

Community Engagement Conference

Partnering to Advance Health and Wellness



The Ohio Union
at Ohio State University

#osuengages

Poster Abstracts

Conference attendees will attend professional development and networking opportunities related to supporting health and wellness in communities, 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 the Office of Outreach and Engagement, Ohio State University Extension, the Discovery Themes Initiative, The Ohio State University Alumni Association, the Office of International Affairs, the Office of Research, the Office of Student Life, University Libraries, and the Ohio State Wexner Medical Center.

There are three poster presentation categories: Engaged Teaching, Engaged Research and Engaged Service. The first author listed will present at the **Poster Forum on Wednesday, January 24, 2018 from 2:45-3:45pm**. Additional authors presenting at the forum are indicated with an * after their name.

Engaged Teaching Posters

Connecting Kids, Farmers and Foodies: Local Foods Kids Cooking Camp (poster 1)

The Local Foods Kids Cooking Camp has taught 85 children during the past five years to cook simple recipes using locally raised and processed ingredients. This is a collaborative effort between OSU Extension in Coshocton County and Local Bounty Coshocton, LLC, a year-round farmers' market. The program began in 2013 with a grant from the Columbus Foundation. There have been 16 different instructors for the Cooking Camp including Local Bounty vendors (farmers, bakers, beekeepers, cheesemakers), Local Bounty supporters (local foodies), and OSU Extension staff. The Cooking Camp has taught children basic cooking skills, food safety, nutrition, and above everything else, allowed them to try new foods in a safe and fun environment. Evaluation feedback from parents and caregivers indicates the Cooking Camp was a valuable experience for their children. This is a fun program that engages multiple audiences with the goal of promoting healthy and fresh local foods.

Author: Emily Adams – educator, OSU Extension

Community Partnership to Improve Children's Oral Health (poster 2)

Despite improved oral health during the past two decades, oral disease remains a significant health problem for certain U.S. populations. One sub-group at even greater risk for oral disease and lack of access to dental care are Head Start children. Head Start program performance standards state that programs must determine each child's oral health status within 90 days of entry into the program. Through partnerships with Columbus Dental Society, the Ohio State College of Dentistry and YMCA Head Start, dental students were engaged in providing the necessary dental exam for children at Head Start sites.

Author: Homa Amini – professor of clinical dentistry, College of Dentistry

Adventure Central: Partners in Positive Youth Development (poster 3)

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 with 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. Through this poster presentation, we desire to share an overview of the partnership, program and recent initiatives. Partnerships within Ohio State and Extension as well as with the community and local organizations and institutions will be demonstrated.

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

Family Engagement: Adventure Central's Healthy Response to a Common Program Challenge (poster 4)

A common concern for youth service providers is effectively engaging adequate parental support. Providers cite challenges communicating parent expectations and having parents demonstrate success in fulfilling those expectations. Providers recognize involving families in children's learning is key to academic achievement and overall health. Adventure Central, a partnership for positive youth development between Five Rivers MetroParks, Ohio State University Extension and 4-H has developed multiple strategies to involve families in their after-school program and has seen growing success. Specific efforts include mandatory annual parent meetings, regular family engagement programs, utilization of a parent progress report, and staff participation in self-evaluation and continuous improvement plan of family engagement efforts as part of a community collaborative initiative. This poster presentation will share successful strategies related to family engagement.

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

Joining the Conversation on GMOs, Health and Farming Practices (poster 5)

The use of genetically modified organisms (GMOs) in our food and agricultural systems continues to be a hotly debated subject. The ongoing conversations in our communities and online often contain misinformation or half-truths, and Extension professionals are often sought out as a reliable source of information. The focus of this poster presentation is on the science of GMOs, how and why they are used, and what really ends up in our food system. We will also discuss practical ways to engage in conversations with clientele based on building relationships.

Authors: **Lee Beers** – educator, OSU Extension; **Emily Adams** – educator, OSU Extension

Gardening with Youth (poster 6)

This program was a collaboration between OSU Extension agriculture and natural resources, 4-H youth development, Supplemental Nutrition Assistance Program – Education, Scioto County Soil and Water Conservation District, Findlay Manor Retirement Center, and the 14th Street Community Center to establish a youth community garden program. On average, 90 underserved youth participate in the intergenerational program daily. Educators teach children at the garden site three times a week in-season where they plant, weed, water and tend to the garden. Children are also taught nutrition and eating healthy. A program impact survey indicated youth learned how to plant a garden, the importance growing their own food, how to work together as a team, and the importance of nutrition and healthy eating. They reported trying new fruits and vegetables, learned the benefits of physical activity; how to follow directions, and they learned a sense of community pride.

Authors: **Brad Bergefurd** – educator, agriculture and natural resources, OSU Extension; **Lisa Kepler** – SNAP-Ed program assistant, OSU Extension; **Josi Brodt-Evans** – educator, 4-H youth development, OSU Extension; **Grace Peach-Storey** – SNAP-Ed program assistant, OSU Extension

STEAM on the Quad (poster 7)

STEAM on the Quad is a family-oriented educational program, initiated in 2016, involving K-12 youth. Participants did hands-on activities that improved their knowledge and interest in the science, technology, engineering, arts and math fields. The event is a collaborative project between Ohio State – Lima and OSU Extension. The 4-H programs of Putnam, Hardin and Allen counties hosted activities that featured Bluetooth sports, Lego zip lines, virtual reality, graphics tablets, solar panels, sculpture building, hovercrafts and sewing. Community partners included the Allen County Soil and Water Conservation District, ArtSpace/Lima, YWCA Child Care, the Neil Armstrong Museum, and the Lima YMCA Bean City Bots robotics team. Ohio State – Lima faculty from biology, education, engineering, and theater engaged K-12 students and their families in a variety of hands-on projects, as did Ohio State law enforcement. Ohio State staff and students aided in these activities and logistical support.

Authors: **Kelly Coble** – educator, 4-H youth development, OSU Extension – Allen County; **Jason Hedrick** – educator, 4-H youth development, OSU Extension – Putnam County; **Mark Light** – educator, 4-H youth development, OSU Extension – Hardin County; **Amanda Raines** – program assistant, 4-H youth development, OSU Extension – Hardin County; **Sarah Jackson** – program assistant, 4-H youth development, OSU Extension – Allen County

Walk with a Future Doc: Creating a Framework for Medical Student Organizations to Promote Community Health and Wellness (poster 8)

Walk with a Future Doc (WWAFD) is a community outreach organization that seeks to improve the health literacy and well-being of individuals within the Columbus community and Ohio State. We provide medical students, physicians and other health care professionals the unique opportunity to interact with community members in an informal setting. WWAFD organizes monthly walks that begin with a brief presentation on a relevant health topic and are followed by an hour-long walk. We have worked closely with Walk with a Doc (WWAD) to create a framework for medical students across the country to use when piloting similar programs in their communities. This includes FAQs, best practice guidelines, leadership position descriptions and responsibilities, and a new chapter formation framework to use when connecting with new WWAFD chapters at other medical schools.

Authors: **Anthony Fabiano** – medical student, Ohio State College of Medicine; **Kyle McAtee** – medical student, Ohio State College of Medicine; **Katherine Sentell** – medical student, Ohio State College of Medicine

Kindred Gardens: Gardening for Seniors (poster 9)

Kindred Gardens: Gardening for Seniors is a program that was recently developed to offer stimulating gardening activities to seniors through a five-part series of hands-on classes. Senior citizens represent 24 percent of the Noble County population. Although many seniors remain active and content with their lifestyles, a contrasting population depends on assistance from their families or skilled nursing staff to carry on with typical day-to-day activities. In conjunction, living on a fixed income is common, leaving little financial flexibility and few opportunities for pursuing their own interests and pleasures. A daily routine that lacks refreshing experiences and interactions can lead to isolation, depression, irritability and overall decreased quality of life. Gardening is an activity that can be immensely beneficial for senior physical and mental health. Implementing easy-to-access gardening programs in the community for seniors could be a positive influence on people's lives.

Author: **Christine Gelley** – educator, agriculture and natural resources, OSU Extension

Pike County Nutritional Sciences Field Day – The Story of the Strawberry (poster 10)

The Pike County Nutritional Sciences Field Day – The Story of the Strawberry was offered to local high school students to increase awareness and interest in health science, food science, biotech and agricultural science, basic and applied nutrition science and physiology, food production, and local food resources. The field day is original in that it uses a multidisciplinary approach to address important issues of the county and region – health, wellness, and the vocational opportunities related to agriculture, food science and health. It also original in that it uses a strawberry theme to connect the topics including genetics, nutrition, taste and economic opportunities.

