

2019 Community Engagement Conference

Partnering for a Resilient and Sustainable Future



The Ohio Union
at Ohio State University

#osuengages

Poster Abstracts

Conference attendees will attend professional development and networking opportunities related to building a resilient and sustainable future, while also exploring new potential engagement partnerships. They will also be able to visit with numerous colleagues and peers about their research, partnerships, and practices that encourage collaborative outreach and engagement that makes a true impact on people throughout Ohio.

This event is made possible by ENGIE-Axium, the Office of Outreach and Engagement, Ohio State University Extension, The Ohio State University Wexner Medical Center, Sustainability Institute at Ohio State, The Ohio State University Alumni Association, Corporate Engagement Office, Discovery Themes Initiative, Graduate School, Office of Government Affairs, Office of International Affairs, Office of Research, Office of Student Life, Office of Undergraduate Education, and the Ohio Water Resources Center.

There are three poster presentation categories: Engaged Research, Engaged Service, and Engaged Teaching. The first author listed will present at the **Poster Forum on Wednesday, January 23, 2019 from 2:45-3:45pm**. Additional authors presenting at the forum are indicated with an * after their name.

Engaged Research Posters

Smarter Indoor Environments for Health, Resiliency, and Sustainability (poster 1)

Indoor environments require innovative means of assessing and controlling their environmental quality, and this presents an important opportunity for community engagement. Lessons learned in approaches assumed to be sustainable in environmental controls require a broader assessment of sustainability and indoor environmental controls. These lessons have shown that without careful assessment of the users, and broader sustainability and resiliency of the system, indoor spaces can become more contaminated and people's health suffers. In response, our research seeks to find smart ways of data collection, and analysis, and modeling indoor spaces. We aim to make information more accessible and available to the community. We detail current and potential future engagement opportunities with community partners to determine how our research can be leveraged to improve health, well-being, and energy requirements for a broader set of partners.

Authors: **Mark Weir** – assistant professor, Ohio State; **Jordan Clark** – assistant professor, Ohio State; **Karen Dannemiller** – assistant professor, Ohio State; **Andrew May** – assistant professor, Ohio State

Raising Awareness, Building Capacity, and Sustaining Food Systems Transformation on Columbus' South Side (poster 2)

Members of Food-mapping for Empowerment, Access, and Sustainable Transformation (FEAST) will provide an overview of their approach to understanding and empowering transformation of our local food system. I Am My Brother's Keeper (IAMBK) is one of FEAST's partners with whom they are working to increase healthy food access on Columbus' South Side. Learn how parents and youth from the IAMBK program collaborated with FEAST to map their lived experience accessing healthy food on the South Side, how they learned to tell their stories, and how those stories are inspiring transformative change in the Southside food environment.

Learn how the framework and theories look in practice: collective impact, civic engagement, and appreciative inquiry. Also learn how community coaching helped the task force create a sustainable action plan.

Authors: **Karima Samadi** – OSU Extension and research coordinator; **Ingrid Adams** – associate professor, College of Allied Medicine, Medical Dietetics, OSU Extension; **Glennon Sweeney** – senior research associate, The Kirwan Institute; **Daniel Remley** – associate professor and OSU Extension field specialist; **Clarence Jackson** – former program assistant, Franklin County community member, South High School; **Stacie Burbage** – Community Catalyst, OSU Extension, Franklin County

Partnering to Increase Access to Quality Preschool and Teacher Wages in Cincinnati (poster 3)

In 2016, Cincinnati passed Levy 44, a ballot initiative that provided \$15 million in new funding for preschool across the city. This led to creation of Cincinnati Preschool Promise (CPP), a nonprofit organization tasked with increasing access to high-quality preschool in Cincinnati and improving preschool teacher wages. Through an evaluation partnership, the Crane Center for Early Childhood Research and Policy at Ohio State and CPP have worked to ensure that implementation of preschool expansion is effective and beneficial to the children and families of Cincinnati. This has led to a new model for raising teacher wages that can be rigorously evaluated and potentially serve as a model program for other cities. Learn about the importance of access to quality preschool for community health and growth, and the unique benefits and challenges of this type of partnership.

Authors: **Kelly Purtell** – assistant professor, Human Sciences; **Shiloh Turner** – executive director, Cincinnati Preschool Promise; **Jessica Logan** – assistant professor, Educational Studies; **Laura Justice** – executive director, Schoenbaum Family Center and Crane Center for Early Childhood Research and Policy; **Lauren Moore** – program and policy manager, Cincinnati Preschool Promise

Roof Maxx: A Bioproduct that Extends the Life of Asphalt and Expands Markets for Ohio Soybeans (poster 4)

Collaborative research with the support of Ohio soybean farmers through the Ohio Soybean Council has shown the properties and benefits of Roof Maxx, a soy-based formulation that extends the life of asphalt roofs. Roof Maxx restores the properties of asphalt shingles close to those of new shingles, and it provides an economic alternative that reduces the generation of construction waste destined for landfills.

Authors: **Juliana Vasco-Correa** – postdoctoral researcher, Ohio State Department of Food, Agricultural and Biological Engineering; **Ajay Shah** – assistant professor, Ohio State Department of Food, Agricultural and Biological Engineering

Summer Success: A Kindergarten Readiness Summer Camp (poster 5)

Summer Success is a kindergarten readiness program designed to provide kindergarten-bound children with four weeks of targeted instruction in key kindergarten readiness skills. Skills include language, literacy, math, and social-emotional, as well as an interest in creative arts and gross motor skills. The four-week, 140-hour program provides high-quality instruction that explicitly addresses these skills, helping children arrive to kindergarten ready to learn. Through partnerships with organizations such as the City of Columbus, PNC Bank, Columbus Metropolitan Library, Columbus Museum of Art, Franklin Park Conservatory, and Center of Science and Industry, children are able to engage in high-quality field trips that reinforce concepts from the classroom.

