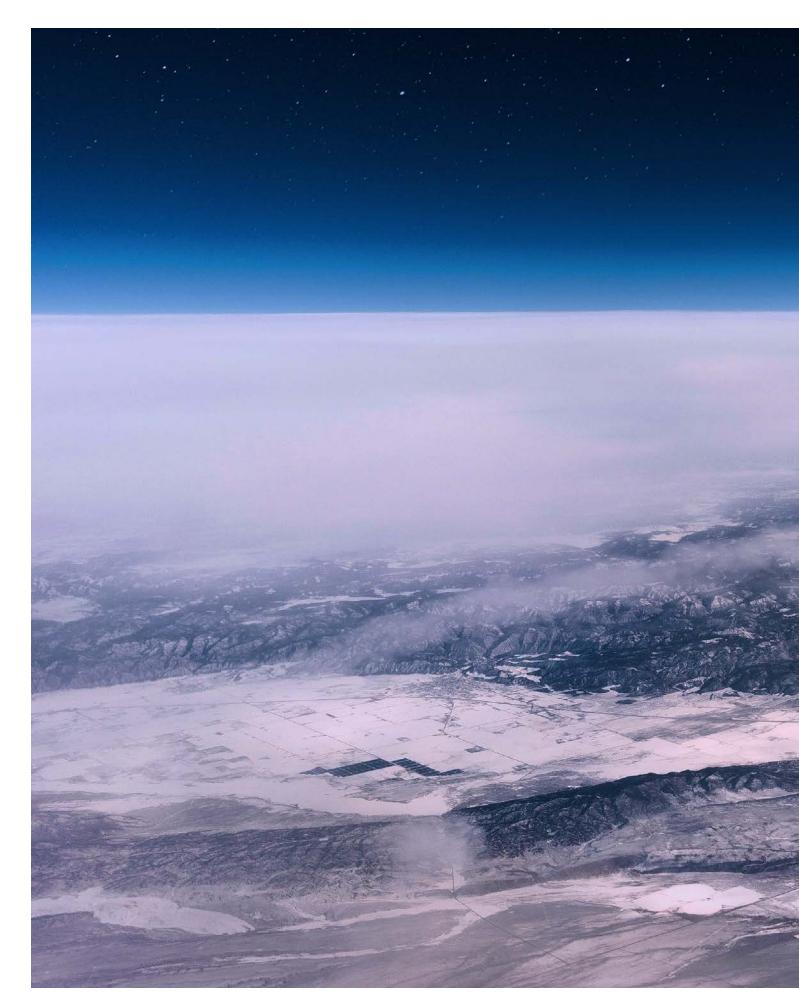
Institute for Collaboration on Health, Intervention, and Policy

ANNUAL REPORT FY19

CHNP



UConn's Institute for Collaboration on Health, Intervention, and Policy (InCHIP) is a university-wide, interdisciplinary nexus for investigators and centers that facilitates research partnerships and scientific advances in human health at several levels (e.g., individual, family, school, workplace, neighborhood, community, policy). Topics of study include physical and mental health, social drivers of health, and work across the translational science spectrum. InCHIP disseminates research through publishing, structural change, capacity building, teaching, mentoring, and collaborating throughout the university, locally, statewide, nationally, and internationally.

TABLE of CONTENTS



FROM THE DIRECTOR

Dear Colleagues,

Proud, grateful, and excited — these are some of the words that come to mind when reflecting on FY19, my first year as Director of InCHIP. This was InCHIP's best year ever for total grant funding. InCHIP staff managed 118 active grants worth \$70 million (across all years) while supporting 94 external grant applications. InCHIP Principal Investigators (PIs) received 39 new awards, totaling \$13.9 million in new funding.

The science behind these numbers is impressive. InCHIP PIs work on critical public health issues, from autism to weight management, cancer survivorship to prescription practices, HIV prevention to sports safety. This research has real potential to enhance the health and well-being of individuals in Connecticut, our country, and the world while providing an outstanding training environment for UConn undergraduate and graduate students and postdoctoral fellows.

I am proud of the work we have accomplished, the research culture we are creating, and the excellent science that we support. Our growth this year is attributable to our productive PIs, the three Centers within InCHIP (Rudd Center for Food Policy & Obesity, UConn Center for mHealth and Social Media, and Collaboratory on School and Child Health), and our first-rate team at InCHIP. As a close-knit and hardworking staff, we have honed our ability to support

interdisciplinary health research and develop new research teams and groups to address vital public health issues. We have taken risks and tried new methods to spark creative research ideas. We have forged partnerships with new entities on campus, in the community, and with other colleges and universities across the country.

But there is so much more to be done. With the average life expectancy decreasing in the U.S. due to chronic disease, the opioid crisis, gun violence, and a rise in suicides, we need to push ourselves to develop innovative, impactful solutions. As we enter FY20, I look forward to continuing to work with all of you – administrators, faculty, staff, students, and community members to make a difference in people's lives through our research.



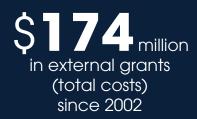
Amy Gorin, PhD Director, InCHIP Professor, Psychological Sciences

Warm regards,

Amy Gorin

FY19 BY THE NUMBERS

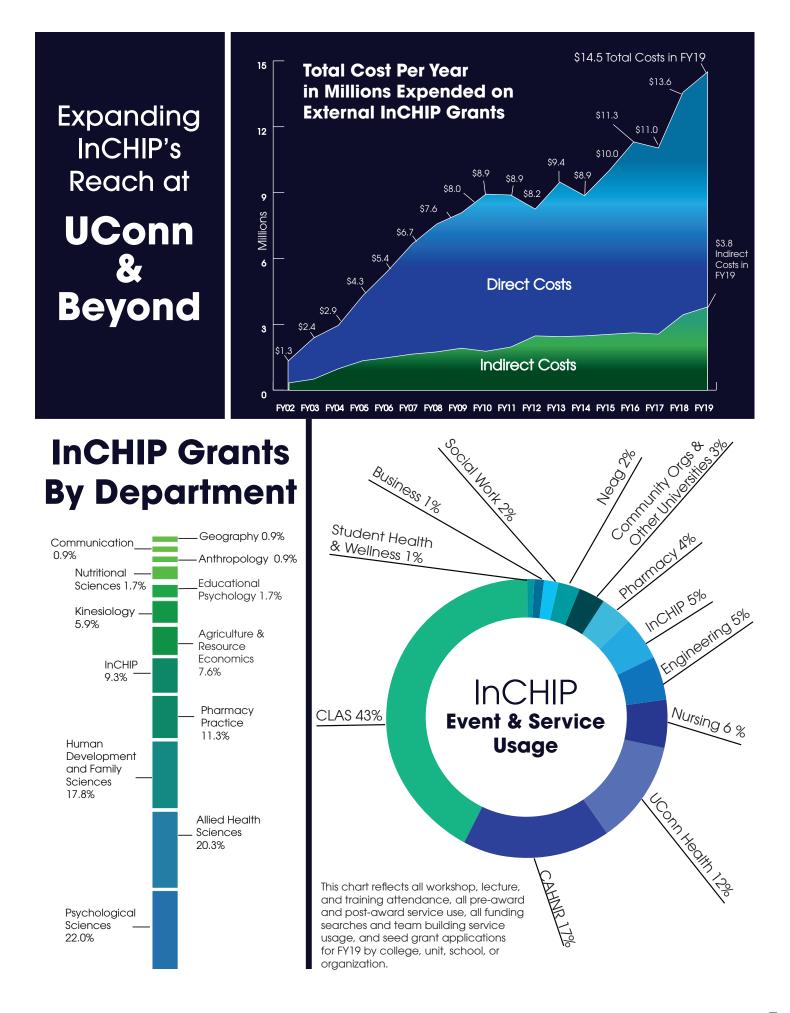
InCHIP's Continued Growth



\$70 million in active grants (across all years)

\$14.5 million in total costs expended in FY19

\$700K in graduate student support in FY19 active grants graduate students supported over Lecture Series attendees workshop attendees





Public Health Challenges Lead to Prioritizing Convergence Research

Recognizing the need for innovative solutions that ensure healthy lives and promote well-being, public health leaders and scientists advocate for convergence research — interdisciplinary work that addresses the most pressing problems facing society and the planet.