Authors: **Tammy Jones** – educator, family and consumer sciences, OSU Extension – Pike County; **Daniel Remley** – field specialist, food, nutrition and wellness, OSU Extension; **Brad Bergefurd** – educator, agriculture and natural resources, OSU Extension, OSU South Centers; **Jeffrey Fisher** – educator, agriculture and natural resources, OSU Extension – Pike County; **Gary Gao** – Extension specialist, small fruits, OSU South Centers; **Carol Hamilton** – program coordinator, OSU Extension – Delaware County

Community-Based Health Center – Implementation through Year One Outcomes (poster 11)

We have partnered with Healthy New Albany to integrate their programming with our medical expertise by using state-of-the-art technologies together with primary care, integrative medicine, sports medicine and physical therapy practices. The central theme is health and wellness rather than episodic and reactive care.

Authors: **Jodi Kuri** – associate director, Rehab Services, Ohio State; **Philip Heit** – executive director, Healthy New Albany; **John Paro** – general manager, IWP

The Food Pharmacy: Educating the Underserved about Using Food as Medicine (poster 12)

Educating the underserved population about using food as medicine to manage chronic disease states such as hypertension, dyslipidemia, diabetes, or kidney/liver disease.

Authors: **Marie Latsa** – student, New Life Free Clinic; **Trenton Soukup** – student, New Life Free Clinic

Urban Communities, Clinics and Committees – A Model for Addressing Health Disparities and Building Clinician Community Engagement (poster 13)

Near East Community of Columbus is an under-served, urban community of more than 20,000 residents with many nonprofit, governmental and university partners. It has, like many inner-city communities, suffered from a history of disparities, especially health disparities. Learn about these disparities and how an active model of community consortium are addressing these disparities, while simultaneously garnering physician trainee community engagement and leadership.

Authors: **Jannel Lee-Allen** – clinical instructor housestaff, Internal Medicine; **Tim Anderson** – co-chair, NEHAC

Cultivating Community Resources to Address Language Barriers in Healthcare (poster 14)

This poster presentation describes a collaborative strategy to address language barriers in health care in central Ohio. A shortage of health care interpreters in the central Ohio region compromises the health of a significant portion of our region's most vulnerable population. A collaborative strategy implemented by South-Western City School District, The Ohio State University and Primary One Health responds to this challenge through the development of a high school career pathway program to train certified health care interpreters.

Authors: **Glenn Martinez** – professor, Ohio State; Ed Kennedy – coordinator of EL Services, South-Western City Schools; **Amy Schakat** – coordinator of career-technical education, South-Western City Schools; **Michael Schwarten** – Spanish teacher, South-Western City Schools; **Milly Valverde** – director, Interpretive Services, Ohio State

Enriching the Lives of Low-Income Youth with Physical Activity and Nutrition Education through Raised Bed Gardening (poster 15)

Behind the Boys and Girls Club building, there are seven raised-bed gardens. These beds are used for teaching underserved children of limited-resource families the art of gardening, broadening and expanding their knowledge of fruits and vegetables, increasing their awareness of healthy nutritious options, promoting physical activities, and preparing fresh produce. The students will have complete autonomy of the garden. To accomplish this, the students will decide what to grow in the beds and perform all gardening-related tasks. As a result of the program, students' knowledge and awareness of healthy food options and choosing the correct amount of active play increased. The students' aspirations and attitudes toward gardening were positive, and their horticulture knowledge and skills increased.

Authors: **Marcus McCartney** – educator, agriculture and natural resources, OSU Extension; **Sara Kroll** – SNAP-Ed program assistant, OSU Extension

Facing Takeoff: A First-Step Approach to Overcoming Flight Anxiety (poster 16)

The Center for Aviation Studies, in collaboration with, Nationwide Children's Hospital Behavioral Health Services, the Columbus Regional Airport Authority, have developed a free "Fear of Flying" course for local community members. The course is a one-day interactive session, where participants learn about aviation and strategies to reduce anxiety. The day concludes with the opportunity to experience the security process and board an aircraft with experts on hand to both comfort and inform. The primary goal of the session is to provide a starting point for those with a fear of flying, to begin to understand and eventually overcome that fear.

Authors: **Shannon Morrison** – curriculum and assessment manager, Center for Aviation Studies; **Brent Bloomster*** – psychologist, Nationwide Children's Hospital; **Shawn Pruchnicki** – lecturer, Center for Aviation Studies; **Mark Mulchaey** – manager, customer service, Columbus Regional Airport Authority; **Seth Young** – director, Center for Aviation Studies

Food Deserts, Libraries and Urban Communities; What is the Connection? (poster 17)

Food deserts, where access to fresh food is not reasonably close or affordable, exist in both rural and urban communities across the United States. Many institutions are tackling food deserts, and OSU Extension was part of an effort in Cleveland, Ohio to address a local community's effort to eradicate its food desert crisis.

Authors: **Tracey Overbey** – assistant professor, The Ohio State University Libraries; **Sherita Mullins** – director of social enterprises, External Organization: Burten, Bell, Carr Development Inc.

Extension's Dining with Diabetes: Helping People Prevent and Manage Diabetes in Ohio and throughout the Nation (poster 18)

Diabetes is a common, serious and expensive disease in Ohio, the United States and around the world. The complications of untreated or undertreated diabetes are devastating and include heart, kidney, eye and nerve diseases. Extension's Dining with Diabetes (DWD) program engages participants on the topics of healthy cooking strategies, meal planning, portion control, label reading, physical activity, and goal setting. The program is delivered as a series of four face-to-face sessions with a three-month reunion led by Extension educators partnering with registered nurses, certified diabetes educators or registered dietitians. DWD has a national curricula and evaluation, providing the opportunity to demonstrate national and state-level impact on knowledge, attitudes and skills related to diabetes management.

Authors: **Dan Remley** – field specialist, food, nutrition and wellness, OSU Extension; **Shari Gallup** – educator, family and consumer sciences, OSU Extension; **Margaret Jenkins** – educator, family and consumer sciences, OSU Extension; **Tammy Jones** – educator, family and consumer sciences, OSU Extension; **Jenny Lobb** – educator, family and consumer sciences, OSU Extension; **Susan Zies** – educator, family and consumer sciences, OSU Extension; **Marie Economos** – educator, family and consumer sciences, OSU Extension; **Chris Kendle** – educator, family and consumer sciences, OSU Extension; **Chelsea Peckny** – assistant professor, College of Pharmacy; **Joyce Riley** – educator, family and consumer sciences, OSU Extension; **Amy Meehan** – Healthy People program specialist; **Brian Butler** – evaluation specialist, OSU Extension; **Ingrid Adams** – associate professor; **Lisa Barlage** – educator, family and consumer sciences, OSU Extension; **Candace Heer** – associate professor; **Amanda Bohlen** – educator, family and consumer sciences, OSU Extension

Creating Exemplary Pharmacy Practitioners through Community-Engaged Residency Training (poster 19)

As a leader in the advancement of pharmacy practice, the Ohio State College of Pharmacy is committed to providing training programs that allow for the development of pharmacy change-agents. In addition to a state-of-the-art curriculum, the college also supports a large pharmacy residency training program. The residency program, which commenced in 1996 and is accredited by the American Society of Health-System Pharmacists and the American Pharmacists Association, includes six practice sites. At many of the sites, pharmacy residents connect with community practices and are given opportunities for community engagement. Residents provide care for the patients at these community practices and also function in a myriad of roles that support education of pharmacy students and development and implementation of practice-based research projects that contribute to the medical literature and elevate the level of patient care.

Authors: **Jennifer Seifert** – residency program director, PGYI Community Care Program, College of Pharmacy; **Kristin Casper** – College of Pharmacy; **Kay Bahrey** – PGY1 community resident, College of Pharmacy; **Kelsey Schmuhl** – PGY1 community resident, College of Pharmacy; **Kristine Mason** – PGY1 community resident, College of Pharmacy; **Laura Rowley** – community resident, Uptown Pharmacy

Hocking County 4-H Club 4th H for Health Challenge (poster 20)

Results of the 2016 4-H Healthy Living Club Practices Assessment completed by 4-H club advisors in Hocking County showed a need to focus on the 4th H in 4-H, which is health. As a result, the Hocking County 4th H for Health 4-H Club Challenge was adapted from the 4th H for Health Challenge developed by Tufts University in partnership with the 4-H Healthy Living management team and used as a tool to challenge 4-H clubs to make healthy habits the new norm during meetings. The challenge was to serve a fruit or vegetable snack at three

meetings, serve water as the primary beverage at six meetings, and do 15 minutes of physical activity at all of the club's meetings. Although all clubs were encouraged to take the challenge, participation was optional. Nine 4-H clubs submitted the 4th H for Health Challenge tracker at the end of the year. A 4th H for Health Challenge celebration was held on in October 2017 at Camp Otterbein as a reward for clubs who completed the challenge.