Authors: **Laura Justice** – executive director, Crane Center for Early Childhood Research and Policy; **Kari Welch** – literacy technician, Schoenbaum Family Center

Unearthing Franklinton's Potential: Cultivating a Vibrant Foodscape (poster 6)

The authors will highlight some results of a three-year endeavor with Franklinton Farms to improve healthy food access through a neighborhood Community Supported Agriculture (CSA) program, strengthen community self-reliance, and inspire community empowerment through cooking classes and workshops on nutrition, food processing, and leadership, engage residents in different parts of the food system, preserve land for urban agriculture, and create inviting urban farm spaces. More than 100 households have participated in the CSA, and many have participated in our pre- and post-season surveys. Specifically, we will share about participants' (including the 50 percent who are low-income, paying half price) experiences using quantitative and qualitative data related to food security, dietary patterns, sense of community, and food access.

Authors: **Michelle Kaiser** – associate professor, Ohio State College of Social Work; **Nick Stanich** – executive director, Franklinton Farms

AEDE Farm Management Program Overview (poster 7)

The poster will give an overview of the Farm Management Program and the services offered to stakeholders throughout the state. The mission of the Farm Management Program is to address critical farm management issues affecting Ohio's agricultural industry. These issues include commodity market and price analysis, agricultural policy changes and impact, risk evaluation, farm financial management, commodity profitability, and new farm venture assessment. The program creates and distributes information and data in partnership with faculty researchers to the public, Extension educators, and external stakeholders.

Authors: **Benjamin Brown** – program manager, Ohio State Department of Agricultural Environmental and Development Economics; **Kelli Trinoskey** – communications and outreach manager, Ohio State Department of Agricultural, Environmental and Development Economics

The Ohio State University Farm Income Enhancement Program (poster 8)

U.S. agriculture is experiencing a downturn, with debt increasing faster than assets and equity. In Ohio, farmers are faced with negative profitability and debt-to-asset ratios greater than national averages. Even though farm income is not as low as during the farm crisis, we should still be concerned, as this downturn is showing no signs of ending. To address these problems, the Farm Income Enhancement (FIE) program conducts cutting-edge research to identify factors affecting farm businesses and understand the best strategies to improve farm finances. Recent work has looked at farm financial stress and tax policy, effect of bank regulations on farm stress, factors affecting farmers' access to credit, effect of credit availability on land values, and fiscal policy impact on new farmers. Through this work, the FIE team hopes to enable farmers across the nation to better weather financial downturns and position themselves to thrive far into the future.

Authors: **Ani Katchova** – Farm Income Enhancement chair, Ohio State Department of Agricultural, Environmental and Development Economics; **Eric Davis** – Farm Income Enhancement research assistant, Ohio State Department of Agricultural, Environmental and Development Economics; **Ana Claudia Sant'Anna** – Farm Income Enhancement postdoctoral researcher, Ohio State Department of Agricultural, Environmental and Development Economics

MOA with Cairo University is Attracting Arab and African Countries to Ohio State (poster 9)

The MOA between Ohio State and Cairo University has benefitted students and researchers, particularly from Egypt, via joint collaborative projects. My annual delivery of an atomic astrophysics course attracts many from various institutions in Egypt. Ohio State publicity has added more when I give seminar and conference presentations in Egypt. I received the Guest of Honor status at the international Arab conference on Astronomy and Geophysics. My lectures at the International School of Young Astronomers have had a great impression of Ohio State to the students. A global gateway office would be helpful.

Author: **Sultana Nahar** – research professor, Ohio State affiliation

Recruiting Family Caregivers of African American Older Adults with Dementia (poster 10)

Recruitment of family caregivers into research studies is challenging. Learn strategies for recruiting family caregivers of African American older adults with dementia into research studies. A total of N=65 family caregivers were recruited for this descriptive, cross-sectional, research study to examine end-of-life decision making. Attrition rate was zero. Caregivers were recruited from Program of All-Inclusive Care for the Elderly programs (n=16) and via snowball methods (n=49) from communities across a Southeastern state. Strategies implemented included principal investigator volunteerism and giving presentations to local community organizations. Activities such as participating in health fairs and connecting with local churches were also beneficial. Strategies used for this study can be used to help engage and recruit family caregivers of African American older adults with dementia into cross-sectional, social-behavioral research studies.

Author: **Karen Moss** – assistant professor, Ohio State College of Nursing

Initial and Possible Future Cost Savings and Greenhouse Gas Emission Reductions by Electric Vehicles (poster 11)

The poster will highlight the results of our data analysis from research conducted in the Environment, Economy, Development, and Sustainability capstone course. This project analyzes data from the City of Columbus that reports the initial and ongoing costs of owning and operating electric vehicles as opposed to traditional gas-

powered vehicles. I will also report on future greenhouse gas emission reductions that can be gained through the use of electric vehicles. The poster also will include recommendations for using Columbus' green fleet to mobilize consumer electric vehicle adoption.

Author: Jordan Stoltzfus – project leader, Ohio State student

Resilient and Sustainable Nutrition Networks: Celebrate Your Plate and Ohio SNAP-Ed's Nutrition Education and Outreach for Low-Income Ohioans (poster 12)

Ohio ranks 10th in food insecurity in the United States; and low-income families with children are among the most vulnerable populations. SNAP-Ed (Supplemental Nutrition Assistance Program – Education) serves a SNAP-eligible audience by providing nutrition education to improve health outcomes. Work on a SNAP-Ed social marketing campaign, Celebrate Your Plate (CYP), began in early 2016 with members of the State Nutrition Action Committee (SNAC). The goal of the campaign is to sustainably increase fruit and vegetable consumption for SNAP-eligible families with children and improve their nutritional outcomes by improving overall diet quality. In summer 2018, the Altarum Institute was hired to evaluate the first year of CYP. After conducting more than 1,000 phone interviews with the target audience, Altarum could definitely say that fruit and vegetable consumption increased in the target audience after exposure to the Celebrate Your Plate campaign.

Authors: Elizabeth Husted – SNAP-Ed program coordinator; Ana Claudia Zubieta – SNAP-Ed director; Brian Butler – program evaluation director, OSU Extension; Alisha Ferguson – SNAP-Ed program assistant

Beyond Farm Level Management: How can Community Partnership Teams Enhance Management of Antibiotic-Resistant Bacteria on Livestock Operations (poster 13)

Antimicrobial resistance (AMR) is a growing public health crisis due to its impacts on human health and the challenges in developing new antimicrobials that outpace the spread of resistance. The structure of livestock farms and landscape-scale patterns of farming and natural areas create distinctive social-ecological contexts which shape microbial populations, potentially shaping emergence and distribution of AMR. How researchers, community leaders, and the agricultural community develop solutions is critical. Community partnership teams, consisting of community leaders, researchers and agricultural members, can help address concerns defined by farm-scale production and landscape features in identified counties (Mercer, Muskingum, and Mercer) of Ohio. The data required to assess this includes individual farm surveys and environmental sampling, to be used in mathematical and computer modeling for the analysis.