As a university-wide research institute, **InCHIP is uniquely positioned to foster deep integration across disciplines**. Through its various targeted initiatives, InCHIP has helped launch multiple interdisciplinary teams engaged in impactful health research.



Harnessing Technology to Boost Health and Well-Being: InCHIP's Ideas Lab Bridges Silos

We live in an increasingly tech-saturated world. Over 95 percent of Americans own a cellphone and almost a third of young adults use some form of wearable device (e.g., FitBit). New technologies collect reams of data about us, often without our knowledge; cars register our driving habits, face recognition software tracks our shopping habits, and gait analysis systems monitor our movements. On a daily basis, we are generating information about our location, activities, social media usage, interests and preferences, social connections, physical and mental health, and more.

These tech advances are opportunities to influence health – to reach people and nudge, create, and ultimately sustain behaviors that will help people be healthier. Yet there is often a disconnect between technology developers, those who manage the complex data these platforms create, and experts in health behavior change and the social milieu of health. Moreover. the personal nature of the data collected, and the invisible and sometimes stealth manner in which it is gathered, presents some challenging socio-legal and ethical issues about how this information should be used.

In the spring of 2019, InCHIP engaged the UConn community in a semesterlong conversation about how best to use technology and data to optimize the health of individuals and communities. This was launched with three panel discussions in February and March featuring researchers from across the university, including engineers, computer scientists, kinesiologists, psychologists, epidemiologists, and legal scholars.



Ideas Lab Participants from seven departments map out research projects.

"I met several new colleagues who I plan to be in touch with about future collaborations." - Ideas Lab Participant



Participants and mentors work together at the two-day Ideas Lab in June 2019.

"Informing the Future of Health Research: Artificial Intelligence, Machine Learning, and Big Data:" On February 21, Jinbo Bi, PhD (Biomedical Engineering), Ashwin Dani, PhD (Electrical and Computer Engineering), Alexandra Paxton, PhD (Psychological Sciences), and Bing Wang, PhD (Computer Science and Engineering) examined how machine learning, artificial intelligence, and big data can be tapped in health research.

"Ethical and Social Considerations of Research using Technology and Social Media:" Molly Land, JD (Law) and Molly Waring, PhD (Allied Health Sciences) led a discussion on February 26 about the ethical and social considerations of research using technology. This was co-sponsored by the Human Rights Institute.

"Mobile, Social, and Wearable: On-the-Go Technology to Improve Health:" On March 13, Insoo Kim, PhD (Medicine),



Ideas Lab participants brainstorm novel research questions.

"Great idea in trying to get faculty out of their silos; a university should be multidisciplinary idealistically." - Ideas Lab Participant



"...I'm always trying to improve the way I communicate with people, and being around so many people with different backgrounds and expertise was informative for me and helped me identify ways I could communicate better in the future. Also, seeing the diversity of how ideas developed in the different groups throughout the two days was very interesting."

- Ideas Lab Participant

Sherry Pagoto, PhD (Allied Health Sciences), and Jaci VanHeest, PhD (Educational Psychology) discussed the myriad ways that social media, wearable technology, and mobile technology can be used to improve health.

Randomized Coffee Talks

occurred in May 2019. Faculty who indicated they wanted to explore tech or big data research collaborations were randomly paired and encouraged to have informal coffee meetings. The goal was to learn about each other's research interests and generate one or more questions that both would be interested in pursuing if they worked together as a team.

The Spring Series culminated with UConn's first Ideas

Lab. Pioneered at federal funding agencies such as NSF, NIH, and NASA, Ideas Labs break the monodisciplinary scientific mold and create an environment where researchers from different fields of study come together to tackle "wicked problems." InCHIP's goal in hosting an intramural Ideas Lab was to encourage faculty from multiple disciplines to work collaboratively and creatively on research utilizing technology or big data to impact health outcomes.

Over two days in June, 26 faculty engaged in interactive sessions aimed at producing bold, novel, interdisciplinary ideas. Ideas Lab participants represented 23 different disciplines, including behavioral, social, biomedical, biological, environmental, animal, computer sciences, engineering, mathematics, law, business, education, and the humanities. At the conclusion of the June event, emerging research teams were invited to write proposals for pilot funding of up to \$50,000. Winners will be announced in the fall of 2019.



Andy Burnett, MSc (CEO, Knowinnovation) worked with InCHIP to plan and facilitate the Ideas Lab.

- **Organizing Committee:** • Amy Gorin, PhD (InCHIP/Psychological Sciences)
- Grace Morris, MA (InCHIP)

of participants

emerged with a new

research team.

- Ronald Beghetto, PhD (Educational Psychology)
- Andy Burnett, MSc (CEO, Knowinnovation)
- Kim Gans, PhD (Human Development and Family Sciences)
- Justin Nash, PhD (Allied Health Sciences)

Ideas Lab Director:

 Donna Spruijt-Metz, PhD (Director, USC mHealth Collaboratory, Dornsife Center for Economic and Social Research, University of Southern California)

Ideas Lab Mentors:

- Shawna Doerksen, PhD (Project Director/Senior Scientist, Coeus Health)
- Insoo Kim, PhD (Medicine)
- Justin Nash, PhD (Allied Health Sciences)
- Sherry Pagoto, PhD (Allied Health Sciences)
- Jaci VanHeest, PhD (Educational Psychology)

InCHIP Joins Interdisciplinary Team Studying Environmental Contaminants

There is growing concern about the potential health and environmental risks of firefighting foam, which contains hazardous chemicals, known as PFAS. In Connecticut alone, more than 300 fire departments use foam to fight fires and train firefighters.



Not only are these synthetic chemicals found in firefighting foam, but in a variety of products, including food packaging, household cleaners, carpets, nonstick cookware. and waterresistant clothing, to name a few. PFAS (poly- and perfluoroalkyl substances) are known as "forever chemicals" because they do not break down in the environment or in the human body and can accumulate over time. Because of their extensive use, they have seeped into the soil and drinking water.

The health effects of PFAS are not yet clearly understood, but some studies indicate that exposure to these chemicals may be linked to reproductive problems, kidney cancer, thyroid disease, and other illnesses.

Recognizing the need for more research in this area. Yu Lei, PhD (Chemical and Biomolecular Engineering), formed an interdisciplinary team of UConn faculty to explore the feasibility of developing a Superfund **Research** Program Center (SRPC) that would investigate PFAS. InCHIP was invited to join the team because of its experience developing successful researchers via its Training and Development Core and promoting productive

academic-community partnerships through its Community-Engaged Health Research Core.

The team submitted a CARIC (Convergence Awards for Research in Interdisciplinary Centers) application. In February 2019. the Office of the Vice President for Research awarded \$150,000 in CARIC funding to Lei and his team for the project entitled "Exposure, Health Effects, Sensing, and Remediation of Emerging Contaminants **Superfund Research** Program (SRP) Center." The team comprises InCHIP's Director and Associate Director along with faculty from the Center for Energy Innovation, Chemical and Biomolecular Engineering, Chemistry, Civil and Environmental Engineering, Library, Occupational and Environmental Medicine. Operations and Information Management, and Physiology and Neurobiology.