Author: Joyce Shriner – educator, 4-H youth development/county director, OSU Extension – Hocking County

Project OPIATE – Opiate Prevention Initiative: Action through Education (poster 21)

The causes of the epidemic of both opioid related deaths and misuse span the social ecological model; and therefore, interventions need to address the individual and the family. Lake County has a number of assets between local public health, Extension and an engaged community. Project OPIATE leverages these assets to address this issue using a peer-led intervention focusing on changing perceptions of opioid medication safety, use and misuse. The Ohio State, local public health and Extension staff will partner with community stakeholders to identify existing evidence-based education programs targeting youth and parents. Youth peer leaders will adapt and deliver a two-phase approach to increase knowledge of risk factors leading to use and misuse of opioids and increase parental awareness of medication misuse in children.

Authors: Lisa Siciliano-Miller – educator, OSU Extension; **Andy Wapner** – director, Center for Public Health Practice, Ohio State

Cooking It Up with Military Teens (poster 22)

The Cooking Matters program is a special program offered by SNAP-Ed in Ohio. Cooking Matters strives to help families, adults and teens broaden their nutrition, food shopping and kitchen skills by hands-on learning. The Greene County SNAP-Ed team partnered with 4-H to offer this program at Wright-Patterson Air Force Base (WPAFB) Prairie Youth Center for their teen summer camp. The Greene County SNAP-Ed team was able to offer two, five-week sessions of the Cooking Matters program at WPAFB. The Cooking Matters program was open to all 4-H teens at the WPAFB Prairies Youth Center. Between the two sessions, there were a total of 25 participants. The program meets the teens where they are to help build their basic cooking skills. During the five weeks, the teens build on the skills they have learned and create healthy meals using healthy ingredients.

Authors: Natalie Storie – SNAP-Ed program assistant, OSU Extension – Greene County; **Rebecca Supinger** – educator, 4-H youth development, OSU Extension – Greene County

Pills, Potions and Poisons: A High School Science Enrichment Program (poster 23)

Because drugs and disease pique students' interest, we decided that teaching science through pharmacology would provide an engaging platform for high school students to learn basic scientific concepts and increase interest in STEM-related majors and careers. We created and implemented a week-long science enrichment and career exploration program titled "Pills, Potions and Poisons." This program provides students with an overview of pharmacology and its relationship to health, disease, and society. Students learn through a variety of approaches including lecture, discussion, debate, games, laboratory visits, and hands-on experiments. In addition, students explore a variety of biomedical careers through research laboratory visits, hospital pharmacy visits and discussions with student (undergraduate, graduate, and PharmD) teaching assistants and faculty.

Authors: Katie Summers – lecturer, College of Pharmacy; **Molly Downing** – clinical instructor, College of Pharmacy

The Off-Campus Housing Excellence Program and the Importance of Partnerships in Enhancing Home Safety Education (poster 24)

The Off-Campus Housing Excellence Program is a partnership between Ohio State's Office of Student Life and the Columbus Division of Fire and is primarily founded on in-home education, whereby free home walk-throughs are conducted and provide Ohio State students and area landlords with resources and knowledge, encouraging proactive behaviors when it comes to three key areas: safety, security and sustainability. Throughout the past four years of its existence, the program has had many successes as well as challenges; and we hope to inspire others to take their ideas to the next level by sharing our best practices related to the following topics: stakeholder buy-in, university-community partnerships, student and landlord education, marketing to students and community members, and how to enhance engagement in a wellness topic like home safety.

Authors: Amanda Waples – program manager, Off-Campus and Commuter Student Services; **Teresa Lyle** – lieutenant, Columbus Division of Fire

Introduction to the Science of Cancer: A Free Online Course Designed to Help Local, National and International Communities Better Understand and Prevent Cancer (poster 25)

Introduction to the Science of Cancer (ISOC) is a free, online course presented by The Ohio State University Comprehensive Cancer Center—James Cancer Hospital and Solove Research Institute (OSUCCC—James), and by Ohio State’s Office of Distance Education and eLearning. It is designed for people who have a limited understanding of science, but who want a better understanding of cancer. Its goal is to foster improved cancer-prevention efforts by individuals, communities and nations. In five modules and more than 40 videos, OSUCCC—James oncologists and researchers explain the nature of cancer, diagnosis, treatment and prevention, and cancer research in user-friendly terms. The full or partial course taken online, in the classroom or as a workshop can be particularly useful to cancer survivors and caregivers, teachers and hospital staff, health writers and editors, social workers, community health workers, and political leaders responsible for public-health spending.

Authors: **Darrell Ward** – associate director for cancer communications, OSUCCC—James; **Thomas Evans** – manager for open learning, Office of Distance Education and eLearning; **Marisa Manocchio** – teacher, math and engineering, Bio-Med Science Academy STEM School

Assessing Your Community for Horticulture Education Programming (poster 26)

Community assessments are an important, useful tool for program planning and community involvement with horticultural education and community gardens. The assessments are more than asking questions; they involve multiple forms of data collection from listening sessions to analyzing census data. It involves working with a wide range of organizations and institutions to gather information that represents the entire community. Learn how community assessments were used in Ohio to provide direction for county Master Gardener Volunteer programs – including details of why planning matters, what is a community assessment, how to conduct one, examples from the field, and results from a survey and discussion with county coordinators across the state.

Authors: **Eric Barrett** – assistant professor, OSU Extension; **Brian Raison** – assistant professor, OSU Extension

Engaged Research Posters

Reducing Barriers to Entry for the Direct Sales of Local Foods in Ohio (poster 27)

Ohio ranks in the top 10 states for direct farm sales. When making direct sales, growers and marketers are voicing concerns regarding barriers to entry. In most cases, this relates to the sales of eggs, meats and cottage foods. Current laws, rules and interpretations vary significantly. Growers in one county face steeper costs for licensing and equipment than others. Several colleges at Ohio State partnered to combat the issues. Four themes were identified as a result of the project. These include: 1) confusion about regulations and oversight that needs to be addressed; 2) issues relating to food safety direct marketing sites; 3) education is needed, possibly in a one-stop shop location for producers; and 4) the need for a farmers’ market manager certification to address other issues. This poster will share the project’s findings to address the issues and possible changes which could help reduce barriers to entry for Ohio’s growers and marketers.

Authors: **Eric Barrett** – assistant professor, OSU Extension, Mahoning County; **Peggy Hall** – assistant professor, OSU Extension; **Emily Adams** – educator, OSU Extension

Discovery at Ohio State: Foods for Health (poster 28)

The Ohio State University Foods for Health Discovery Theme. **Vision:** Foods and nutrition for healthier individuals and communities. **Mission:** To create a healthier future for individuals and populations through the application of scientific approaches integrating foods and nutrition, metabolomics and health. **Impact:** Many costly and preventable chronic conditions – heart disease, stroke, cancer, diabetes, hypertension and obesity – are affected by diet. In addition, inadequate nutrition is a major cause of developmental delays and death worldwide. A healthier future is possible with discoveries that personalize prevention and medical care. Insights from metabolomics will contribute to development of personalized dietary recommendations, strategic design of novel foods, and nutritional interventions that promote wellness and decrease risk of disease and its severity.

Authors: **Besma Abbaoui** – program manager, Foods for Health Discovery Theme; **Laura VanArsdale** – project coordinator, Foods for Health Discovery Theme; **Mark Failla** – interim faculty lead, Foods for Health Discovery Theme; **Kamal Aboshamaa** – executive director, Foods for Health Discovery Theme

The Impact of Million Hearts Screening and Education in Ohio Adolescents (poster 29)

Many lifestyle behaviors that contribute to or reduce risk for chronic disease and disability in adulthood are developed in adolescence. The Ohio Adolescent Health Partnership, in collaboration with the Ohio Department of Health and Child Health Program, identified behavioral health, physical activity and nutrition as key areas for their 2013-2020 strategic plan to improve adolescent health. The Million Hearts initiative, a national, evidence-based intervention from the Department of Health and Human Services, promotes the ABCS(S), which are strategies to improve physical and mental health. The Ohio State College of Nursing, in partnership with Ohio State health sciences college students and faculty, provided state of Ohio adolescent community residents with a Wellness on Wheels event, to screen and educate Ohio adolescents on the Million Hearts ABCS(S) intervention components and importance of self-care through healthy eating, physical activity and stress reduction.

Authors: **Megan Amaya** – assistant professor of clinical practice, College of Nursing; **Kate Gawlik** – assistant professor of clinical nursing, College of Nursing; **Bernadette Melnyk** – dean, chief wellness officer, College of Nursing

Lessons Learned from the LiFEsports Initiative: Facilitators and Barriers to Successful Community Partnerships (poster 30)

The Learning in Fitness and Education through Sports Initiative at The Ohio State University (LiFEsports) fosters community positive youth development (PYD). Each year, LiFEsports serves more than 900 youth through programs such as the LiFEsports summer camp and the LiFEsports clinics. Due to valuable partnerships, LiFEsports has been able to positively impact the health and wellness of Columbus city youth. University partners, such as the department of Athletics, Recreational Sports and the College of Nursing, provide resources that directly impact youth outcomes. Community partners including Dannon and Marathon kids help showcase the important of healthy lifestyle choices and habits that begin in childhood. Sharing the experiences of LiFEsports, the poster will assist the audience in fostering partnerships in relation to their own organizations and programs. Partnerships will highlight a range of impact on the health and well-being of 900+ youth each year.

