease

10% plan to discuss the lease with family members

20% plan to make revisions/updates to current lease

*one participant plants to explain the options to their current customers (participant was a lender)



Dallas County Farm Family 2024

August 12, 2024

Residents chosen as Missouri Farm Family for Dallas County

Buffalo, Mo. — Heather and Wes Tucker and the Buffalo family were honored during the 67th annual Missouri Farm Family Day on Aug. 12 at the Missouri State Fair.

The Tucker family was selected as the Dallas County Missouri Farm Family by the University of Missouri Extension in Dallas County and the local Farm Bureau. The family includes daughter Jordan Tucker.

Each year, the fair sets aside a day to recognize farm families from across the state who are active in their communities, involved in agriculture, and/or participate in local outreach and extension programs such as 4-H or FFA.

The Tucker family operates a cow-calf operation.

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 MU Extension.

The event showcases the impact that Missouri farm families have on the economy and heritage of the state, said Missouri State Fair Director Jason Moore. “These families are involved in agriculture activities in their communities and actively participate in local outreach and extension. As the premier showcase for Missouri agriculture, the Missouri State Fair is most certainly the appropriate place to celebrate these families.”



2024 Report



Covering West Central Counties of Missouri

2024 In Review

This year saw the expansion of natural resources programming to many of my counties. Here are some highlights of 2024:

- Woodland Steward Workshop
- Forest Farming Workshop
- Revival of Missouri Women Owning Woodlands (WOW) program
 - Monthly virtual Zoom meetings connecting with women woodland owners over topics of interest.
- Heroes to Hives Program
- Youth programming: 4-H soil and water experiment and watershed curriculum
- Keep Your Forest in the Family Legacy Workshop

It was great getting to connect with everyone in person and over Zoom. I will continue to offer virtual natural resources programming as it's the best way to reach all my counties. I will also continue to bring in-person programming to more counties as well.

Thank you all for your support in 2024.

Stay Up-to-Date on Natural Resources Programming

Follow our newsletters to receive information monthly about our upcoming programs & learn more about Missouri's natural resources:

MU Extension Natural Resources Newsletter



bit.ly/MU-Ext-Natural-Resources

Women Owning Woodlands Newsletter



bit.ly/missouri-wow

Looking at 2025

Here are a few programs to keep an eye out for in 2025.

- Women Owning Woodlands Monthly Zoom meetings
- Chainsaw Safety Courses
- Invasive Plant Workshops
- Agroforestry Programming
- Forest Management field days & tours
- Natural Resources youth programming

Let me know what you'd like to see in your county - looking forward to engaging with everyone in conservation next year!

Local Impact

Extension Tax Schools

University of Missouri Extension's 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 CFP continuing education. The total continuing education hours reported to the 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, the Missouri Department of Revenue, and extension ag business specialists.

The evaluations had many positive comments and helpful suggestions. Planning is underway to offer training 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. **4 attended from Dallas County.**



Dallas County

Business and Community

Local Impact



Economic Opportunity

Serving: Dallas County

Missouri Small Business Development Center (SBDC)

The Missouri SBDC at Missouri State University (MSU) provided support to Dallas County entrepreneurs and small business owners through 1:1 assistance and training. In 2024 our Center partnered with the Small Business Administration and New Growth Women's Business Center to bring the "Credit As An Asset" & "Becoming a Better Borrower" training programs to Dallas County.

Working with the Buffalo Area Chamber of Commerce and the Dallas County Economic Development Group, the Missouri SBDC at MSU held monthly open office hours on the Dallas County square. These office hours allowed businesses owners to ask questions on a variety of business subjects.

Over the course of 2024, our office met with clients in Dallas County to discuss a wide range of topics including:

- Starting a business
- Business financing
- Business expansion and relocation
- Financial planning & cash flow management
- Marketing strategy
- Course projects with MSU students
- Purchasing a business
- International expansion opportunities
- Technology commercialization

KEY OUTCOMES IN DALLAS COUNTY

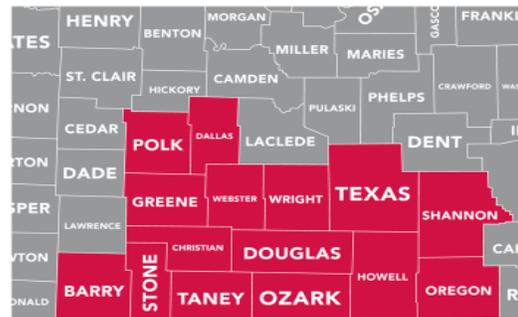
Multiple open office hours sessions with the Buffalo Area Chamber

48 Attendees from Dallas County joined our business and professional development training programs.

Participation in the Dallas County Technical Center's Business Advisory Board.