CARIC funding supports the advancement of collaborative, interdisciplinary teams bidding for major federally-funded research initiatives. The goal of this CARIC project is to generate preliminary research results and lay the groundwork for the research and administrative infrastructure necessary to prepare a successful National Institute of Environmental Health Sciences (NIEHS) Superfund Research Program Center (SRPC) grant application, which will be submitted in December 2020.

SRP Centers must engage in problembased. solution-oriented research that consists of multiple, integrated projects representing both the biomedical and environmental science and engineering disciplines. Additionally, they must contain cores tasked with administrative duties, data management and analysis, community engagement, research experience and training coordination, and research support functions.

The proposed SRP Center will investigate "Exposure, Health Effects, Sensing, and Remediation of Per- or Polyfluoroalkyl Substances (PFAS)." It will address emerging problems related to PFAS contamination and begin to fill existing knowledge and technology gaps (e.g., inadequate technologies to identify levels of contamination in the environment and to remediate contaminated sites).

Research Interest Groups Offer Venue for Networking around Common Health Interests

InCHIP Research Interest Groups (RIGs) provide a forum for researchers from different disciplines, campuses, and the community to work collaboratively in specific health domains. RIG members come from many schools and departments across UConn as well as community-based organizations in Connecticut. RIGs range in size from 40 to 220 members. To develop these vibrant communities, RIG leaders organize a variety of activities each year, such as networking events, research retreats, workshops, and lectures.

InCHIP Research Interest Groups and their Directors:

- Aging: Terry Berthelot, JD, MSW (Human Development and Family Sciences)
- Cancer: Crystal Park, PhD (Psychological Sciences)
- **eHealth/mHealth**: Sherry Pagoto, PhD (Allied Health Sciences), Deborah Cornman, PhD (InCHIP), Debarchana Ghosh, PhD (Geography)
- HIV: Deborah Cornman, PhD (InCHIP)
- Interprofessional Health Care: Michelle Judge, PhD, RD, CD-N (Nursing)
- **Obesity:** Kim Gans, PhD, MPH (Human Development and Family Sciences), Amy Gorin, PhD (InCHIP/Psychological Sciences)

Information about the RIGs and how to join them, can be accessed on the <u>InCHIP website</u>.

Researchers and Practitioners Meet in Hartford to Discuss Interprofessional Healthcare Research

On October 18, 2018, the InCHIP Interprofessional Healthcare Research Interest Group, chaired by Michelle Judge, PhD, RD, CD-N, (Nursing) hosted the "Forum for Interprofessional Healthcare Research: **Exploring Models & Networking Opportunities**" at Costa Del Sol Restaurant in Hartford, A total of 30 people attended the Forum, including faculty, postdocs, and staff from 14 departments at UConn as well as providers from various local healthcare facilities.

The keynote speaker was Millicent Malcolm. DNP. GNP-BC, APRN (Nursing), whose presentation was entitled "GOT Care!: Enhancing the Emerging Healthcare Workforce for Interprofessional Geriatric **Care to Improve Outcomes** for Vulnerable Older Adults." Her findings indicated that interprofessional, teambased care for older adults improves coordination of the roles and duties of healthcare professionals, enhances

communication with primary care, strengthens linkages to communitybased services, cuts costs by reducing emergency department visits, and most importantly, promotes improved health outcomes. This study highlighted how researchers and practitioners can work together to enhance healthcare delivery and patient outcomes.

Malcolm's presentation was followed by a formal networking activity in which each attendee spent up to three minutes describing their research interests and what they are looking for in a collaborator. The Forum concluded with time for informal networking.

"The most valuable part of the Forum was hearing what everyone has done and the ability to connect with people." - IPH Forum Attendee



Michelle Judge, PhD, RD, CD-N (Nursing) welcomes attendees to Forum.



Emil Coman, PhD (Health Disparities Institute) presents briefly on his research.

Aging Research Interest Group Created to Address Health Issues Faced by State's Older Residents

In response to Connecticut's aging population, InCHIP established a new Aging Research Interest Group in spring 2019. More than one third of the state's residents are over 50, and that number is growing. Founded by Terry Berthelot, JD, MSW (Human Development and Family Sciences), the group takes a holistic view of aging, emphasizing not just the medical implications of human aging, but its impact on the individual, family, and society.

On May 21, 2019, the Aging RIG hosted a Meet and Greet Brunch attended by over 30 researchers, advocates, state government officials, service providers, and clinicians. Attendees identified opportunities for research focused on how best to provide services and care to Connecticut's aging and older populations, especially in the quiet corner of the state.

Growing Interdisciplinary Research: InCHIP's Seed Grant Program

Every year, InCHIP supports promising research ideas through its <u>seed grant program</u>. Preference is given to interdisciplinary teams, first-time collaborators, and those moving their research in a new direction.

Several different internal funding mechanisms are available, including grants for newly emerging teams, junior faculty, mid-level and senior faculty, and community-engaged health research. This past year, InCHIP partnered with the Brain Imaging Research Center (BIRC) to promote research on health behavior or health policy with a major neuroimaging component. Additionally, InCHIP collaborated with the Community Health Center Association of Connecticut (CHCACT) to encourage research partnerships between UConn faculty and community health centers.

2019 Seed Grant Awardees:

FY19 InCHIP Seed Grants for Faculty Affiliates:

- Sungmin Lee, PhD (Plant Science and Landscape Architecture) - "Impact of Walkable Neighborhood on Physical Activity of College Students."
- Sudha Srinivasan, PhD, MPH (Kinesiology)

 "Associations among Impairments and Physical Activity in Young Adults with Autism."

FY19 InCHIP Community-Engaged Health Research Seed Grant:

 Kristen Cooksey Stowers, PhD (Allied Health Sciences), Martha Page, MPH, CPH (Hartford Food Systems), and Grace Damio, MS, CD-N (Hispanic Health Council) - "Developing an Audit Tool for Food Swamp Environments: The FS-EAT Tool (Food Swamp Environment Assessment Tool)."

FY19 InCHIP-BIRC Seed Grant for Faculty Affiliates:

 Linda Pescatello, PhD, FACSM, FAHA (Kinesiology) and Lihong Wang, MD, PhD (Psychiatry) - "The Acute and Chronic Influence of Tai Chi Practice on Blood Pressure and Brain Health among Older Adults with Hypertension."

FY19 InCHIP-CHCACT Health Research Seed Grants:

- Robert Aseltine, PhD (Behavioral Sciences and Community Health) and Benjamin Oldfield, MD, MHS (Fairhaven Community Health Center) - "Developing an Algorithm to Predict Health Services Needs of Pediatric Patients."
- Marlene Schwartz, PhD (Human Development and Family Sciences), Kim Gans, PhD (Human Development and Family Sciences), Keturah Kinch, MA (Wheeler Clinic), and Michelle Brady, RN, MSN (Community Health and Wellness Center of Torrington) - "FQHC-Food Pantry Linkages to Address the Needs of Food Insecure Patients."

InCHIP Rolling Seed Grants to Develop New Interdisciplinary Research Teams:

Xiaojing Wang, PhD (Statistics), Ming-Hui Chen, PhD (Statistics), and Roeland Hancock, PhD (Psychological Sciences) - "The Development of Interdisciplinary Team on the Analysis of Gamified Assessments."

7 Awards Made in FY19

- Pls from 8 different departments
- 5 different community partners

InCHIP PIs Leverage Seed Grants to Secure External Funding

There are several examples of InCHIP seed grants sparking collaborations and lines of scientific inquiry that lead to external funding. Take the FY18 seed grant awarded to Marlene Schwartz, PhD (Human Development and Family Sciences) and Katie Martin, PhD (Foodshare), "Supporting Diet Quality and Health through Food Pantries in Hartford." The food banking system is a lifeline for many food-insecure families, but it can be difficult to make healthy choices with the limited food

options present. Schwartz and Martin developed a stoplight ranking system for food pantry offerings, categorizing products as "green," "yellow," or "red" based on key nutrients associated with diet-related diseases (i.e., saturated fat, sugar, sodium).