Authors: **Dawn Anderson-Butcher** – professor, College of Social Work, LiFEsports, CAYCI; **Jerry Davis** – executive director of service and outreach, LiFEsports Initiative; **Tasha Henderson** – student research assistant, CAYCI, LiFEsports Initiative; **Carly Kimiecik** – student research assistant, CAYCI, LiFEsports Initiative; **Tarkington Newman** – graduate research associate, LiFEsports Initiative; **Stephen Moore** – program coordinator, LiFEsports Initiative

Community and Youth Collaborative Institute at The Ohio State University:

A Case Study of OCCMSI in Hamilton STEM Academy and the Linden Community (poster 31)

Learn how one Columbus school and district, Hamilton STEM Academy, are focused on improving conditions for their students through community-family-school partnerships. Hamilton's current student population consists of 99.7 percent who are economically disadvantaged and 56 percent who are chronically absent. In Hamilton, the Community and Youth Collaborative Institute (CAYCI) uses an innovative implementation framework to address the needs of the school and community: Community Collaboration Model for School Improvement (CCMSI). Initial steps included fostering buy-in and commitment from partners, collecting data from students and staff, and mapping school-based resources. Among these partners are United Way of Central Ohio, the College of Social Work, and the city of Columbus. Students, colleagues and community members may gain insight on large-scale implementation and planning strategies for improving educational and health outcomes for youth.

Authors: **Dawn Anderson-Butcher** – professor, College of Social Work; **Tasha Henderson** – student research assistant, Community and Youth Collaborative Institute: LiFEsports ; **Erica Magier** – graduate research assistant, Community and Youth Collaborative Institute: LiFEsports; **Ryan Edwards** – senior Impact director, United Way of Central Ohio; **Chris Brady** – principal, Hamilton STEM Academy, Columbus City Schools

Texting as a Health Promotion Method (poster 32)

With more than 92 percent of Americans using a cell phone, text messaging is the most used form of communication. Research shows 98 percent of text messages are opened. Studies using text messages to promote and improve health behaviors indicated text messages can help improve behaviors. The Live Healthy Live Well (LHLW) Innovate Extension 2016 team decided to test texting. During spring 2017, LHLW email challenge text messages were sent to willing participants in four counties, with four counties as a control group. During our fall Zero Weight Gain Challenge, texting was offered as an option to all participants. Besides the two challenge email messages a week, two short text messages were sent on other days. Participants

completed an online pre- and post-survey, and noted their experience with the texted messages. Results will be revealed, participant's comments shared, and texting research noted.

Authors: **Lisa Barlage** – educator, OSU Extension; **Pat Brinkman** – educator, OSU Extension; **Michelle Treber** – educator, OSU Extension; **Tammy Jones** – educator, OSU Extension; **Beth Stefura** – educator, OSU Extension; **Jami Dellifield** – educator, OSU Extension; **Joanna Fifner** – educator, OSU Extension

Barriers and Benefits to Desired Behaviors for Single-Use Plastic Items in Northeast Ohio's Lake Erie Basin (poster 33)

Given the growing saliency of plastic marine debris and the impact of plastics on beaches and aquatic environments in the Laurentian Great Lakes, applied research is needed to support municipal and non-governmental campaigns to prevent debris from reaching the water's edge. This study attempts to accomplish this goal by examining the barriers and benefits to positive behavior for three plastic debris items in north-eastern Ohio's Lake Erie basin: plastic bags, plastic water bottles and plastic cigar tips. An online survey and focus group were employed to gather data on the use and disposal of these plastic items in the Cleveland area, and to solicit recommendations on how to positively change behavior to reduce improper disposal.

Authors: **Jill Bartolotta** – Extension educator, Ohio Sea Grant; **Scott Hardy** – Extension educator, Ohio Sea Grant

The Ohio Land Exchange: Building Consensus for New Approaches to Vacant Land Reuse in Lima, Ohio (poster 34)

The Ohio Land Exchange is an action-research project that seeks to test the feasibility of a new collaborative site-planning framework in which community groups and other stakeholders jointly develop and design new approaches to vacant land reuse in cities with high levels of vacant and abandoned land. This project includes students and faculty with Knowlton School, Extension and Lima stakeholders who will introduce the program and how it has been implemented in the first city in Ohio in which this new framework has been tested.

Authors: **Nancy Bowen Ellzey** – associate professor, community economics, OSU Extension; **Mattijs van Maasackers** – assistant professor, city planning, Knowlton School; **Susan Crotty** – community development director, City of Lima, Department of Community Development; **Phil Downing** – administrator, Lima Land Bank Program; **Jeeson Oh** – graduate student, Knowlton School of City and Regional Planning

Partnering to Cultivate Healthy Eating Fanatics (poster 35)

Researchers and practitioners recommend use of engaging and interactive techniques, including hands-on experience with food, to teach about healthy eating behaviors. C.H.E.F. (Cultivating Healthy Eating Fanatics) was a food and nutrition day camp piloted in Brown County in 2017. C.H.E.F. used hands-on experience with menu planning, food budgeting, food shopping, and food preparation to teach about healthful eating behaviors and encourage participation in 4-H food and nutrition projects. Through this event, the participants were better prepared to make good food choices and prepare healthy meals. Conference participants will learn about the overall design of C.H.E.F. day camp, goals and objectives of the event, planning considerations, funding, community partnerships developed, topics covered, and evaluation data from the inaugural event.

Authors: **Christy Clary** – educator, OSU Extension – Brown County; **Theresa Ferrari** – Extension specialist, OSU Extension

Health and Wellness Outreach at the Language Sciences Research Lab (poster 36)

The Language Sciences Research Lab is a state-of-the-art research lab in the Labs in Life exhibit at COSI. The core missions of the lab are to facilitate cutting-edge language science research and promote scientific literacy and linguistic awareness in the general public. The outreach mission is achieved through interactive language science demonstrations conducted by Ohio State faculty and students. These demonstrations provide COSI visitors with the opportunity to explore scientific reasoning, data and knowledge in the context of an everyday phenomenon: human language. This poster will illustrate three of the lab's current demonstrations that have a health and wellness focus: an anatomical model of the human ear, an anatomical model of the human larynx, and the induction of a "tip-of-the-tongue" state. The demonstrations provide lab researchers with an opportunity to share their expertise in health and wellness of the human speech and language system with the public.

Authors: **Cynthia G. Clopper** – professor, Department of Linguistics; **Rachael Frush Holt** – associate professor, Department of Speech and Hearing Science; **Laura Wagner** – associate professor, Department of Psychology

The Development of a Framework for Boundary-Spanning in STEM Community Engagement: Empathy as a Key to Mutual Benefits (poster 37)

This study focuses on four areas to support mutual benefits within community-engaged science, technology, engineering and mathematics (STEM) education: a qualitative research framework in boundary spanning, barriers and initiatives synthesized from the data, important factors of effective engagement in boundary spanning, and pilot testing on specific community engagement program in an Ohio State engineering course. Community engagement in this study refers to relationship between university and external educational entities to mutually improve social, civic and ethical problems around educational outcomes. The findings provide transferable research and knowledge about boundary spanning, which involves individuals who are fundamental for providing pathways for collaboration between the academy and society, as a method of strengthening pathways for broadening participation in STEM through community engagement.

Author: David Delaine – assistant professor, Department of Engineering Education

Student Wellness Center and SMART Lab: A Student Life and Educational Studies Partnership for Engaged Research (poster 38)

The Office of Student Life Student Wellness Center and Department of Educational Studies have partnered to provide wellness services to Ohio State students. The Wellness Coaching program at Ohio State proposes a new approach to health promotion by orienting programs and services toward a holistic model of wellness that aspires to help students maximize their potential across nine dimensions (career, creative, emotional, environmental, financial, intellectual, physical, social, and spiritual). The Stress Management and Resiliency Training Lab provides a number of coaching, computer-mediated learning and group-activity services for this purpose. These two services share a space on the fourth floor of the Physical Activities and Educational Services building, which provides opportunities for collaboration and partnership. It is our hope that academic departments and student life offices can use this information to partner and provide more services to students.