Authors: Sarah Mielke – graduate research associate, Ohio State College of Veterinary Medicine; Caroline Brock – research associate, Ohio State College of Food, Agricultural, and Environmental Sciences; Rebecca Garabed – associate professor, Ohio State College of Veterinary Medicine; Douglas Jackson-Smith – professor and assistant director, Ohio State School of Environment and Natural Resources

Shoreline Setback Evaluation: Developing Tools to Encourage Coastal Management Dialogues (poster 14)

This poster will display a proposed methodology for using GIS tools to measure near-shore structure relocation, as determined by the county of Kauai Shoreline Setback Ordinance; and whether the structure relocation setback algorithm provides sufficient setbacks, considering a newly published data set which models more extreme exposure scenarios than the models used to develop the original policy. The poster will include site-graphic models of the proposed study mythology, a pilot study, and a section that highlights opportunities for cooperative measures between government bodies, community organizations, and individual land owners.

Author: Alan Clinton – student

Greenfield Community Sustainable Economic Development (poster 15)

Greenfield, home to almost 5,000 Ohioans, is a large village with extensive goals and plans for how the village can improve the community. Like many small Appalachian communities across Ohio, Greenfield has experienced many economic and social challenges recently. However, Greenfield has an engaged community committed to revitalizing their village in an economically, socially, and environmentally sustainable way. Ohio State student researchers under the direct supervision of two faculty members will participate in engaged research and engaged service with the Greenfield community. The student researchers will directly partner

with Greenfield community members to determine a plan for the revitalization of Greenfield's downtown area. The student researchers will engage community members in various discussions to determine the wants and needs of the community to ensure the project is helpful to their long-term goals.

Authors: **Eleni Kokales** – undergraduate student; **Nischay Soni** – undergraduate student

Bee Campus OSU (poster 16)

The decline in the pollinator population around the globe is a threat to humans and the environment alike. Pollinators play the important role of fertilizing plants, increasing biodiversity, and contributing to our food supply. Loss of habitat, pesticide use, and disease are some of the main threats pollinators are facing. As students at Ohio State, we believe our large campus and student body has the capacity to make a difference for pollinators by becoming a part of the Bee Campus USA program. This program aims to raise awareness of the importance of pollinators and what students can do to protect them and their habitats. By promoting pollinators, we are protecting our food supply and the environment, and creating an example for other institutions.

Authors: **Delia Randolph** – undergraduate student, Ohio State School of Environment and Natural Resources; **Maggie Long** – project manager, undergraduate student, Ohio State School of Environment and Natural Resources; **Jacob Miller** – survey design and student engagement, undergraduate student, Ohio State School of Environment and Natural Resources; **Meggie Nafziger** – Survey Design and Data Analysis, undergraduate student, Ohio State School of Environment and Natural Resources; **Myra Moss** – project supervisor and co-author, OSU Extension; **Wuyang Hu** – project supervisor and co-author, Ohio State Department of Agricultural, Environmental and Development Economics

The Green Space and Depression Rates (poster 17)

Green spaces are declining globally due to the demand for land because of our growing population. Due to the lack of green space, cases of depression are increasing globally. Parks are well known as the “go to” place for families, since parks provide families with quality time together while enjoying the weather and nature. The critical part of urbanization is for development to be sustainable and include green spaces as part of development and community design, to minimize the impact of urbanization. All in all, it is important to raise awareness of existing issues to prevent negative impacts and be more sustainable.

Author: **Xenia Grace Marzan** – research assistant, Ohio State School of Environment and Natural Resources

Health Implications of Solid Waste Disposal and Management Methods in Abeokuta Metropolis and Its Environs, Nigeria (poster 18)

The increase in solid waste generated in Abeokuta could be linked to population growth and increase in industrial activities coupled with inefficient waste management. The study population will be comprised of inhabitants of Abeokuta and environs, while 320 respondents will be used as the sample size. The instrument for data collection will be a structured questionnaire, interviews, and observation. The data will be analyzed using descriptive statistics to answer research questions and inferential statistics to test the hypotheses. The implication of this study to public health will advocate that individuals, agencies, and government should make an effort in inculcate best practices in solid waste management.

Author: **Benjamin Edegba** – Department of Human Kinetic and Health Education, Federal College of Education, Abeokuta, Ogun State Nigeria

Engaged Service Posters

Support Staff as Coaches and Mentors: Tips to Unlock Your Potential (poster 19)

Unfortunately, workshops on coaching and mentoring have traditionally targeted people who manage other people. This has left out many support staff personnel who, quite frankly, may have similar or even greater capabilities to coach and mentor others. So how do you find opportunities to become a coach or mentor when serving in a non-managerial role? Can you make a positive impact on your organization by undertaking mentorships? Can you coach colleagues or even supervisors to help them improve? Could helping them, subsequently, help you succeed? This poster will answer these and other questions together, sharing base learning and opportunities to help others, our organizations, and ourselves.

Authors: **Brian Raison** – OSU Extension field specialist, leadership

Preventing Falls: A Community-Based Intervention Project (poster 20)

Falls are not a normal part of aging. However, fall rates are growing among older adults and are the most common cause of injury for older adults in Franklin County. Falls can lead to profound changes in mobility, independent living, and overall life expectancy. At the community level, local emergency medical services are often called for older patients who experience a fall or require assistance for mobility, but then do not require transport for further care (“lift assists”). Reducing the number of paramedic runs for lift assists should have a significant cost benefit to the local community and provide transformational care strategies for fall prevention in a patient’s own home. This was a collaborative effort between OSUWMC Orthopaedics and the Upper Arlington Fire Division to identify feasible home modifications that community paramedics can implement in the homes of older adults to prevent falls in the home and reduce emergency calls related to falls and lift assists.