The return on investment is substantial. For every \$1 InCHIP distributes in seed grants, more than \$30 is recouped in external grant support.

Melissa Santos, PhD (Pediatrics/ Connecticut Children's Medical Center) is another seed grant success story. Santos received an InCHIP-CCMC Joint Seed Grant in FY16 that she recently leveraged into a two-year Exploratory/ Developmental Grant (R21) from the National Institute of Diabetes and Digestive and Kidney Diseases (NIH/ NIDDK). Her research is examining the co-occurrence of obesity and chronic pain in adolescents – a combination found in some 70 percent of

> adolescents seeking weight management treatment.

With her colleagues Amy Gorin, PhD (InCHIP/ Psychological Sciences), William Zempsky, MD, MPH (Pediatrics), and Kim Gans, PhD, MPH (Human

They then collaborated with Joel Salisbury, MFA (Digital Media and Design) to create an app that scans a barcode and reports the ranking for that food. Data was collected in three food pantries to establish whether this ranking system improved the nutritional value of (a) the foods available in the pantries, and (b) the foods selected by clients. In FY19, with initial evidence to support the feasibility and impact of their system, Schwartz, Salisbury, and Martin secured nearly \$100,000 from Feeding America and \$41,000 from the **Partnership for a Healthier America** to refine the technology and make it available to other food pantries around the country.

Development and Family Sciences), Santos' seed grant established relationships between pain, depressed mood, eating and physical activity habits, and treatment outcomes for 12- to 18-year-olds in CCMC's weight management program. The bottom line is that adolescents experiencing both pain and obesity had worse weight management outcomes than their pain-free peers. The team's new NIH study is testing the feasibility of adding pain management techniques to CCMC's existing weight management program. The "Pain and Weight (PAW) Program" is the first of its kind and may offer much needed support to teens facing two chronic health conditions.

Faculty and Students Benefit from Research Training and Development

InCHIP's Training and

Development Core, co-directed by Amy Gorin, PhD (InCHIP/ Psychological Sciences) and Grace Morris, MA (InCHIP), provides training, mentoring, research team development support, and grant proposal writing assistance to UConn investigators at all stages of their careers, from graduate students to tenured faculty. Over 230 faculty and trainees utilized the Core's services in FY19.

In addition, many InCHIP faculty spearhead training initiatives, often leveraging external funding to support undergraduate, graduate, and postdoctoral fellow research.

Food for Thought at InCHIP

New in FY19, the InCHIP Lunch and Learn Series provides an informal and relaxed setting for faculty, graduate students, and staff to discuss a variety of research and career developmentrelated topics. InCHIP hosted three of these events in 2018-19:

> **"Research Career Trajectories Forum for UConn Graduate Students and Postdocs"** on October 2, 2018 - Marlene Schwartz, PhD (Human Development and Family Sciences) shared her personal career trajectory from graduate student to Director of the UConn Rudd Center for Food Policy & Obesity and Professor at UConn.

> **"Converting Research to Impact: Strategies and Resources for New Ventures"** on October 30, 2018 - Mostafa Analoui, PhD, Executive Director of the Venture Development and Technology Incubation Program (TIP) at UConn, led a discussion about opportunities for researchers to engage in entrepreneurship and commercialization of their research ideas, apps, and other products.

"What If? Engaging in Possibility Thinking with Interdisciplinary Research Teams" on February 7, 2019 - Ron Beghetto, PhD (Educational Psychology), an internationally recognized expert on creative thought and action in educational settings, conducted an interactive workshop on the use of "possibility thinking" by research teams to encourage intellectual risk taking and pushing beyond "what currently is" to "what could (and should) be" in order to generate new ideas.

The topics and speakers for the FY20 InCHIP Lunch and Learn Series are listed on <u>InCHIP's website.</u>

UConn Researchers Learn About Qualitative Research Methods

On May 23, 2019, InCHIP hosted a 6-hour training workshop for UConn researchers entitled **"Qualitative Research Methods Workshop: Building Your Qualitative Toolbox."** The goal of the workshop was to provide an overview of various approaches to designing and conducting qualitative research.

Demand for the training was high, with 99 faculty, postdocs, and graduate students seeking a spot. The training included handson exercises, so attendance was capped at 37. Participants represented 25 different schools and departments across UConn.

The workshop was co-facilitated by researchers from UConn, Yale, and Clark Health Education & Research (CHER) Solutions, LLC. They included Laura Donorfio, PhD and Kim Gans, PhD, MPH from Human Development and Family Sciences; Deborah Cornman, PhD from InCHIP; Lauretta Grau, PhD from Yale School of Public Health; and Research Consultant Katie Clark, MSPH, CADC from CHER. In addition to providing training in how to collect, code, analyze, and interpret qualitative data, the facilitators provided examples of their own qualitative research, from conceptualization through publication.

When asked to indicate the most valuable part of the workshop, one participant responded, "The experts' opinions! Where else would I quickly get this without reading a dozen books on qualitative research."

To supplement the training provided in the workshop, a new section was added to InCHIP's website entitled "<u>Qualitative Research</u> <u>Resources</u>."

InCHIP plans to offer additional training workshops on this topic in the future.







Faculty Meet Regularly for Mentoring Support on Career Award Applications

Established in September 2018, the monthly K-Award Writing Group provides peer and expert feedback, support, and accountability as faculty prepare their NIH career development proposals. Often with higher funding rates than other NIH funding mechanisms, K-Awards provide support and protected time for researchers to obtain an intensive and supervised career development experience in the biomedical, behavioral, or clinical sciences with the ultimate goal of achieving research independence.

InCHIP's K-Award Writing Group is led by Sherry Pagoto, PhD (Allied Health Sciences). Pagoto has experience with K-Awards, having received a K23 Mentored Patient-Oriented Research Development Award in 2003. She currently has a K24 Midcareer Investigator Award in Patient-Oriented Research for mentorship of junior investigators in social media and mHealth research. During its first year, the Writing Group had 17 participants from 14 departments, ranging from Chemical and Biomedical Engineering to Community Medicine.

Additional information about the Writing Group and how to join can be found on <u>InCHIP's website</u>.

Workshop Trains Researchers How to Write Health Policy Briefs

On April 10, 2019, Joanna Buscemi, PhD, Assistant Professor of Clinical Psychology at DePaul University and Chair of the Society of Behavioral Medicine's Health Policy Committee, conducted a workshop for UConn researchers on best practices in policy brief writing and researchbased advocacy. Health policy briefs summarize research findings on a particular topic so that policymakers can make evidence-based decisions. Buscemi, who has written dozens of briefs, provided workshop attendees with the tools they need to develop and disseminate health policy briefs on important public health issues. Participants were asked to come to the workshop with a particular problem area for which they wished to develop a policy brief and then were provided hands-on training on how to craft their own brief. The workshop closed with a discussion on how policy briefs are presented to legislative aides on Capitol Hill and how the development and dissemination of the briefs are an essential part of advocacy.



Joanna Buscemi, PhD, Assistant Professor of Clinical Psychology at DePaul University and Chair of the Society of Behavioral Medicine's Health Policy Committee.

InCHIP Hosts Young Scholars from Across Country

In July 2018, InCHIP Principal Investigators Blair Johnson, PhD (Psychological Sciences) and Sherry Pagoto, PhD (Allied Health Sciences) hosted high school seniors participating in UConn's Young Scholars Senior Summit. Eight Jack Kent Cooke Foundation Young Scholars from around the country spent three weeks on campus working at InCHIP in Johnson's <u>Systematic Health Action Research</u> <u>Program (SHARP) Lab</u> and Pagoto's <u>Center for</u> <u>mHealth and Social Media</u>.