Authors: Damon Drew – graduate teaching associate, Department of Educational Studies; **Blake Marble** – associate director, Student Life Wellness Center; **Mackenzie Hogan** – graduate administrative associate, Student Life Student Wellness Center

Heart of Ohio Family Health (poster 39)

Heart of Ohio Family Health consists of two federally-qualified health centers on the east side of Columbus, Ohio. Heart of Ohio's mission is to provide high-quality, holistic and sensitive care to meet the health care needs of our community, where we honor every person with loving service. Heart of Ohio serves diverse communities, with more than one-third of its patients best served in a language other than English. The Ohio State College of Pharmacy provides clinical support and on-site pharmacy services at both the Capital Park and Whitehall family health centers. Other Ohio State partnerships include coaching by Ohio State nurse practitioner students for Spanish-speaking diabetes patients through the Integrated Second Language Learning Program and The James Mobile Mammography Unit. Heart of Ohio also serves as a training site for pharmacy students and nurse practitioner students.

Authors: Andrew Faiella – clinical pharmacist, Ohio State College of Pharmacy; **Kristina Naseman** – clinical pharmacist, Ohio State College of Pharmacy

Making a Difference: Creating New Gateways to Mental Health and Wellness (poster 40)

This poster will display the results of a qualitative research study on stress to help identify the resources, services and sources of support that members of the Near East Side community prefer and desire. In all, 28 African-American adults participated in focus groups. Audiotaped recordings of the focus groups were transcribed, and themes emerged from the data. The themes of toxic stress and communal discipline will be discussed. The importance of collaboration between academic institutions and community partners through a steadfast presence in the community will be highlighted.

Authors: Elizabeth Fitzgerald – associate professor of clinical nursing, College of Nursing; **Morgan Ciehanski** – BSN honors student, Ohio State; **Caroline Buck** – BSN honors student, Ohio State; **Barbara Warren** – professor of clinical nursing, Ohio State

Maximizing Engagement Efforts to Manage Stress (poster 41)

The diverse challenges throughout The Ohio State University to reduce stress prompted a comprehensive and integrated effort to leverage the expertise from the Ohio State health plan and the Ohio State Counselor Education department. The interdisciplinary team collaborated to create a pilot program that combined stress management techniques with biofeedback technology. The six-week program included a paired-samples repeated measures design with analysis between groups (live group versus webinar group) and within groups (intervention pre- and post-scores). Three survey measures (Perceived Stress Scale, State-Trait Anxiety Inventory, and Brief Resilience Scale) and HRV coherence scores were collected. Group comparison outcomes will identify and recommend future programming. Several lessons were learned related to collaborative partnerships between the Ohio State health plan and academic departments (Counselor Education).

Authors: **Paul Granello** – associate professor, counselor education, Ohio State; **Stefanie Morrow** – director, wellness and health coaching, OSU Health Plan; **Laura Peterson** – manager, health coaching, OSU Health Plan; **Greg Schwitzgable** – YP4H health coach, OSU Health Plan; **Damon Drew** – graduate associate, OSU Stress Management and Resiliency Training (SMART) Lab

Nisonger Center Partnering to Promote Health and Wellness of Individuals with Intellectual and Developmental Disabilities (poster 42)

Children and adults with intellectual and developmental disabilities (IDD) have significant developmental and health care needs, and they face disparities in health and access to health care compared to people without disabilities. The Ohio State University Nisonger Center is committed to improving the health and wellness of Ohioans with developmental disabilities through research, clinical services and training. We engage with community partners to increase community awareness of the health needs of people with disabilities, integrate health promotion programs into existing community structures, and provide disability training to future health care providers. We will present four innovative community engagement programs.

Authors: **Susan Havercamp** – associate professor of psychiatry, Psychology, and Genetic Counseling/director, Ohio Disability and Health program/director, Nisonger Center Health Promotion and Healthcare Parity Program, Nisonger Center; **Danielle Johnson-Curry** – assistant professor, General Practice and Material Science/director, Nisonger Center Dental Program, Nisonger Center; **Paula Rabidoux** – Nisonger Center associate director, LEND co-director, Nisonger Center; **Tamara Hager** – fiscal officer/manager of Outreach and Engagement, Nisonger Center

Food For a Long Life: A Local Case Study of Community-Based Participatory Action Research (CBPAR) (poster 43)

The Food For a Long Life (FFLL) project is a five-year, USDA-CYFAR (Children, Youth and Families At-Risk) project that aims to reduce food insecurity among young children and their families living in one Columbus, Ohio neighborhood and one Virginia community. Specifically, the FFLL project seeks to use intergenerational strategies to improve access to, consumption of and knowledge of healthful food in the target communities. The project uses the Community-Based Participatory Action Research (CBPAR) process to engage various stakeholders in the target communities to plan for and achieve feasible, sustainable and desired outcomes. The Ohio research team will share how CBPAR principles were applied in the planning year of the research project to inform intervention strategies for the current project year.

Authors: **Jenny Lobb** – educator, OSU Extension; **Shannon Jarrott** – professor, Ohio State College of Social Work; **Holly Dabelko-Schoeny** – associate professor, Ohio State College of Social Work; **Elizabeth Speidel** – intergenerational program manager, Champion Intergenerational Center

The Need for Emotional Intelligence in Teams: Awareness, Perception of Importance and Intention to Practice (poster 44)

Society is filled with many complex problems that often require knowledge and practice from more than one discipline (Stokols et al., 2008). Scientific researchers now have increased their focus to collaborative work in teams rather than individually to solve these problems (Fiore, 2008). Levi (2014) states it best by saying, “A successful team completes its task, maintains good social relations and promotes its members’ personal and professional development” (p.19). Teams need an interpersonal understanding (emotional intelligence) and division of tasks to get the work done. The purpose of this study was to describe the change in awareness, perception of importance and intention to practice new skills of team emotional intelligence (EQ) with selected

OSU Extension teams by implementing a team assessment and a group coaching/feedback session. Two program teams and one county Extension office team participated in this quasi-experimental research study.

Authors: **Crystal Ott** – program coordinator, 4-H youth development, OSU Extension; **Jeff King** – associate professor, Department of Agricultural Communication, Education, and Leadership; **Graham Cochran** – professor and senior administrative officer, College of Food, Agricultural, and Environmental Sciences

Using Technology to Create Food Systems Transformation (poster 45)

This poster highlights the use of technology in participatory food systems research. It will focus on the development of a participatory mapping application and the use of the ESRI Story Map platform to disseminate and contextualize spatial analysis, to describe the ways technology has been incorporated into Food-mapping for Empowerment, Access, and Sustainable Transformation's (FEAST) research approach aimed at understanding and mapping the lived experience of food insecurity.

Authors: **Michael Outrich** – graduate research assistant, Kirwan Institute for the Study of Race and Ethnicity, Ohio State; **Tannya Forcone** – graduate research assistant, Kirwan Institute for Race and Ethnicity, Ohio State

Restorative Health Justice: The Opioid Epidemic (poster 46)

This poster will focus on highlighting the cultural and social crises that have contributed to the opioid epidemic. It will evaluate past and current proposed solutions to fighting the epidemic, and show the need to improve the intangible causes of addiction. It will examine how deliberative democracy and dialogue can create change at the root of the problem in communities. It will encourage the future collaboration between J.D. Vance's on-campus nonprofit, Our Ohio Renewal; professor of Political Science Michael Neblo's Institute for Democratic Engagement and Accountability; campus colleges and departments like the John Glenn College, the Public Health college, and OSU Extension. It will examine deliberative public opinion from communities across Ohio regarding potential responses to the opioid crisis, and seek to consult with policy makers, experts and stakeholders to publicize and convey the results back to them in an effort to inform responses to the crisis.

Author: **Stephen Post** – student/policy Intern, Our Ohio Renewal

Parent and Professional Perspectives of Ohio's Early Intervention System for Families with Children Who are Deaf or Hard of Hearing: A Community Collaborative Approach (poster 47)

The Children's Hearing and Language Development Resource Network [CHLDRN] of Ohio is a community collaborative initiative that aims to discover the strengths and gaps of our early intervention (EI) system for families with children who are deaf or hard of hearing. CHLDRN of Ohio includes diverse stakeholders such as parents, audiologists, EI providers and administrators, and speech-language pathologists located across the state. To gather firsthand perspectives from families and professionals, in-person focus groups were held statewide, led by a facilitator who asked open-ended questions. Surveys will complement the rich qualitative data gathered via the focus groups by asking more focused, quantitative data. Surveys for audiologists, early intervention providers and parents have been adapted with permission from the National Center for Hearing Assessment and Management's EI SNAPSHOT program. Recommendations for strengthening the EI system will be driven by the data gathered.