Authors: **Elizabeth Sheridan Wagg** – researcher, OSUWMC; **Carmen Quatman** – surgeon-scientist, OSUWMC; **Jennifer Garvin** – informaticist/public health researcher, OSUWMC; **Melinda Gabriel** – firefighter/paramedic, Upper Arlington Fire Division; **Deb Kegelmeyer** – researcher/physical therapist, OSUWMC; **Laura Phieffer** – surgeon, OSUWMC; **Catherine Quatman-Yates** – clinical researcher/physical therapist, OSUWMC; **Heena Santry** – surgeon-scientist, OSUWMC; **Mark Weade** – firefighter/paramedic, Upper Arlington Fire Division; **Jessica Wiseman** – researcher, OSUWMC; **David Wisner** – firefighter/paramedic, Upper Arlington Fire Division; **Mark Zambito** – assistant chief, Worthington Fire Division

Leading Across Generations (poster 21)

Millennials are officially the largest generation in the workforce. This generation of highly educated 20- to 30-year-olds tends to have an unconventional leadership and work style, which can be a source of either inspiration or conflict. Learn about the cultural and attitudinal differences between generations and insights into how higher education professionals can leverage the best of each generation to create an effective workplace. This will help break down generational stereotypes for all generations and build common ground for workplace success.

Authors: **Danae Wolfe** – OSU Extension educational technology specialist

Creating Community Partners for Individuals Who Use Augmentative and Alternative Communication (AAC) Through Awareness (poster 22)

Graduate students in the speech-language pathology masters program at Ohio State organized an event to increase awareness about AAC. The event was an open house with activities to simulate using AAC and practice being a communication partner for persons who use AAC, as well as increase awareness about the importance of AAC to the community. The strategies taught at the event were designed to be able to be implemented in participants’ lives to increase their comfort and ability to interact with persons who use AAC. This event was designed to highlight the shared responsibility of the entire community to engage all members, no matter their communication strategies. A community is more resilient and inclusive when all of its members are able to contribute. The event aimed to increase community members’ and professionals’ knowledge of ways to build a more interwoven society that is inviting to all of its members.

Authors: **Bethany Frick** – student, Ohio State; **Kacie Ross** – student, Ohio State; **Maleah Ferriman** – student, Ohio State; **Claire Goecke** – student, Ohio State

Do You Have Food \$ense: Building Healthy, Resilient Communities through Sustainable Partnerships (poster 23)

The purpose of the Do You Have Food \$ense program is to develop a collaborative partnership between OSU Extension, a faith-based mobile food pantry, and a local health care provider to address the food insecurity, health disparities and social determinants of health.

Authors: **Margaret Jenkins** – assistant professor, OSU Extension; **Nanette Neal** – OSU Extension educator, agriculture and natural resources

The BRIDGE: A Streamlined Approach to Solve Complex Issues (poster 24)

Complex issues in work, school, community, or life can significantly impact productivity, performance, and goal attainment. Collective brainpower can many times be the best way to creatively solve issues. The BRIDGE is a tool that communities, businesses, educators, staff, volunteers, and youth can use to structure the collection of those creative ideas and streamline the process for developing an implementation plan. The BRIDGE model

actively engages groups of diverse people. The structure of the process allows for dynamic exchange of ideas that are captured on idea cards and ultimately churn and meld into synthesized solutions supported by the entire group. Learn how you can become a certified facilitator of The BRIDGE.

Authors: **Myra Wilson** – program director, Ohio State Alber Enterprise Center; **Cynthia Bond** – assistant professor and OSU Extension educator, community development; **David Marrison** – associate professor and OSU Extension educator, agriculture and natural resources; **Emily Marrison** – OSU Extension educator, family and consumer sciences; **Amanda Woods** – Healthy Finances program specialist, OSU Extension family and consumer sciences; **Kyle White** – OSU Extension area leader and educator, community development

The Global One Health initiative: Connecting Local to International Efforts (poster 25)

The mission of the Global One Health initiative (GOHi) is to expand capacity for a One Health approach via applied education, training, research, and outreach to more efficiently and effectively address causes and effects of diseases at the interface of humans, animals, plants, and the environment. The GOHi vision is to produce capable professionals and institutional systems that support and advance a healthy, enduring global (local and international) community. Areas addressed include: GOHi's commitment for community engagement; role of affiliated entity, Global One Health, LLC in eastern Africa; engaging communities through training capacity activities and engaging implementation of science capacity through global health security. As a land-grant university, Ohio State needs to play a lead role in building and strengthening capacity and engaging communities to address global priorities.

Authors: **Michael Bisesi** – professor, Global One Health initiative; **Wondwossen Gebreyes** – professor of Veterinary Science, Global One Health initiative; **Sally Miller** – professor, Global One Health initiative; **Christine O'Malley** – communication expert, Global One Health initiative; **Shu-Hua Wang** – professor, Global One Health initiative

The Blanket Project: Promoting Multi-Generational Connections (poster 26)

The Blanket Project brings together multi-generations of people to work toward outcomes for all. Older adults benefit from improved quality of life and decreased social isolation. College students benefit from decreasing attitudes toward ageism and volunteerism. Elementary students in underserved areas are mentored by these groups and create a needed blanket for themselves.

Authors: **Katheryn Fernandez** – assistant professor, Capital University

Long-Term Collaborative Partnerships for Reclamation of Abandoned Mined Lands (poster 27)

In the last decade, the Coal Combustion Products Program at Ohio State has focused on advancing the use of coal combustion residues to reclaim and bring to productive use abandoned mined lands which would not be reclaimed if not for the availability of coal combustion by-products. Learn how collaborative research by Ohio State, the ODNR Division on Mineral Resources Management, AEP, and the Ohio Mineland Partnership can advance the science and make a significant impact on the environmental benefits of reclamation using coal combustion residues along with tree reclamation to sequester CO₂ – unlike current grassland methods of reclamation.

Author: **Tarunjit Butalia** – research associate professor, Ohio State College of Engineering

Adventure Central: Partnering for a Sustainable Community (poster 28)

Adventure Central is a trusted, community-based, positive youth development partnership serving at-risk children and their parents in the west Dayton community for more than 15 years. This nationally recognized program has been at the forefront of positive youth development – providing children and families opportunities to change their lives through building positive well-being, higher academic performance, and less involvement in risky behaviors. Using nature, our high-quality and diverse staff nurtures participants in life-changing activities that strengthen values, build lasting life skills, and empower youth to explore life's possibilities. This poster will share an overview of the partnership, program, and recent community and sustainability initiatives. Partnerships within Ohio State and OSU Extension, as well as with the community and local organizations and institutions, will be demonstrated.