Scholars engaged in health research projects exploring topics such as yoga and mindfulness, concussion rehabilitation, weight management, and cancer prevention. During their time on campus, the scholars also learned about the college admissions process and career opportunities in research. The inquiry-based enrichment experience concluded with scholar presentations showcasing their summer research projects.



Blair Johnson, PhD (Psychological Sciences) at the SHARP Lab with Senior Summer Scholars.



Senior Summit Scholars with Sherry Pagoto, PhD (Allied Health Sciences), Molly Waring, PhD (Allied Health Sciences), and staff from the UConn Center for mHealth and Social Media.

Building the Next Generation of Scientists: Grads from Federally Funded AIDS Training Program Achieve Success

A focal goal of a Research I university is to provide graduate students with unique training opportunities that prepare them for independent research careers.

A UConn leader in this area is Seth Kalichman, PhD (Psychological Sciences) who, in 2006, received an Institutional National Research Service Award (T32) from the National Institute of Mental Health to start a "Social Processes of HIV/AIDS Training Program" for doctoral students. This highly successful program, which is in its third round of funding, trains students in the social, behavioral, and clinical aspects of HIV disease prevention and treatment.

Over the course of four years, graduate students who are accepted into this competitive program receive extensive training in research design and quantitative methods, as well as learn substantive content about public health, psychology, communication, human development and family science, statistics, geography, sociology, and anthropology. The program focuses on four core areas of HIV/ AIDS behavioral research: social health disparities and stigma, behavioral interventions, health communications and messaging, and managing comorbid conditions. Outside of the classroom, students complete a research internship in collaboration with AIDS service providers in Connecticut communities.

Students leave the program with the field research skills needed to conduct community-based HIV/ AIDS behavioral studies and with experience in grant writing and publishing their work.

The training program, which is based at InCHIP, originated in the Department of Psychological Sciences and has since expanded to other departments, reflecting its interdisciplinary focus. The 33 students who have completed or are enrolled in the program and their faculty mentors represent the following departments: Allied Health Sciences, Communication, Geography, Human Development and Family Sciences (HDFS), Psychological Sciences, and Statistics.

Over the 13 years of this program, T32 graduate students have established an impressive publication record, and most have gone on to highly competitive clinical internships, NIH supported post-doctoral training positions, academic jobs (e.g., Brown University, City University of New York, Clark University, Columbia University Irving Medical Center, Harvard Medical School, University of Alabama Medical School, UConn, University of California San Francisco, and University of Delaware), and frontline service positions relevant to the fight against HIV/AIDS.

A homegrown success story is Lisa Eaton, PhD (HDFS). Accepted into the program's first class of graduate students, Eaton secured a tenure-track faculty position in HDFS upon earning her doctorate. Now, as an Associate Professor who specializes in HIV stigma, Eaton has been awarded multiple large NIH grants, and she co-directs the training program along with Kalichman.

InCHIP Team



Grace Morris, Joshua Hardin, Lynne Hendrickson, AnnMarie White, Amy Gorin, Deborah Cornman, Steven Jagielo, Melissa Stone, Melanie Skolnick, Niva Ranjeet

Amy Gorin, PhD - Director Deborah Cornman, PhD - Associate Director Steven Jagielo - Director of Administration and Business Services Gregory Champion- Boundary Spanner Joshua Hardin - InCHIP IT Lynne Hendrickson - Financial Assistant II Grace Morris, MA - Research Development Specialist Niva Ranjeet - Financial Assistant I Melanie Skolnick - Program Assistant I Melissa Stone - Financial Assistant II AnnMarie White - Fiscal Manager

New Opportunities for Engaged Science

InCHIP's <u>Community-Engaged Health</u> <u>Research Core</u>, directed by InCHIP Associate Director Deborah Cornman, PhD, brings together university and community partners to foster innovative and translational community-engaged health research. In the past year, the Core took a lead role in creating a new partnership between UConn and the Community Health Center Association of Connecticut, worked with Vanderbilt University to launch a Community Engagement Studio program at UConn, and funded three community-engaged health research projects.

E



InCHIP Facilitates Research Partnership between UConn and Community Health Center Association of Connecticut

UConn faculty and the <u>Community Health Center Association of Connecticut (CHCACT)</u> have created a partnership — the "CHCACT-UConn Research Collaborative" — to foster and support shared, sustainable, streamlined, and mutually beneficial research efforts.

CHCACT is the umbrella organization for 16 Federally Qualified Health Centers (FQHCs) in Connecticut. These community health centers, each with multiple sites, provide primary medical, dental, and behavioral health care to nearly 400,000 patients of all ages, regardless of their ability to pay. This newly formed Collaborative, co-chaired by InCHIP Associate Director Deborah Cornman, PhD and CHCACT Chief Operating Officer Rob Rioux, MA, provides a unique opportunity for UConn faculty to collaborate with community health centers to address critical public health issues.

To spark new collaborations between UConn faculty and community health centers, InCHIP and CHCACT co-hosted a webinar on February 13, 2019 entitled **"Virtual Meet 'n' Greet: CHCACT and Opportunities for Collaborative Research."** This event, featuring CHCACT Senior Director for Policy and Outreach Deb Polun, MA and COO Rob Rioux, provided a wealth of information about CHCACT and their member health centers. Eighteen UConn faculty from multiple disciplines participated, asking a variety of questions about the research potential at health centers. A recording of the webinar is available on <u>YouTube</u> and on <u>InCHIP's website</u>. To further encourage collaborative research, **InCHIP** offered \$15,000 seed grants to InCHIP-FQHC teams for innovative pilot projects in health. In response to the funding announcement, multiple teams formed and submitted grant applications. InCHIP awarded funding to the following teams:

- Robert Aseltine, PhD (Behavioral Sciences and Community Health) and Benjamin Oldfield, MD, MHS (Medical Director of Population Health at Fairhaven Community Health Center) for their project entitled "Developing an Algorithm to Predict Health Services Needs of Pediatric Patients".
- Marlene Schwartz, PhD (Human Development and Family Sciences), Kim Gans, PhD (Human Development and Family Sciences), Keturah Kinch, MA (Director of Community Engagement at Wheeler Clinic), and Michelle Brady, RN, MSN (Director of Nursing at Community Health and Wellness Center of Torrington) for their project entitled "FQHC-Food Pantry Linkages to Address the Needs of Food Insecure Patients."

To identify potential community health center partners or get more information about research opportunities in health centers, please contact <u>Deborah.Cornman@</u> <u>uconn.edu</u>.

Community Engagement Studios Help Researchers Gain Key Stakeholder Input

InCHIP now offers UConn faculty the opportunity to meet with and solicit feedback from community experts on the planning, design, implementation, and/or dissemination of their research. Originated by Vanderbilt University, the Community Engagement Studio (CES) provides a framework for stakeholders to give project-specific feedback to the researcher on areas of concern.

The researcher defines the characteristics of the target stakeholders who then weigh in on factors such as project feasibility, recruitment and retention strategies, consent process, participant compensation, cultural and linguistic appropriateness of research documents, intervention design, survey design, ethical considerations, and translation of findings into practice. The stakeholders, which can include patients, caregivers, healthcare providers, community members, and other non-researcher stakeholders, serve as consultants rather than research participants, so Institutional Review Board approval is not needed.

On June 13 and 14, 2019, Vanderbilt staff conducted a two-day training at the UConn Rudd Center for Food Policy & Obesity in Hartford. Hosted and organized by InCHIP, the training was attended by 20 faculty and staff from 10 academic institutions from around the country, including Brown University, Dartmouth College, Duke University, Meharry Medical College, Northwestern University, Oregon Health & Science University, University of Connecticut, University of Massachusetts Medical School, University of Virginia, and Virginia Commonwealth University. The interactive training focused on the logistics and best practices of running a CES program. As part of the training, a Studio was conducted with nine local food pantry operators who provided valuable input to Marlene Schwartz, PhD (Human Development and Family Sciences) about one of her research projects.