Authors: **Jessa Reed** – postdoctoral researcher, Department of Otolaryngology and project manager, CHLDRN of Ohio, Ohio State Wexner Medical Center, and the Children's Hearing and Language Development Resource Network of Ohio

Healthy Soil Healthy Environment – A Research and Outreach Initiative (poster 48)

Healthy Soil Healthy Environment is a new OSU Extension signature program that will create a soil health education and outreach network comprised of Ohio State researchers and OSU Extension faculty and educators. Our long-term goal is to help improve Ohio's soil health and environment by educating farmers, youth and the general public. The program is intended to bridge the knowledge gaps between soil health research, education and practice by providing tools and curricula related to soil health, and its assessment and management in different agricultural settings. The program aims to reach out to conventional as well as organic farmers, urban and master gardeners, and youth clubs such as 4-H. Fact sheets and other educational materials will be available for use during trainings, workshops and field days. Curriculum is also being developed that could be incorporated into statewide 4-H and other youth education programs such as the Junior Master Gardener Volunteer program.

Authors: **Vinayak Shedekar** – research associate, OSU South Centers; **Alan Sundermeier** – county Extension director and educator, agriculture and natural resources, OSU Extension – Wood County; **Khandakar Rafiq Islam** – program leader, soil, water and bioenergy, OSU South Centers; **Steve Culman** – assistant professor and state specialist in soil fertility, SENR, Ohio State

Medication Management Program: Optimizing Patient Care through Empowerment and Engagement (poster 49)

The Medication Therapy Management Program (MMP) is an innovative telehealth program that utilizes proprietary software by SinfoniaRx to deliver patient care into the homes of millions. Pharmacists, pharmacy technicians and student pharmacists, through collaboration, education and outreach, will empower patients in the management of their chronic health conditions. The MMP is dedicated in its mission to serve patients, develop patient care skills among prospective student pharmacists, and partner with stakeholders to address contemporary issues in health care.

Authors: **Armando Silva Almodovar** – postdoctoral fellow, College of Pharmacy/Medication Management Program; **Ashley Coleman** – pharmacy director, College of Pharmacy/Medication Management Program

Integration of CFAES Programs and Beyond for Successful Sustainable Aquaponic Research, Extension and Outreach (poster 50)

As individuals, states, universities, and even countries shift focus into investigating sustainable agriculture practices, it is imperative that these practices be vetted by the unbiased university system. During the last few decades, modern aquaponics, a water reuse system that is dependent upon a strong microbial population to co-culture seafood and terrestrial crops, has fallen under the Extension aquaculture program's responsibility. Biologically speaking, modern aquaponics is not exceptionally complex; and even those without an agricultural background can have at least marginal success. However, as more and more people in the United States attempt to turn a hobby into a for-profit enterprise, it becomes apparent that biological success (i.e. successfully harvesting fish and plants after an allotted time) is not enough. We propose further incorporation of other CFAES programs and beyond to ensure that adequate knowledge is translated and transferred to the general public.

Authors: **Matthew Smith** – Extension aquaculture specialist, OSU South Centers; **Vinayak Shedekar** – research associate, OSU South Centers

Growing the Good with OSU Urban GEMS (poster 51)

Who knew that you could grow healthy fresh food in the basement of a church, a middle school science room, a middle school cafeteria, a K-8 school counselor's office, an elementary school hallway, an office hallway, a university cultural center, a behavioral health and wellness center, a business association's storefront, or a household kitchen? Urban GEMS youth know. These youth also know that Urban GEMS aims to grow them as well – into leaders, entrepreneurs, scientists, activists, and scholars. We will discuss the partnerships and processes that have allowed Urban GEMS to get established and celebrated as an award-winning program in two short years.

Authors: **Deanna Wilkinson** – associate professor, Department of Human Sciences; **Frederick V. LaMarr** – pastor and executive director, RHH4L/Family Missionary Baptist Church; **Tijuan Russell** – director, Millennium Community School; **Jerry Saunders** – CEO, Africentric Personal Development Shop (APDS); **Bob Leighty** – executive director, Parsons Avenue Merchant's Association; **Tiffany Groce** – project manager, Ohio State Urban GEMS; **Megan Beaver** – graduate research assistant, Ohio State Urban GEMS; **Cecil Brown** – dean of students, Urban GEMS @ MCS project coordinator

Building Climate Change Resilience in Columbus through University and Community Engagement (poster 52)

The Byrd Polar and Climate Research Center (BPCRC) has contributed to the development of a climate risk and vulnerability report that subsequently resulted in an effort to create a Climate Change Action Plan for the city of Columbus. This process involved conversations and focus groups with stakeholders and technical experts, from both on and off campus, to synthesize a document usable by city leaders and local decision makers. Stakeholders have included individuals from city government, public utilities, businesses, nonprofits, and the faith community. The State Climate Office of Ohio helped identify experts, and The STEAM Factory

provided a convenient meeting venue. This project has established BPCRC as a facilitator of conversations around scientifically vetting climate information and moved Columbus toward becoming a more climate-resilient community. This poster will include an overview of the draft Columbus Climate Change Action Plan and process by which it was created.

Authors: **Aaron Wilson** – senior research associate, Byrd Polar and Climate Research Center and OSU Extension; **Jason Cervenec** – education and outreach director, Byrd Polar and Climate Research Center; **Geoff Dipre** – doctoral candidate, Byrd Polar and Climate Research Center

Identifying Target Audiences for Future Extension Programming as a First Stage of Community Assessment (poster 53)

The findings from this pilot study and theoretical framework contribute to an integrative theory of community assessment and evaluation research in the agricultural Extension field. The research objective was to identify target audiences for future Extension programming focus. The community market analysis approach was used to identify the target audiences and needs of clientele, and match Extension's programs with audience needs. Two counties in Ohio (urban and rural) were selected for this pilot project. Numerous target audiences were identified for urban and rural counties and future Extension programming focus across six impact areas. Each target audience represented a specific group of citizens and issues that each group was facing when living and working in the community. Differences in the identified target audiences were found between urban and rural counties based on specifics of the local socio-economic and cultural environment.

Author: **Suzanna Windon** – market analyst, OSU Extension

Engaging Communities to Enhance Physical Activity among Urban Youth (poster 54)

A physical activity environmental assessment using the Physical Activity Resource Assessment and the Active Neighborhood Checklist instruments was completed as part of a United States Department of Agriculture grant targeting obesity in sixth- to eighth-grade students in an urban middle school. The assessments provided baseline data about the physical environments such as recreational facilities, sidewalk, bike lanes, and traffic patterns, in the neighborhood around the urban middle school identified in the project. Focus groups were conducted with adults and with youth to determine perceptions of physical activity in the neighborhood. The focus group data added valuable insight beyond the physical activity environmental assessment. Crime was a major concern among focus group participants as well as lack of non-competitive physical activity opportunities.

Authors: **Susan Zies** – educator, OSU Extension; **Tandalayo Kidd** – Extension specialist, Kansas State University Extension; **Kendra Kattelmann** – professor, South Dakota State University; **Dan Remley** – field specialist, food, nutrition and wellness, OSU Extension; **Erika Lindshield** – Extension associate/project coordinator, Kansas State University; **Nancy Muturi** – professor, Kansas State University; **Koushik Adhikari** – assistant professor, University of Georgia; **Beth Stefura** – educator, OSU Extension; **Marcia Jess** – program coordinator, OSU Extension; **Shannon Smith** – program assistant, OSU Extension

Engaged Service Posters

Designing Accessible AgriTourism – Welcoming Visitors of All Abilities (poster 55)

As AgriTourism grows in popularity, it is important to ensure that AgriTourism sites are welcoming and accessible to individuals of all abilities. Although the Americans with Disabilities Act (ADA) does not specify guidelines for AgriTourism sites, it does set specifications and requirements for access to spaces and events that are open to the public, and these principles apply to AgriTourism sites. The interpretation and application of ADA requirements is not always easy, and may be misunderstood by the AgriTourism operator and the visitor. This poster will use a common-sense approach to apply ADA requirements and universal design principles to AgriTourism sites, offer a list of best practices for accessibility, alternatives when full access is not possible, and illustrate why AgriTourism sites need to comply with the Americans with Disabilities Act.

Authors: **Laura Akgerman** – Ohio AgrAbility disability services coordinator, OSU Extension; **Dee Jepsen** – Extension state specialist, agricultural safety and health, OSU Extension; **L. Scott Lissner** – ADA coordinator, The Ohio State University

Employment and the Opioid Crisis in Ohio: How Extension, Community Partners and the Americans with Disabilities Act can Support Local Employers (poster 56)

Ohio is currently in the midst of a massive substance abuse crisis. Too many people are addicted to illegal (and legal) substances, the impacts are felt throughout their families and communities, and drug use can make it difficult to find or retain a job. This poster will review the Americans with Disabilities Act (ADA), a federal law that protects people with disabilities from discrimination, and will explore how the ADA impacts employees and job applicants who are in recovery from drug addiction. Learn about local employers who hire people recovering from substance abuse, and the positive impact this can have on the individual, company and community. Learn about the needs of local employers, employees and job seekers. Learn how to identify current Extension and community resources, and what resources need to be developed to support the local workforce and community.