Authors: **Nate Arnett** – OSU Extension educator/director, Adventure Central; **Crystal Sheppard** – OSU Extension program coordinator; **Angela Collie** – OSU Extension program coordinator

Inter-institutional Partnerships Bridging the Gap Between Health and Language (poster 29)

Three institutions (a social service agency, a school of nursing, and a mid-sized Jesuit university) partner together to offer bilingual health and wellness programming for a diverse group of low-income women. This collaboration has developed organically, and it has grown gradually to include undergraduate Spanish students, medical students, and nursing students. We will present the results of student and participant satisfaction surveys, which highlight the many ways all parties have benefitted from this partnership. Audience takeaways include how to make service learning sustainable for both academic institutions and community partners, involve students of various levels in the same opportunity, and more efficiently make use of human resources. Crucial to our success has been open and frequent communication and combining our distinct skills/expertise.

Authors: **Christina Garcia** – assistant professor of Spanish, Saint Louis University; **Eileen Wolfington** – coordinator of Health and Wellness Program, Kingdom House; **Barbara Whitaker** – instructor, Goldfarb School of Nursing

Move with the Mayor: A Community Collaboration (poster 30)

The Move with the Mayor (MWTM) initiative provides city mayors and leaders with an opportunity to address their community's health and well-being. The purpose of MWTM is for a mayor to lead walks in various locales around their cities, improve residents' and employees' heart health, increase engagement in physical activity, and strengthen a community's culture of health. The City of Columbus, along with Ohio State and Office of the Chief Wellness Officer, coordinated four community walks throughout September. City employees, residents, and students as well as Ohio State faculty, staff and students were invited to participate in the walks.

The poster will share the experiences and outcomes of the MWTM walks.

Authors: **Megan Amaya** – assistant professor of clinical practice, Ohio State College of Nursing; **Berndatte Melnyk** – chief wellness officer and dean, Ohio State College of Nursing

Schools Matter, but So Do Communities: How to Bring Schools and Communities Together (poster 31)

The DC Public Charter School Board (DC PCSB) is the sole public charter school authorizer in Washington, DC. We provide oversight to 123 public charter schools that are located across the city and educate more than 47,000 students. As the number of schools and students who attend public charter schools continues to grow, it becomes imperative for DC PCSB and our portfolio of public charter schools to be aware of and sensitive to community needs. We want public charter schools to remain a positive choice for families across the city for decades to come. The poster will highlight DC PCSB's community engagement efforts during the last three years – our community engagement plan, best practices, lessons learned, and continued challenges. The poster will also overview how two DC public charter schools – both looking for new school buildings – proactively managed community issues, and built strong relationships with their respective communities as a result.

Author: **Nicole Newman** – senior community engagement specialist, DC Public Charter School Board

HIV Testing in a Small Free Clinic (poster 32)

New Life Ministries operates a small, free clinic every Sunday morning from 7 to 9am. The organization sees anywhere from 10 to 30 patients, many of who are homeless, unemployed, or uninsured. The patient population encompasses immigrant populations and intravenous drug users. Given the accessibility of HIV testing supplies, and the growing patient population who would benefit from testing, we propose the inclusion of HIV testing at New Life Free Clinic, utilizing either the antibody test or the combination antibody-antigen test. The ability to test patients for HIV at a clinic that may be their only point of contact with health care is invaluable. Patients who test positive would be given information to follow up with an appropriate clinic that may be able to better serve the patient's health care needs.

Authors: **Celynn Vaughn** – pharmacy student, Ohio State College of Pharmacy; **Anna Haas-Gehres** – responsible pharmacist, New Life Free Clinic, clinical assistant professor, Ohio State College of Pharmacy

The LiFEsports Initiative Service Learning Course: A University-Community Partnership (poster 33)

The Learning in Fitness and Education through Sport (LiFEsports) Initiative at Ohio State has partnered with a local school district and YMCA to create a high school service learning course. Alongside YMCA site leaders, high school students implement sports-based positive youth development (SB-PYD) curricula created by the

LiFEsports Initiative at the before-school program at two local elementary schools. Through this model, youth of varying ages are able to benefit from SB-PYD through growth in leadership, sport skills, and social skills such as self-control, effort, teamwork, and social responsibility (SETS). The poster will outline the unique partnership created and how it works to foster health and wellness and create resilient youth in the Columbus community.

Authors: **Erica Magier** – doctoral student, Ohio State College of Social Work; **Tasha Henderson** – graduate student, Ohio State College of Social Work; **Rebecca Wade-Mdivanian** – director of operations for the LiFEsports Initiative, Ohio State College of Social Work; **Dawn Anderson-Butcher** – professor, Ohio State College of Social Work

Developing Today's Youth Leaders to be Tomorrow's College Graduates (poster 34)

The LiFEsports Youth Leadership Academy (YLA), first implemented in 2013, is designed to support high school youth who participated in the LiFEsports summer camp to achieve entrance and graduation into college and/or post-secondary educational opportunities. After five years of program implementation, two Ohio State faculty members worked with program staff to design and implement a series of focus groups to gather feedback from mentors, activity facilitators, and the youth themselves about the impact of the program, opportunities for program improvements, and program successes. This poster will present the findings from these program evaluation focus groups and how program staff utilized this data to enhance the overall YLA logic model and add additional program design features. Strategies also will be shared for aligning key community partners to focused impact areas within the logic model and program design.

Authors: **Rebecca Wade-Mdivanian** – director of operations, LiFEsports – OSU Extension; **Stephen Moore** – program manager, LiFEsports – OSU Extension; **Dawn Anderson-Butcher** – professor, Ohio State College of Social Work; **Jerome Davis** – director of staff professional development, Ohio State Department of Athletics; **Alicia Bunger** – associate professor, Ohio State College of Social Work

Ohio Military Kids: Building the Resilience of Military Youth (poster 35)

Ohio Military Kids (OMK) is a joint effort between OSU Extension 4-H youth development and Ohio National Guard Family Readiness and Warrior Support. OMK activities offer a positive opportunity to meet other children who face the unique family situations, stresses, and successes of a military family. Learn what OMK offers including camps and workshops, as well as the resilience developed by military youth who participate in our programs. Visit the OMK poster to see how to refer military families to our local resources, learn how you could become a volunteer, and how we, as a community, can support those families who bravely serve our country.