Community Engagement Studios are being conducted at a growing number of colleges and universities across the country to involve communities in the development of research that has a significant, meaningful, and sustained impact on individual and public health.

Faculty interested in learning more about Community Engagement Studios should email Deborah.Cornman@uconn.edu.

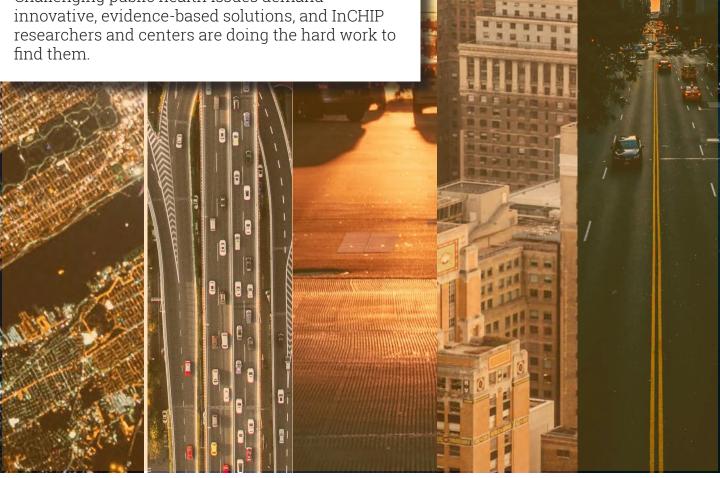


Marlene Schwartz, PhD (Human Development and Family Sciences) listens to feedback from CT-based food pantry operators on her study design.

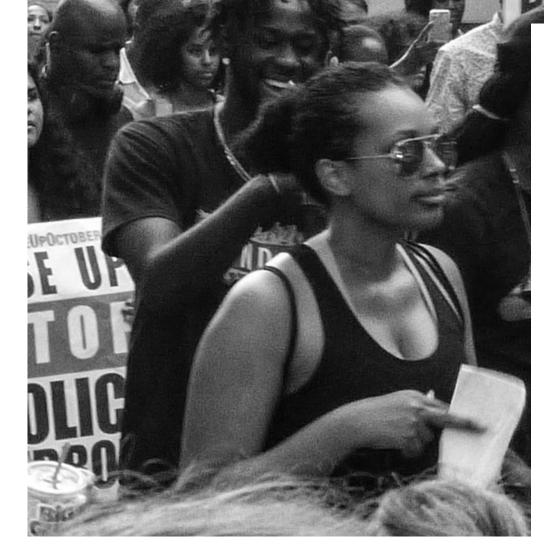


Supporting Strong Science: InCHIP Investigators and **Centers Are Making a Difference**

Challenging public health issues demand



Rick Gibbons and Meg Gerrard Study Racial Discrimination's Impact on the Health of Black Americans



In 1996, while at Iowa State University, Rick Gibbons, PhD (Psychological Sciences), Meg Gerrard, PhD (Psychological Sciences/InCHIP), and their colleagues initiated the largest panel study of **African American families** in the U.S. - the "Family and **Community Health Study** (FACHS)." Starting with about 900 African American families in Iowa and Georgia. all of whom at the time had a child in the 5th grade, FACHS has collected data from these families every two to three vears for over two decades. The children have been followed from elementary school into their early 30s, with parents who are now late middle-aged.

Data collection has focused on various stressors facing these African American families, including familial, financial, and environmental as well as racial discrimination. The interdisciplinary research



Meg Gerrard, PhD (Psychological Sciences/InCHIP) and Rick Gibbons, PhD (Psychological Sciences).

team has published more than 300 scientific articles establishing longitudinal associations between stress, health behavior, and health status. Importantly, the team has also identified protective factors that mitigate these stressors' impact on health. For example, being raised by parents with a consistent and positive parenting style and an affirmative racial identity appear to decrease the risk of substance use in adolescents and young adults.

Epigenetics of Age and Racial Discrimination

With a new five-year grant (R01) from the National Cancer Institute (NCI), Gibbons, Gerrard and their team have expanded the study design to include the influence of stress on biological aging, which is a strong predictor of morbidity and mortality. Blood samples collected from participants allow the team to assess cardiometabolic processes, gene expression, and epigenetic aging — the extent to which an individual is biologically older or younger than their chronological age. The team plans to use these data to examine the impact that racial discrimination and other stressors have on the epigenetic aging process.

NCI is a leader in interdisciplinary team science and is increasingly interested in longitudinal studies that incorporate biomarkers and genetics to understand health outcomes. FACHS is an ideal example of how such interdisciplinary research can connect largescale societal factors to individual health at the behavioral and biological levels.

Identifying Moderators of Racial Discrimination's Effects

While numerous studies have linked experiences of racial discrimination to smoking, drinking, and drug use (Pascoe & Richman, 2009; see Gibbons & Stock, 2018 for a review), the Gibbons-Gerrard FACHS team has found meaningful heterogeneity in how individuals' health is impacted by racial discrimination. Their work suggests that Black women who are optimistic and have an orientation toward the future are able to cope more effectively with the stress associated with discrimination and engage in healthier lifestyles (e.g., healthy eating and exercise). The team plans to examine whether this resilience moderates the impact of racial discrimination on epigenetic aging.

FACHS findings also have implications for the development of effective interventions. The FACHS team supports the imperative to reduce racial discrimination in the U.S. Gibbons and Gerrard's work suggests that interventions that build resiliency in Black adolescents through strategies such as reducing feelings of self-blame for negative experiences and increasing a positive perception of what it means to be Black may hold promise for reducing the impact racial discrimination has on health.

The FACHS project has been funded by NIH since 1996 with support provided by the National Institute of Mental Health, National Institute of Child Health and Human Development, National Institute on Drug Abuse, National Heart, Lung, and Blood Institute, National Cancer Institute, and National Institute on Aging.

New Awards in FY19: InCHIP Researchers Tackle Critical Health Issues

InCHIP Principal Investigators (PIs) received 39 new awards in FY19, increasing UConn's grant portfolio by \$13.9 million in total costs (\$10.6 million in direct costs and \$3.3 million in indirect costs). This research spans a wide range of topics and addresses some of the most pressing health issues facing our state and country today. Brief descriptions of these projects are provided below, and a full list of newly awarded and active grants at InCHIP can be found in the <u>Appendix</u>.

Cancer Prevention and Survivorship

- Keith Bellizi, PhD (Human Development and Family Sciences) received an award from the CT Breast Health Initiative to better understand the genetic counseling experiences of women with hereditary breast cancer (BRCA1/2 mutations).
- Valerie Duffy, PhD (Allied Health Sciences) is part of an interdisciplinary team, headed by Dan Rosenberg, PhD (Medicine) at UConn Health, that was awarded funding by the American Institute for Cancer Research to evaluate the preventive and therapeutic benefits of ellagitannins (polyphenols, which are micronutrients containing antioxidants that are present in some fruits, nuts and seeds) in the colon.
- **Rick Gibbons,** PhD (Psychological Sciences) received a five-year \$3.2 million grant from the National Cancer Institute (NCI) to examine the effects of contextual factors and health behaviors on epigenetic aging in a large longitudinal study of African American families.
- NCI awarded Co-PIs **Crystal Park**, PhD (Psychological Sciences) and **Keith Bellizzi**, PhD (Human

Development and Family Sciences) a four-year \$2.5 million grant to research, in partnership with the Smilow Cancer Center, the mechanisms and outcomes of resilience trajectories as individuals with cancer transition from active treatment to survivorship.