Authors: **Laura Akgerman** – Ohio AgrAbility disability services coordinator, OSU Extension;
Godwin Apaliyah – director of Fayette County economic development, OSU Extension

ENCompass: Empowering Neighborhoods of Columbus (poster 57)

ENCompass is an undergraduate student organization dedicated to bridging the gap between medical and social care. Poor health can be exacerbated by many factors; and by connecting our clients with free resources available in their local community, we hope to address needs indirectly related to their medical care and improve our clients' overall health. We hope that our service model immerses volunteers in the Columbus community and cultivates interdisciplinary student leadership.

Authors: **Rachel Besse** – senior co-president, student; **Aaron Guo** – junior co-president, student

Engaging Legislators and their Staff through County Tours (poster 58)

Learn about an innovative way to connect OSU Extension to legislators. Local stakeholders open their farms and businesses to the legislators for the purpose of discussing how Extension impacts local issues.

Authors: **Kathy Bruynis** – educator and county director, OSU Extension – Highland County;
Chris Bruynis – educator and county director, OSU Extension – Ross County

The Charitable Pharmacy of Central Ohio – Helping Patients Access Medications through a Partnership of Caring and Education (poster 59)

More than 30 percent of patients in Franklin County live at or below 200 percent of the federal poverty level. Many of these patients lack health and prescription medication insurance. The Charitable Pharmacy of Central Ohio (CPCO) functions to provide medications and pharmacy services to uninsured and underinsured individuals living in Franklin County. CPCO serves more than 700 unique patients per month, and provides medications that patients otherwise could not afford. Pharmacists and pharmacy students counsel about the medications, check patients' blood pressure and glucose, and provide education about chronic disease management. The partnership between CPCO and the Ohio State College of Pharmacy uniquely positions pharmacy students, residents, and faculty to serve patients through direct patient care and practice-based research. Learn about the practice model at CPCO and the education and research initiatives that have flourished from this unique partnership.

Authors: **Kristin Casper** – associate professor and shared faculty practitioner, College of Pharmacy;
Jennifer Seifert – executive director, Charitable Pharmacy of Central Ohio

Celebrate Your Plate (poster 60)

The State Nutrition Action Committee (SNAC) was created in 2007 to bring together several health and community-based organizations throughout the state of Ohio. SNAC's aim is to promote shared goals and collaborate on related programming efforts. For 10 years, SNAC has given committee members the opportunity to work together, connect with other public health and nutrition organizations, and create new and meaningful projects such as a social marketing campaign. Work on a SNAP-Ed social marketing campaign, *Celebrate Your Plate*, began in early 2016 with the formation of the Social Marketing Core Team (SMCT) and the development of a campaign plan with the members of SNAC. With fruit and vegetable consumption the dietary guideline with the lowest achievement rate among all Ohioans, it is important for *Celebrate Your Plate* to create more partnerships to advance health and wellness.

Authors: **Alisha Ferguson** – SNAP-Ed program assistant, social marketing; **Beth Husted** – SNAP-Ed program coordinator, social marketing

Español and English en la Comunidad (poster 61)

Our best intentions do not always align with what we think the community needs. Including the voices of the community in developing end-of-the-semester projects should be at the core of the service-learning experience. In doing so, students and community members engage in a positive relationship of work, learning and trust.

Authors: **Elena Foulis** – faculty, SPPO; **Stanley Greenbolt** – CEO, G-COR Automotive Corp; **Ramona Reyes** – director, Our Lady of Guadalupe

Changing Neighborhoods, Changing Lives: A Purpose-Built Community on the Near East Side (poster 62)

PACT leads an award-winning community engagement process for the development of the Blueprint for Community Investment. Learn about the planning process and implementation progress to date. By implementing its Blueprint for Community Investment, PACT works to help residents of the near east side of Columbus create a healthy neighborhood of choice that can break the cycle of poverty in the area.

Authors: **Autumn Glover** – government affairs and community relations consultant, Ohio State Wexner Medical Center; **Elizabeth Seely** – chief administrative officer, Ohio State Wexner Medical Center; **Trudy Bartley** – associate vice president, Government Affairs, Ohio State; **Carol Naughton** – president, Purpose Built Communities; **Fred Ransier** – partner, Vorys, PACT Board chair

Recruiting Family and Consumer Sciences Volunteers (poster 63)

Extension educators and program coordinators who are interested in recruiting family and consumer sciences volunteers for 2018 can learn about successes and challenges of the first year and how the process will proceed moving forward. Get application materials and resources for recruiting, selecting and interviewing potential volunteers. Learn how to navigate the volunteer recruiting process from those who have been successful.

Authors: **Linnette Goard** – Family and Consumer Sciences volunteer coordinator, OSU Extension; **Joanna Fifer** – educator, OSU Extension; **Michelle Treber** – educator, OSU Extension; **Tammy Jones** – educator, OSU Extension; **Shannon Carter** – educator, OSU Extension

Addressing College Off-Campus Student High-Risk Behavioral Choices through Peer Leaders (poster 64)

Peer leaders at Ohio University work together to address high-risk behaviors exhibited by their peer students who live in off-campus neighborhoods. The Power-Gamma team is a group of undergraduate peer health educators who are trained in addressing health issues common to college-age students. The Community Ambassadors are a group of undergraduate peer leaders who work to connect off-campus students to the local community through meaningful interactions. The CAs strive to assist off-campus students in understanding the roles and expectations of living independently within the off-campus community. During the past year, these two peer groups have teamed up to implement healthy choice campaigns in the off-campus neighborhoods. The campaigns consist of practical information about staying safe off campus, such as how to keep parties safe and free from interaction with law enforcement.

Authors: **Barbara Harrison** – assistant director, Ohio University; **Terry Koons** – associate director, Ohio University

A Roadmap of Collaboration for Grain Safety Awareness: Building Community Capital for Farmers and First Responders (poster 65)

This poster will highlight a multi-faceted collaboration between OSU Extension and the Ohio Fire Academy. The Ohio State Ag Safety Program staff and the Ohio Fire Academy instructors work together utilizing this simulator to provide effective training and safety outreach to improve the lives of session participants and ultimately reduce the overall injury and fatality rates on Ohio farms. The collaboration facilitates student growth and learning, bridges efforts of state entities, cultivates partnerships with stakeholders, and delivers interactive outreach education for impactful outcomes across a broad spectrum of rural agricultural audiences by highlighting the design, build and development of outreach education.

Authors: **S.D. Jepsen** – associate professor, Department of Food, Agricultural and Biological Engineering, and state leader, OSU Extension Agricultural Safety and Health Program; **Lisa Pfeifer** – educational program manager, Agricultural Rescue, AgrAbility and Emergency Management, OSU Extension Agricultural Safety and Health Program; **Jeff Hussey** – state fire marshal, Ohio Fire Academy, Ohio Department of Commerce

Initial Meeting of the Laboratory for Community Engaged Practice and Scholarship (poster 66)

This poster will provide detailed information about the Laboratory for Community Engaged Practice and Scholarship. Learn about the lab, review activities in which lab participants might choose to be involved, and get a schedule of upcoming meetings.

Authors: **David Julian** – director of community planning and evaluation, College of Education and Human Ecology; **Andrew Wapner** – director of the Center for Public Health Practice, College of Public Health

Creating a Culture of Wellness for Students, Faculty and Staff in the College of Pharmacy (poster 67)

As part of the health sciences at Ohio State, wellness and preventative maintenance is something that is very important to the College of Pharmacy (COP). However, sometimes we work so hard to help others that we neglect our own health. Last year, the college continued to build upon existing wellness activities and created a formal Wellness Task Force consisting of the college's volunteer faculty and staff wellness innovators and elected student class wellness officers. Working together, this group helps to plan, implement and evaluate wellness initiatives to make wellness a way of life for everyone at the College of Pharmacy.

Authors: **Emily Keeler** – program manager and community builder, College of Pharmacy; **Elizabeth Trolli** – program manager, College of Pharmacy; **Anna Felmer** – PharmD candidate, College of Pharmacy; **Ben Newell** – PharmD candidate, College of Pharmacy; **Smit Patel** – PharmD candidate, College of Pharmacy; **Meghan Ritchey** – PharmD candidate, College of Pharmacy; **Maggie Sturm** – PharmD candidate, College of Pharmacy; **Kevin Wenceslao** – PharmD candidate, College of Pharmacy; **Victoria Williams** – PharmD candidate, College of Pharmacy; **Leslie Wu** – PharmD candidate, College of Pharmacy; **Caitlin Yocum** – PharmD candidate, College of Pharmacy; **James McAuley** – associate dean for Academic Affairs and professor, College of Pharmacy

Ohio State University Extension Master Gardener Volunteer Community Garden Specialization (poster 68)

Extension Master Gardener Volunteers (MGVs) assist OSU Extension with research-based horticultural outreach. While the projects that they engage in vary greatly, recently more volunteers are initiating community garden/food projects. These projects require a different skill set than traditional MGV projects. The purpose of this program is to equip MGVs with community engagement skills to successfully sustain community garden/food projects. Through this targeted training program, more than 65 MGVs served more than 30 agencies throughout Ohio. This project was made possible via the 2016 round of funding from the newly established Connect and Collaborate Implementation Grant initiative.