Authors: **Kayla Oberstadt** – 4-H program manager, OSU Extension; **Theresa Ferrari** – OSU Extension specialist, 4-H youth development; **Alexis Howell** – 4-H student assistant, OSU Extension; **Heather Corson** – 4-H student assistant, OSU Extension

Into the Barn and Out of Trouble, Connecting Juvenile Court Youth to the 4-H Program Through a 4-H Club Experience (poster 36)

Connecting teens in the juvenile court system to caring adults and community programs is a challenge. However bringing the youth to 4-H lays the foundation to begin relationship building, networking, community awareness, life skills development, and increase success for the future. There was a need for youth in the juvenile court community service program to engage in a community organization after participating in mandatory community service hours. Youth ages 12-18 were required to complete service because of truancy, supervision or probation. Students entering the program had little or no support networks. The 4-H members had limited access to activities outside of school due to lack of support from home and financial resources. A partnership between OSU Extension and the Clinton County Juvenile Court established a program for youth to begin learning how to be an active participant in the community while participating in a pro-social activity.

Author: **Tracie Montague** – OSU Extension educator, 4-H youth development

The Role of Manager Support in a Workplace Wellness Champion Program (poster 37)

Workplace wellness champions have been proposed as a high-reach strategy to generate positive health outcomes, reduce health care costs, and increase productivity among employees. They facilitate these outcomes by increasing participation in workplace wellness programs (WWPs), promoting a culture of wellness, and positively impacting healthy lifestyle behaviors among employees. Studies show that with proper training, support and ongoing guidance, peer support programs like WWPs can promote employee well-being. Our study 2019 Community Engagement Conference – Partnering for a Resilient and Sustainable Future

found that the level of support wellness champions received from their direct manager impacted their level of engagement in efforts to improve their colleagues' health and well-being. As employers look to impact the health and productivity of their employees, and generate cost-savings, organizational leadership and manager support of wellness champion teams has the potential to increase employee engagement in WWPs.

Authors: **Lauren Battista** – wellness program manager, Buckeye Wellness/Ohio State College of Nursing;

Megan Amaya – director of health and wellness, Buckeye Wellness/Ohio State College of Nursing; **Leah Mitchell** – benefits and wellness analyst, Huntington National Bank; **Bernadette Melnyk** – vice president for health promotion and university chief wellness officer, dean and professor, Ohio State College of Nursing; **Rebecca Andridge** – associate professor, Division of Biostatistics, and co-director, Ohio State Public Health Honors Program; **Gail Kaye** – associate professor, clinical public health, and director of undergraduate programs, Health Behavior and Health Promotion

Making Ohio State a More Bicycle-Friendly Campus (poster 38)

Making Ohio State a more bicycle-friendly campus will benefit not only bikers around campus, but can also aid in decreasing emissions around campus and congestion caused by cars. This modification to campus will require planning for infrastructure, education, encouragement, and enforcement for bicyclist and motorists. Due to current infrastructure and monetary constraints, this must be carried out in the most cost-effective manner. We will present our research for a conceivable and practical path to become a gold-level accredited university, which would be an increase from Ohio State's current bronze-level status. We will also benchmark this from other universities who have already received higher level accreditations from the League of American Bicyclists.

Authors: **Colette Naples** – undergraduate student, Ohio State School of Environment and Natural Resources; **Wuyang Hu** – professor, Ohio State Department of Agricultural, Environmental and Development Economics; **Myra Moss** – professor, OSU Extension; **Jackie Altschuler** – undergraduate student, Ohio State School of Environment and Natural Resources; **Nathan Frelka** – undergraduate student, Ohio State School of Environment and Natural Resources; **Quizhang Wu** – undergraduate student, Ohio State School of Environment and Natural Resources; **Reel Chaudahri** – undergraduate student, Ohio State School of Environment and Natural Resources

Partnership of a P.L.A.N. – Postsecondary Linking Advocacy and Navigation at Ohio State for Young Adults' Growth and Resiliency (poster 39)

P.L.A.N. (Postsecondary Linking Advocacy and Navigation) is a cross-collaboration between Ohio State's Nisonger Center Ace! program and Dublin City Schools' postsecondary education program, PATHS. This partnership represents a transition-learning activity that will support employment, education, and independent living outcomes. The benefit of linking students with disabilities still receiving school-based services with students with disabilities receiving college-level support allows for networking, skill building, and discovery of post-school success. Citizenship, resilience, independence, and creative problem-solving are at the forefront of this partnership. Together, we find opportunities to foster organic learning environments that will engage, excite, and ultimately captivate all students into learning.

Authors: **Karen Krainz Edison** – program manager, Nisonger Center; **Katie Sochor** – intervention specialist, Dublin City Schools

Selecting Foods for Meetings and Conferences – Strengthening Nutritional Resiliency and Sustainable Food Systems through Key Partnerships (poster 40)

Nutrition is central to human resiliency. Nutritional fitness helps individuals maintain a healthy weight and avoid diseases that affect physical and cognitive functions. Leading causes of preventable death are related to diet and obesity. Decisions about which foods and beverages to serve at organization meetings create opportunities to cut costs, benefit local economies, encourage healthy eating, meet consumer preferences, and maintain productivity. Many individuals perceive planning menus and finding local foods as time-consuming, costly, and something dictated by caterers. However, through key partnerships, they can overcome these challenges. The National Farm to School Network (NFSN) worked with caterers at venues in Texas, Wisconsin, and Ohio to serve local foods AND meet nutritional recommendations at their conferences. Case studies of NFSN successes and their partnerships with Extension, state agencies, and others will explain strategies for healthier event menus.