Food Policy and Marketing

- Tatiana Andreyeva, PhD (Agricultural and Resource Economics) received five new grants this year to examine the economic impact of federal and local nutrition policies and programs. She received funding from state, national, and international agencies and foundations, including the CT State Board of Education. CT State Department of Public Health (DPH), USDA Economic Research Service, USDA National Institute for Food and Agriculture, Robert Wood Johnson Foundation (RWJF), and the World Health Organization. Andreyeva's research will inform the expansion of the Child and Adult Care Food Program in the state. the nutritional standards in early childhood education settings, the effects of the Federal Community Eligibility Provision in schools, and the pricing policies for food and non-alcoholic beverages.
- Jennifer Harris, PhD (Allied Health Sciences) received a renewal from RWJF to continue her policy research that involves communicating with key stakeholders to encourage industry and government action to reduce marketing of unhealthy foods to children and parents.
- Nathan Fiala, PhD (Agricultural and Resource Economics) was awarded four years of support from Farm Fresh Rhode Island and the USDA to examine



marketplace and customer data to inform optimization of local food outlets in New England.

Marlene Schwartz, PhD (Human Development and Family Sciences) received funding from the Partnership for a Healthier America to evaluate whether national childcare chains have honored their commitments to improve their nutrition and physical activity policies to promote better health for the children they serve. Schwartz also received support from the University of California San Francisco and RWJF to serve on an expert committee evaluating nutrition standards for food banks.

Healthcare Delivery

- William Baker, Jr., PharmD, FCCP, FACC, FAHA (Pharmacy Practice) and Diana Sobieraj, PharmD, FCCP, BCPS (Pharmacy Practice) received \$355,000 from the Agency for Healthcare Research and Quality (AHRQ) to examine the benefits and potential harms of pain medications for the treatment of acute pain in the prehospital setting.
 Marie Smith PharmD FNAP
 - Marie Smith, PharmD, FNAP (Pharmacy Practice) received funding from the CT State Office of Health Strategy and the Department of Health and Human Services to provide expert guidance to State Innovation Model (SIM) physician organizations that want to: (1) initiate new or scale existing clinical pharmacist services within primary care teams or population health programs, and (2) determine the value/ impact of clinical pharmacist services on clinical, financial, and utilization outcomes. Nathaniel Rickles, PharmD,

PhD, BCPP (Pharmacy Practice) was awarded funding from CT DPH and the Department of Mental Health and Addiction Services to develop education for prescribers and pharmacists on opioid safety in Connecticut.

HIV Prevention and Treatment

Lisa Butler, PhD, MPH (InCHIP) received three years of support to work with investigators at Brigham and Women's Hospital to develop and test a community-based intervention to improve uptake of antiretroviral therapy and retention in care in South African youth who have been newly diagnosed with HIV.

Lisa Eaton, PhD (Human Development and Family Sciences) was awarded two grants from the National Institutes of Health totaling over \$1 million to better understand mediators and moderators of HIV prevention in high-risk groups, including the use of pre-exposure prophylaxis (PrEP) in Black men who have sex with men. Seth Kalichman. PhD (Psychological Sciences) and Eaton received a grant from the National Institute

on Drug Abuse (NIDA) to test the effects of an intervention designed to increase HIV treatment engagement, retention, and medication adherence for substance using adolescents and young adults living with HIV who are not in clinical care.

Ryan Watson, PhD (HDFS) received a K01 Research Scientist Development Award from NIDA, which will allow him to examine the intersection between HIV prevention and substance use in young adult men who have sex with men.

Medication Management

Thomas Buckley, MPH, RPh (Pharmacy) received funding from CT DPH and the Centers for Disease Control





and Prevention (CDC) to analyze drug therapy problems identified and resolved by community pharmacists as part of the state's coordinated effort to improve prevention and management of chronic diseases.

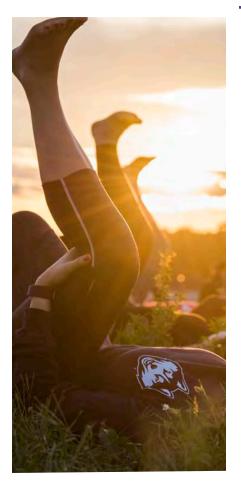
Nathaniel Rickles, PharmD, PhD, BCPP (Pharmacy) was awarded a grant by CT DPH and the CDC to examine the impact of medication therapy management on low-income women in Connecticut and to engage community pharmacies as partners in the screening and referral of women to the CDC's WISEWOMAN (Well-Integrated Screening and Evaluation for Women Across the Nation) program.

Nutrition and Healthy Eating Interventions

In addition to her work on diet and cancer prevention, Valerie Duffy, PhD (Allied Health Sciences) received a three-year \$873,796 contract from the CT State Department of Social Services and USDA Food and Nutrition Service to support her team's work on the Supplemental Nutrition **Assistance Program-Nutrition** Education (SNAP-Ed), an obesity prevention program that builds community partnerships to encourage healthy eating and physical activity among incomechallenged individuals and families.

Jennifer Harris, Ph.D. (Allied Health Sciences) and Frances Fleming-Milici, PhD (InCHIP), partnering with Duke University, received a two-year Healthy Eating Research Grant from RWJF to develop and evaluate the efficacy of caregiver-targeted videos to discourage sugarsweetened beverage consumption by young children.

Working with colleagues at the University of Rhode Island, **Kim Gans**, PhD, MPH (Human Development and Family Sciences) received a three-year subcontract on an NIH-funded





Supporting Strong Science

grant to develop and test the feasibility of a homebased video and motivational interviewing intervention to determine whether parents and caregivers of preschoolers can be influenced to provide healthier food to the children in their care.

- Sally Mancini, MPH (InCHIP) received two years of renewed support from the National Agricultural Library, USDA for a joint project with Vermont Law School's Center for Agriculture and Food Systems and the Public Health Law Center at Mitchell Hamline School of Law. The Healthy Food Policy Project includes an online database of local laws that support access to healthy food, with a focus on equity.
- Feeding America, a nationwide network of over 200 food banks, awarded Marlene Schwartz, PhD (Human Development and Family Sciences) funds to develop and test mobile technology to help food banks track the nutritional quality of their food inventory, with the ultimate goal of using this information to transform the nutritional quality of the U.S. emergency food system. Schwartz is also working with colleagues at the University of Pennsylvania, funded by a fouryear NIH grant, to evaluate a web-based behavioral economic intervention that uses strategies such as choice architecture and messages about nutrition and social norms to promote healthy food choices in adults using food pantries.

Religion and Health

Crystal Park, PhD (Psychological Sciences) was awarded \$234,207 in a two-year grant from the John Templeton Foundation to conduct a systematic review of U.S. federal investments in research on religion and health.





Social Media

• Sherry Pagoto, PhD (Allied Health Sciences), in collaboration with colleagues at Rutgers University, received a five-year NIH subcontract to develop and test a Facebookdelivered intervention for young-onset melanoma patients and their family members. Pagoto also received a fiveyear NIH subcontract to work with a team at Vanderbilt University to test a psychosocial intervention for mothers of adolescents with type 1 diabetes to help improve disease management.

Sport Safety

- Lindsay DiStefano, PhD (Kinesiology) received a two-year award from the NATA Research and Education Foundation to evaluate a sustainable model for implementing best practices for high school sports safety by providing athletic trainers with straightforward, relevant information tailored to their specific needs.
- Lindsey Lepley, PhD (Kinesiology), working with colleagues at the University of Michigan, received NIH funding to examine a statewide initiative for rehabilitating ACL injuries.