Authors: **Jacqueline Kowalski** – educator, agriculture and natural resources, OSU Extension – Summit County; **Pamela Bennett** – educator, agriculture and natural resources, OSU Extension – Clark County; **Michael Hogan** – educator, agriculture and natural resources, OSU Extension – Franklin County; **Denise Johnson** – program manager, Master Gardener Volunteer program, OSU Extension; **Heather Neikirk** – educator, agriculture and natural resources, OSU Extension – Stark County

Building Effective Community Partnerships (poster 69)

Community Engagement h2o (CE-h2o) is a faith-based student organization that works to serve the community in the Columbus area. This student organization leverages building effective community partnerships with motivating and equipping university teams to advance the health and wellness of four key demographics in the Columbus area. These four communities are the immigrant and refugee population, those suffering in poverty, the orphan population, and the widow population. To create enduring and impactful community partnerships, a shared motivation is needed between the university teams and partnership organizations. This shared motivation creates enduring relationships between the university teams and community partners, and it promotes lifelong community engagement. This information is intended for students seeking community partnerships, as well as those wanting to learn a sustainable model for creating community partnership with university teams.

Authors: **Mike Malone** – pastor, CE-h2o; **Megan Luthie** – student, CE-h2o; **Sarah Stewart** – student, CE-h2o; **Daniel Richie** – graduate teaching associate, Mechanical and Aerospace Engineering

Developing a Successful Engagement Model (poster 70)

Ohio State's Corporate Engagement Office is working to build an effective engagement model by serving as connectors and translators between the university and industry, leading to mutually beneficial relationships. Through collaboration with industry and our own experts, we have developed a framework for engagement using best practices. Engagement flourishes through a strong framework. We believe that employing a few essential components will deliver results for any organization.

Author: Matthew McNair – vice president, Economic and Corporate Engagement

Ohio Military Kids: Supporting the Military Families who Serve our Nation (poster 71)

Ohio Military Kids (OMK) is a joint effort between 4-H youth development at The Ohio State University 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 that a military family may be subject to. Learn about what OMK offers, including camps and workshops. Visit the OMK poster presentation 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 – program manager, 4-H youth development, OSU Extension; **Theresa Ferrari** – state 4-H specialist, OSU Extension; **Erin Van Gorden** – student assistant, OSU Extension; **Emily Likens** – student assistant, OSU Extension

The Opioid Patient Education Program (poster 72)

The Opioid Patient Education Program (OPEP) was developed by the Ohio State College of Pharmacy in partnership with The Kroger Company for use by pharmacists when dispensing new opioid pain medication therapies. The opioid epidemic is one of America's most pressing public health problems, and the state of Ohio now leads the nation in drug overdose deaths. These deaths include those involving prescription pain medications as well as illicit drugs; but we know that the vast majority of those using illicit drugs, like heroin, first misuse prescription opioids. We believe that purposeful engagement of pharmacists with patients when new opioid medications are dispensed could make a difference in this serious public health problem. OPEP includes written materials to be provided to the patient, a checklist of educational points to be covered by a pharmacist in consultation with the patient, and follow-up phone calls. Pharmacist perceptions of OPEP are being evaluated.

Authors: Chelsea Pekny – assistant professor–practice, College of Pharmacy; **Ken Hale** – clinical professor, College of Pharmacy; **Jeff Steckman** – pharmacy sales manager, The Kroger Company

I am Social Change...Are You? (poster 73)

Social Change's main focus is to utilize the resources available at The Ohio State University to address poverty throughout the state of Ohio and how it directly impacts individuals' educational attainment. We engage with our local communities beyond typical volunteerism to connect on a deeper level with participants. We focus on being community-informed and well trained to advance our 14 programs and to empower participants who are involved with them, so we can increase all aspects of a participant's well-being.

Authors: Ashley L Pryor – director, Student Life Social Change; **La'Rez Wilson** – community relations coordinator, Student Life Social Change

Engaged Partnering: Join the New OSU Extension Leadership Network (poster 74)

Would you like to be better connected with colleagues across campus and across Ohio who are working on leadership programming? Join educators, researchers, staff, faculty and others in this new "Leadership Network" that offers a virtual means of meeting, exploring and sharing ideas for leadership initiatives via working groups that will ultimately benefit our outreach and engagement leadership work across the university and the state.

Author: Brian Raison – assistant professor, OSU Extension

Strengthening Local Foods Systems through a Peer Exchange Learning Network (poster 75)

Food hubs, as businesses that aggregate and distribute regionally produced food, create jobs and infuse capital into their communities, while also often providing significant support to farm businesses and working in areas that lack sufficient access to healthy foods. The Ohio and West Virginia Food Hub Network is a peer-exchange learning network convening stakeholders from around the region to identify and address barriers to hub

development. The network's peer-to-peer model increases stakeholder access to technical assistance providers and connects new and emerging food businesses to best practice models. Learn about the various methods the network's facilitators use to create relevant educational opportunities and to enhance the peer-to-peer learning model of the network to create impactful engagement for stakeholders.

Authors: **Hannah Scott** – program manager, OSU South Centers; **Ivory Harlow** – program specialist, OSU South Centers

Part of the Solution: Engaging Youth in Addressing Ohio's Opioid Crisis (poster 76)

Ohio is facing an alarming public health crisis related to opioid overdose deaths. Creating a stronger future will involve engaging youth to be part of the solution. Principles of positive youth development and prevention science can guide our efforts to address this issue. Learn about the mechanisms of positive youth development and current program opportunities, available curricula and innovative resources – including the *Medicine Cabinet Display* – for raising awareness about opioid abuse. Learn ways to engage youth in promoting healthier behaviors and environments, especially related to drug abuse prevention. Also learn about benefits, challenges, strategies for ongoing engagement, and enhanced impacts realized by convening conversations with partner organizations through a teen forum on the opioid crisis.

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

Wexner Medical Community Health Day (poster 77)

An annual event, Community Health Day offers free health screenings, evaluations and counseling to the medically underserved in Columbus. Screenings and evaluations offered include breast and prostate, hearing, dental, vision, glucose, cholesterol, body mass index, lung function, podiatry, blood pressure, pulmonary function, mammograms, STD and HIV, and sports physicals. Screenings are grouped into tracks that focus on the critical medical needs identified by the Franklin County health department and hospitals, which include infant mortality, psychiatric and addiction, obesity, diabetes, chronic conditions, and infectious disease. Ohio State Wexner Medical Center engages with community partners and Ohio State colleges and units to produce this event that provides valuable medical screenings and educations to the medically underserved and at-risk.

Authors: **Ann Stephens** – director, Ohio State Wexner Medical Center; **Kim Knight** – senior manager, Ohio State Wexner Medical Center; **Erika Mitiska** – senior manager, Ohio State Wexner Medical Center

The Ohio State University Early Head Start Partnership Program (poster 78)

The Early Head Start Partnership Program is led by The Ohio State University and is a collaboration of Columbus' leading community agencies focused on the education and welfare of our children and their families. This poster will highlight health and wellness services leveraged through community partnerships. These services include physical and oral health. The program is currently serving 160 infants, toddlers and their families living in poverty throughout Columbus, Ohio. The Ohio State Early Head Start staff are working to raise the quality of early childhood education in 11 child care centers and eight family child care homes. In addition, comprehensive services are being provided to families by community experts.

Authors: **Sherrie Sutton** – assistant director, Ohio State University Early Head Start/Schoenbaum Family Center; **Kim Hammersmith** – pediatric dentist, Nationwide Children's Hospital; **Jennifer Voit** – director, Primary Care Centers, Nationwide Children's Hospital

It's Your Life, our Community! Everybody's Responsibility, Mind Your Mind Training (poster 79)

Mental Health: Be it GOOD, not Bad (the bad news and the good news of our mental health today). Becoming a Gatekeeper overview. The Mental Health First Aid overview. Making it work for you and others.

Author: **Steve Terrill** – volunteer advocate, alumni

College Access for Rural Youth: Using your University Connections (poster 80)

OSU Extension collaborates to deliver college experiences to rural youth in Vinton County. Extension's community engagement and outreach can be strengthened by developing relationships and using your college connections for youth education. Learn about resources to provide college-access programming to youth.

Author: **Travis West** – educator, 4-H youth development, OSU Extension