Authors: **Carol Smathers** – assistant professor, OSU Extension, family and consumer sciences; **Amy Fovargue** – OSU Extension program coordinator; **Tracey Starkovich** – operations and events manager, National Farm to School Network

Engaged Teaching Posters

Youth-Adult Partnerships for Health Advocacy (poster 41)

Through intentional youth-adult partnerships, youth can effectively help increase support for, recommend, and argue to promote causes and policies that support healthful options and behaviors. Specifically, youth in the health advocate role can identify healthy behaviors, formulate and implement action plans, and generate positive impacts for themselves and their communities. The Ohio 4-H Healthy Living Advocate (HLA) program is based on a youth-adult partnership model in which informal or formal relationships are designed to foster equity. Program leaders are committed to understanding the teen members' needs, ensuring trust, and providing leadership and teaching responsibilities that leverage the teens' strengths for mutual benefit. Successes are disseminated widely in reports, social media, broadcast media, and other communications. This poster highlights partnership principles in the HLA program and suggests strategies for enhancing youth-adult partnerships for health advocacy.

Authors: **Carol Smathers** – assistant professor, OSU Extension; **Theresa Ferrari** – professor and OSU Extension specialist, 4-H youth development

Lower Extremity Injury Prevention – Building Community Awareness and Safety in Sport (poster 42)

Youth sports have seen a considerable increase in participation during the past decade. While there are significant health and wellness benefits to involvement in sport activities, there is inherent risk of lower extremity (LE) injury included in participation of these activities. Some risk factors for a LE injury cannot be changed. However, even the greatest athletes may have modifiable risk factors, such as poor neuromuscular control, that can be addressed with proper identification and training protocols. Ohio State Sports Medicine has developed a unique program, rooted in extensive research of athletes' movement patterns, to improve core movement patterns and maintain health. Our vision is to improve community awareness and accessibility of this program to foster improved movement patterns and decrease the modifiable risk factors associated with LE injury risk.

Authors: **Joann Walker** – physical therapist, Ohio State Sports Medicine–Rehabilitation; **Caroline Lewis** – physical therapist, Ohio State Sports Medicine–Rehabilitation; **Vince O'Brien** – athletic trainer, community outreach coordinator, Ohio State Sports Medicine

21st Century Engagement: A Skillset and Growth Mindset for Engaging Communities (poster 43)

Community well-being and health are directly linked to how we address our changing environment, the socioeconomic conditions, and the automating workforce. Societal challenges are demanding new partnerships to develop new community engagement tactics that strengthen these connections between our natural environment, our educational institutions, and the economy. Themes are emerging around sustainability and resilience; but to find effective solutions in these areas, we must acquire the knowledge, skills, and a mindset that brings forth a 21st century engagement program that keeps our practitioners and educators relevant to their communities' needs. My intention is to provide background and resources for engagement in a technology-driven, digitizing world that is on the onset of the 4th Industrial Revolution.

Authors: **Meghan Thoreau** – OSU Extension educator, community development/STEM

Quality Assurance: Procedures for Enhancing Project Sustainability (poster 44)

Quality assurance provides a valuable model for evaluating the efficacy of and sustaining community partnerships and projects. Learn about principles and concrete examples of the use of quality assurance tools in several projects, including application to the development of faculty grant proposals.

Authors: **Ryan Kapa** – postdoctoral researcher, Center on Education and Training for Employment, College of Education and Human Ecology; **David Julian** – program director, Center on Education and Training for Employment, Ohio State College of Education and Human Ecology; **Keli Bussell** – graduate research associate, Center on Education and Training for Employment, Ohio State College of Education and Human Ecology; **Alexis Little** – doctoral student, Center on Education and Training for Employment, Ohio State College of Education and Human Ecology; **Melissa Ross** – program director, Center on Education and Training for Employment, Ohio State College of Education and Human Ecology

Emotional Intelligence at Work: Because There is More Than Just IQ (poster 45)

In the work environment, it is important to work well as a team, whether it's colleagues, adults, teens, or youth. These skills are often referred to as social and emotional intelligence. This poster will provide an overview of a curriculum developed related to emotional intelligence. Learn about emotional intelligence, and walk away with the lessons to take back and utilize in your own community.

Authors: **Hannah Epley** – OSU Extension specialist; **Crystal Ott** – OSU Extension program coordinator; **Katie Feldhues** – OSU Extension educator, 4-H youth development

Constructing and Chunking: Writing Fact Sheets for Understanding (poster 46)

Extension brings research and knowledge directly to the citizens of Ohio so they can use scientifically-based information to better their lives, businesses, and communities. However, with many Ohioans struggling with literacy, writing fact sheets with technical information this is understandable can be a daunting task. Learn about writing techniques to make technical information readable and understandable for a broad audience. Constructing takes complex, technical information and creates a learning structure for the reader. Chunking helps the reader identify central concepts and build understanding. Examples will be used from OSU Extension publications to show how constructing and chunking can help reader understanding.

Author: **Cindy Folck** – OSU Extension program manager, agriculture and natural resources

Collaboration in Studying School-Based Teacher Teams: A Needs Assessment (poster 47)

How can public PK-12 school districts engage with university researchers to direct school reform efforts? How can we collectively foster and sustain teachers' professional learning with current educational research? This project demonstrates a model of collaboration through participant expertise and situational knowledge, shared resources, and relational strength that exemplify collaborative research and relevant practice. This project was a school-university partnership based in mutual trust and stakeholder input. A central Ohio school district and an Ohio State doctoral candidate engaged in a seven-month collaborative study using a needs assessment framework. Diverse perspectives on contextual data provided joint interpretation and ownership of the data. The collaborative action research project looked closely at teacher-based teams focused on professional development of curriculum and pedagogy knowledge and skills.

Authors: **Brittany Collier-Gibson** – faculty in Educational Teaching and Learning, Ohio State at Lima; **Shanel Henry** – executive director of instructional services, Bellefontaine City Schools

Placemaking in Scioto County, Ohio: Designing a Traveling Exhibit to Spark Dialogue (poster 48)

This poster showcases the process of creating the Placemaking in Scioto County, Ohio traveling exhibit, a collaborative public project between Ohio State's Center for Folklore Studies' (CFS) Ohio Field School (OFS) initiative, Shawnee State University Clark Memorial Library, and community partners in Scioto County. Learn how residents of Scioto County create a sense of place in a changing environment by engaging everyday cultural practices that respond to and transform their communities. This represents a culmination of long-term fieldwork, research, and service engaged within an Appalachian Ohio county that is in the midst of community-based revitalization efforts to combat the impacts of deindustrialization, corporatization, and the opioid epidemic. The exhibit intentionally highlights the local collaborative synergies and grassroots initiatives that are (re)creating a resilient and sustainable Scioto County from the ground up.