Missouri State
UNIVERSITY



The Missouri SBDC at Missouri State University serves 15 counties in southwest Missouri (highlighted).

Learn more about our latest programs and training

sbdc@missouristate.edu

417-837-2617

sbdc.missouristate.edu

REGIONAL HIGHLIGHTS

\$158,348,440

Increase in sales for client companies through the assistance of the SBDC

\$96,731,627

Government contracts secured through the assistance of APEX (formerly MO PTAC)

\$20,468,645

Capitalization secured through the assistance of the SBDC

Impact data is client verified and obtained by approximately 30% of clients annually for the statewide network. The Missouri SBDC is funded in part through a cooperative agreement with the U.S. Small Business Administration.



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Health and Human Sciences

Della Miller, Field Specialist in Human Development



Building Strong Families

Studies show that people with strong family bonds tend to have lower stress levels. Building Strong Families helps families deal with disagreements, manage stress and show their love for one another.



Mental Health First Aid equips people to recognize and respond to signs of mental illness and substance use challenges.

Youth Mental Health First Aid is primarily designed for adults who regularly interact with young people (ages 12-17) facing mental health or addiction challenges while the adult version focuses on adults aged 18 and older. Participants learn how to offer initial assistance and guide individuals toward the care they need.

In Missouri, approximately 1 MILLION ADULTS and 72,000 ADOLESCENTS suffer from MENTAL HEALTH ISSUES.*

*Missouri Department of Mental Health 2020 Status Report



Chronic Disease Self-Management programs offer evidence-based information for individuals and their caregivers to boost self-confidence in managing symptoms, enhancing quality of life and even reducing health care expenses.

These programs have undergone rigorous evaluation and are proven to be effective tools for individuals dealing with chronic conditions like arthritis, fibromyalgia, depression and diabetes.

Legend



Agricultural Growth & Stewardship



Economic Opportunity



Educational Access & Excellence



Health & Well-Being



Della Miller
Field Specialist in
Human Development

Dallas County

Serving Laclede, Camden, Dallas, Polk,
 Benton, Hickory, Wright and Webster Counties

Health and Human Sciences

Local Impact

What is the Role of Field Specialist in Human Development in the Community?

Field Specialists in Human Development deliver evidence-based programming to communities across Missouri. These initiatives are designed to meet the unique needs of each community by providing education on topics such as parenting, family strengthening, mental health awareness, adolescent development, aging well, early childhood care and education, and other related areas.

Families & Parenting Programs

Building Strong Families

The Human Development and Family Science team partnered with the Missouri Department of Social Services Children’s Division to provide parenting classes for parents who are trying to bring their children home from foster care. We offered five 6-session parenting classes online throughout the year. These classes covered topics such as communication, stress management, discipline and more.

Impact

- The team taught 81 parents who earned 800 hours of parenting information.
- Positively impacted the 167 children of these parents.
- Parents joined the classes from 32 different counties across the state of Missouri.

What Participants Are Saying About Our Programs:

“The stories and scenarios to help in how to best approach youth in crisis. Especially for very difficult conversations that we ourselves may feel anxious bringing up.” – Youth Mental Health First Aid Participant

“Not only does this course teach new things. It also helps affirm strategies already being used and helped make me free good about myself as a parent. It really helped me grow. Thank You.” - Building Strong Families Participant

“This was one of the most useful programs I’ve ever heard. Growing older is not easy, but I like all the tips to try to keep us safe” – Keep Your Keys Participant

“Everyone should be taught this information. Thank you for coming to talk to us!” – Alzheimer’s Association Program Participant

Professional Development Programs

Childcare Provider Training Virtual (Collaborative) and In-Person Childcare programming by Human Development and Family Science Field Specialists in-person and virtually was completed statewide. The childcare programming provides statewide clock hours for professional development for childcare providers who are required to obtain 12 hours each year.

Impact

- Provided 422 childcare providers across the state of Missouri through 41 sessions.
- 844 clock hours provided for professional development
- In-person trainings were provided to childcare providers in Laclede, Miller, and Camden Counties.