Authors: **Cassie Patterson** – assistant director and director of the Folklore Archives, Ohio State Center for Folklore Studies; **Cristina Benedetti** – public folklorist for the Ohio Field Schools, Ohio State Center for Folklore Studies; **Grace Peach-Storey** – SNAP-Ed program assistant, OSU Extension – Scioto County; **Sophia Enriquez** – graduate student, musicology; **Jenny Richards** – naturalist, Shawnee State Park

EFNEP: Celebrating 50 Years of USDA-NIFA Funded Nutrition Education (poster 49)

In 2019, the Expanded Food and Nutrition Education Program (EFNEP) will celebrate 50 years of effective, evidence-based, nutrition education programming in communities throughout the United States. This poster will highlight the program's history, purpose, strengths, impacts, and partnerships (nationally and locally, past and present), and how EFNEP has played a role in building well-connected communities for the past 50 years. It will also highlight how the program contributes to improving social, economic, and environmental conditions by

providing free nutrition education to limited-resource families (thus cultivating a culture of health). In doing so, we also promote skills to enrich healthy relationships and strengthen families, because healthy families are strong families. EFNEP does more than share nutrition information; EFNEP changes lives, families, communities, and organizations, and we want to celebrate these accomplishments.

Authors: **Amy Habig** – EFNEP program specialist, OSU Extension; **Zoe Fawcett** – EFNEP research associate, OSU Extension; **Amy Hollar** – EFNEP program specialist, OSU Extension; **Kristen Matlack** – EFNEP program specialist, OSU Extension; **Nancy Lyons** – EFNEP program specialist, OSU Extension

The Appalachian Table – Where Local Food Producers and Buyers Meet (poster 50)

Demand by consumers for locally- and sustainably-produced foods continue to grow. However, many local food producers looking to expand beyond direct-to-consumer markets find it difficult to connect with and navigate the various market channels including restaurants, grocers, wholesalers, and institutions. Likewise, the buyers of these market channels have difficulty identifying and connecting with producers who can meet their needs for locally-produced foods in a manner and quantity that is suitable for their business. This poster will share a best practice that can be replicated throughout Ohio to facilitate meaningful connections between local food producers and local food buyers. Learn how the event was developed and delivered, best practices for holding a successful event, and how such an event can provide positive impacts for your local food producers, buyers, and consumers.

Authors: **Christie Welch** – direct marketing specialist, OSU South Centers; **Ivory Harlow** – program specialist, CFAES Center for Cooperatives; **Hannah Scott** – program manager, CFAES Center for Cooperatives

Beyond the Classroom: Translating Course Content into Active Community Engagement (poster 51)

Upper-level language/linguistics courses present opportunities for students to learn about language in a way that shapes their social perspectives. We propose an approach to pedagogy that equips students to question the validity of standard language ideologies and think critically about their social implications. Learn about real-life examples of non-standard language forms, the social groups with whom these forms are associated, and why they are subject to linguistic prejudice. By examining their own linguistic attitudes, and guided by the principle that attitudes about language are really attitudes about people, students develop a better understanding of how racism, classism, and other sources of inequity relate to the stigmatization of linguistic forms and are empowered to put this knowledge into practice for the betterment of their communities.

Authors: **Mark Hoff** – graduate student, Ohio State Department of Spanish and Portuguese;
Kendra Dickinson – graduate student, Ohio State Department of Spanish and Portuguese

Agriculture in the Community (poster 52)

With two audiences in Clermont County and Greene County, urban and rural, it is important to address the needs that are provided by agriculture and the community and how they work together to provide the necessary resources for everyday life. Clermont and Greene counties have a diverse audience that attends the county fair: rural, urban and suburban. To educate the audience, posters (about Ag in the Community) were created with facts from USDA agriculture statistics, county statistics, and various commodity organizations to educate the public on agriculture, natural resources, and community development. Each poster has a QR code or barcode, which can be scanned with a smart device linked to an online blog page for data collection. The target audiences were the public and exhibitors who attended the Clermont County fairs in 2015 through 2018 and the Greene County fair in 2018.

Authors: **Trevor Corboy** – OSU Extension educator, agriculture and natural resources, Greene County;
Gigi Neal – OSU Extension agriculture and natural resources educator, Clermont County

Summer Linguistics Camp: Meeting the Needs of High School Students and Encouraging Linguistics as a Scientific Field of Study (poster 53)

The Summer Linguistics Institute for Youth Scholars offers intensive one-week courses in linguistics to high school students from the United States and around the world. The Department of Linguistics partners with these students and foreign language consultants to introduce the scientific study of language. The Institute meets the needs of students with a special interest in language that high schools are not ordinarily well-positioned to meet,

by providing instructors with deep understanding of language and linguistics, opportunities to interact with speakers of other languages, and a chance to be part of a community of similarly interested peers. The program also provides students with an introduction to university life. The Institute meets Ohio State's needs by providing summer funding to multiple graduate students, recruiting undergraduate students, and exposing linguistics to the community. Participants come have come from Korea, China, the United Kingdom, as well as all parts of the United States; and many return as Ohio State students.

Authors: **Julia McGory** – program specialist, Ohio State Department of Linguistics; **Jefferson Barlew** – lecturer, Ohio State Department of Linguistics

Shaping Trauma into Art: Creative Writing for At-Risk Youth (poster 54)

Creative writing has become a tool in recovery for at-risk youth who have experienced trauma. Many have experienced poverty, homelessness, low self-worth, addition, rape, and/or sex trafficking. Through creative writing, they learn to shape their trauma into art that is often both painful and beautiful. The authors will present their story of working with teenage girls in a residential treatment facility, Foundations for Living. This creative writing program offers a safe space where the teenage girls write and read their stories, receive validation of their struggles and growth, and have the assurance that no matter how dark their stories, those stories do not define who they are or can be.

Authors: **Darlene Slack** – senior lecturer, Department of English, Ohio State – Mansfield; **Ashley Bierman** – student writing tutor/social work student, Ohio State – Mansfield