Well-Being Programs

Taking Care of You

This multi-session program provides practical strategies and hands-on experiences designed to help you effectively manage stress in your daily life.

Chronic Disease Self-Management (CDSMP)

A six-week program that equips participants with essential tools to better manage chronic conditions. Topics include self-management techniques, action planning, healthy eating, and effective communication with healthcare providers.

Mental Health First Aid (Adult and Youth)

This program teaches individuals to identify the signs of mental health and substance use challenges in both adults and youth, promoting early intervention and support.

Impact

- Well-being programs positively impacted 80 participants across 20 counties, including Camden, Laclede, Dallas, and Miller Counties.

Aging Well Programs

Alzheimer’s Association Programs

This program offers informative presentations on a range of Alzheimer’s and dementia-related topics, including the 10 warning signs of Alzheimer’s, effective communication strategies, and how to understand and respond to dementia-related behaviors.

Keep Your Keys

Focused on driving safety, this program covers how to maintain the physical and medical fitness necessary for safe driving, when and how to plan for driving retirement, and provides valuable tools and resources to enhance road safety.

Impact

- The Aging Well programs reached 48 individuals across several counties, including Hickory, Miller, Dallas, and Laclede, making a significant impact on their well-being.





MU EXTENSION **Serves MISSOURI and Delivers MIZZOU**

through credible statewide programs

Health and Human Sciences

Hannah Whittaker, Field Specialist in Health & Nutrition



Policy, systems, and environmental (PSE) changes encourage residents to improve community health by making healthy choices easier and more accessible. Residents design strategies around local needs, assets, and interests.

HELPING HANDS FOOD PANTRY leaders decided pantry clients needed access to healthier foods. Review of food procurement and display practices led to a new policy allocating **\$1,000** of pantry discretionary spending for **LOW-FAT DAIRY OR FRESH PRODUCE.**



Stay Strong, Stay Healthy teaches older adults basic exercises to boost strength, balance and overall daily functionality. Participants also gain insights into nutrition and wellness for healthy aging and active living.

After eight weeks, Stay Strong, Stay Healthy participants significantly IMPROVED their STRENGTH, BALANCE and SLEEP QUALITY.



Cooking Matters

Make quick, tasty, and affordable meals everyone will enjoy.

Learn valuable tips for stretching your food dollars and how to prepare a recipe and sample easy, low-cost, nutritious and delicious dishes.

"We prepared barley jambalaya in class and one participant mentioned she had never tried barley before. She tried the jambalaya and really enjoyed it. A few days later she excitedly said she made the recipe at home and her whole family enjoyed it!"

Cooking Matters facilitator about a class participant

Legend



Agricultural Growth & Stewardship



Economic Opportunity



Educational Access & Excellence



Health & Well-Being



Dallas County

Hannah Whittaker,
Field Specialist in Health & Nutrition

Health and Human Sciences

Profiles and Stories



The Homemade Butter Making class was co-taught by dairy specialist Chloe Collins, myself, and Hannah Whittaker. This class brought back old traditions while giving county-specific updates on the dairy industry and covering food safety and recipes to use your butter!

This photo was taken at a training held in Little Rock, Arkansas. The Soy Chef training was directed at Nutrition and Health Specialists on how we could provide more education to local farmers and consumers on the use and health benefits of soybeans in our area.

The Spring Garden Planning class was a fantastic start to our spring season in West Central Missouri. This class provided insights on how and when to start your garden, no matter the space you have. This class encouraged participants to eat what they grow and try new recipes. Some participants also had plans to preserve their harvest.





Dallas County

Hannah Whittaker,
Field Specialist in Health & Nutrition

Health and Human Sciences

Local Impact

“Stay Strong, Stay Healthy teaches older adults basic exercises to boost strength, balance, and overall daily functionality. Participants also gain insights into nutrition and wellness for healthy aging and active living”. After participants completed the eight-week program, they reported feeling stronger, having more energy, and wanting to continue staying active.

Pre-fitness and post-fitness assessments were performed on the first day of class and the very last day of class. Each participant improved in their strength, balance, and overall mobility. Participants showed interest in continuing the class after the 8 weeks were up or starting a new class in the spring. Overall, Stay Strong, Stay Healthy has had a tremendous overall impact on our community.



Dallas County

Health and Human Sciences

Local Impact

Nutrition education

The goal of the Family Nutrition Education Program is to help participants make behavior changes to achieve lifelong health and fitness.

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.

325 direct and indirect contacts were made in Dallas 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.