Weight Management

- Amy Gorin, PhD (InCHIP/Psychological Sciences) and Tricia Leahey, PhD (Allied Health Sciences) received a two-year Science of Behavior Change grant from the National Institute of Nursing Research to examine whether delay discounting - the ability to put off an immediate smaller reward for a later desired outcome - is associated with weight-loss maintenance outcomes in adults with obesity. Gorin also received a subcontract for her work with Melissa Santos, PhD (Pediatrics/ CCMC), evaluating whether addressing chronic pain in adolescents with obesity improves weight management outcomes.
- Jeanne McCaffery, PhD (Allied Health Sciences) was funded by Westat/NIH to conduct genomewide association studies to identify genetic predictors for the amount of weight loss linked to lifestyle based weight-loss interventions.

UConn Rudd Center: National Leader in Food Policy, Obesity Prevention, and Weight Stigma

Ranked as one of the highest-performing childhood nutrition and health nonprofit organizations in the country, the **<u>Rudd Center for Food Policy & Obesity</u>** promotes solutions to childhood obesity, poor diet, and weight bias through research and policy.

Rudd Center Director Marlene Schwartz, PhD (Human Development and Family Sciences), faculty, and staff believe that every child, regardless of who they are, where they live, and what they look like, deserves the opportunity to eat healthfully. Since its inception, the Rudd Center has been respected in both national and international circles as the place where science and public policy intersect, where new and constructive dialogue takes place, and where innovation linked to action is a guiding philosophy.

The Rudd Center's work in FY19 focused on scholarship and research productivity, using research to inform policy, promoting community partnerships that address childhood obesity, providing training in obesity research, and media outreach.

Major accomplishments are highlighted below:

Scholarship and Research Productivity

Rudd Center faculty and staff were highly productive in FY19, with 38 peer-reviewed articles and four invited editorials published in high impact and flagship scholarly journals. They gave 73 invited presentations at annual national conferences and meetings such as the American Public Health Association, Healthy Eating Research, Pediatric Academic Societies, Society of Behavioral Medicine, and The Obesity Society, and other esteemed institutions and organizations such as the Academy of Medical Sciences and the National Academy



of Medicine, the Centers for Disease Control and Prevention, and the World Health Organization.

Rudd Center faculty and research staff (Marlene Schwartz, PhD; Rebecca Puhl, PhD; Jennifer Harris, PhD, MBA; Tatiana Andreyeva, PhD; Sally Mancini, MPH; and Frances Fleming Milici, PhD) were awarded nine new external grants, increasing their grant portfolio to 19 external grants, totaling \$2.8 million in funding. Their projects are funded by a variety of agencies, including the Child Health and Development Institute of CT, Inc.; CT State Department of Education; CT State Department of Public Health; Feeding America; Horizon Foundation; National Institute of Food and Agriculture; National Institutes of Health; Partnership for a Healthier America; Robert Wood Johnson Foundation; Rudd Foundation; U.S. Department of Agriculture; World Health Organization; and WW. Inc.

Of special note, Rebecca Puhl, PhD, Deputy Director of the Rudd Center and Professor of Human Development and Family Sciences, received The Obesity Society's 2018 Mid-Career Scientific Achievement Award, a \$5,000 award given annually to recognize excellence in an established research career.

Informing Policy

Rudd Center research informed several national, state, and local policy proposals in the past year, addressing issues such as: a) schoolbased wellness policies, b) state and local-level sugary drink excise taxes, c) hunger on college campuses, d) federal regulation of toddler drink products and marketing practices, and e) prohibiting weight discrimination.

Key examples of proposed policies that have been informed by Rudd Center research are the following:

- A sugary drink excise tax proposed by Connecticut Governor Ned Lamont in the 2019 State Legislative Session used the Rudd Center's sugary drink tax-revenue calculator and sugary drink and targeted marketing research to underscore the need for such a policy. Rudd Center research clearly establishes the negative health impacts of both the marketing of sugary beverages and the low price and accessibility of sugary drinks, especially for youth of color.
- The American Academy of Pediatrics and American Heart Association joint policy statement on "Public Policies to Reduce Sugary Drink Consumption in Children and Adolescents" released in March 2019,



Alleyha Dannett '19 (CLAS) speaking at a food insecurity roundtable at the UConn Student Union.

referenced the Rudd Center's food and beverage marketing research when proposing that "federal and state governments should support efforts to decrease sugary drink marketing to children and adolescents."

The comment period (June 27 to October 11, 2018) for the Food and Drug Administration's Comprehensive, Multi-Year Nutrition Innovation Strategy provided the Rudd Center, in partnership with other child health organizations, an opportunity to highlight the need for federal regulation of toddler drinks. This topic is covered extensively in the Rudd Center's 2017 Baby Food FACTS report and in subsequent publications.

Training in Healthy Eating and Obesity Research

Rudd Center faculty supervised 14 undergraduate students, and advised or mentored five masters students, 19 PhD students, and five full-time postdoctoral fellows. This past year, the entire postdoctoral cohort successfully secured professional positions, including three tenure-track positions at academic institutions (beginning summer 2019), a professional research position at a national nonprofit organization, and a senior leadership position at the Connecticut Food Bank.

In FY19, Rudd Center faculty created a new online training on weight-based victimization in youth, commissioned and disseminated by the Office of Women's Health to educate pediatric providers. This training provides education about the nature and health impacts of weight-based bullying and stigma toward girls, and strategies for pediatric healthcare providers to reduce weight bias in clinical practice and improve support to girls who are vulnerable to weight-based bullying and its health consequences.

Community Partnerships to Address Childhood Obesity

The Rudd Center continued to actively work on advocacy and policy issues with national partners in academia, public health law and policy, and online through social media forums. These partnerships assist with sharing the Center's research to inform the latest legal and public discourse on food policy. Rudd Center staff has continued to serve on the national Strategic Advisory Committee of the Voices for Healthy Kids initiative of the American Heart Association. which promotes policies ensuring that all children in the U.S. grow up at a healthy weight. At the state and local levels, the Rudd Center maintains partnerships with the City of Hartford Department of Health and Human Services, North End Triple Aim Collaborative, InCHIP's Community-Engaged Health Research Core, CT State Department of Education, CT State Department of Public Health, Office of Early Childhood, and Hartford Children's Health Alliance.

Press Coverage and Media Outreach

One of the Rudd Center's goals is to play a significant role in building and maintaining UConn's national reputation for thought leaders and research expertise. During FY19, the Center maintained a strong media presence nationally and in Connecticut, with appearances in national outlets such as The New York Times, The Washington Post, NPR, Politico, CNN, CBS News, NBC News, Bloomberg, The Huffington Post, HealthDay, and Reuters.

There were approximately 615 media appearances by the four Rudd Center core faculty in high-profile online and print media, 72 appearances for other staff members, and an additional 385 media appearances for the Center alone. Collectively, the total media appearances for the Center, faculty, and staff resulted in 1,071 appearances, averaging 21 online and print appearances per week.

The Rudd Center also expanded its media presence through various live television and podcast interviews, including an 8-minute segment on Roland Martin Unfiltered; live interviews on HLN, NPR's Where We Live, NPR's All Things Considered, WTNH Capitol Report; and podcast episodes on The Full Bloom Project and America Trends Podcast.



Rudd Center Faculty and Fellows, Spring 2019.

Rudd Center Leadership

Director: Marlene Schwartz, PhD (Human Development and Family Sciences)

Deputy Director: Rebecca Puhl, PhD (Human Development and Family Sciences)

Director of Marketing Initiatives: Jennifer Harris, PhD, MBA (Allied Health Sciences)

Director of Economic Initiatives: Tatiana Andreyeva, PhD (Department of Agricultural and Resource Economics)



U.S. Senator Chris Murphy and state Representative Gregg Haddad participate in a food insecurity roundtable.

UConn Center for mHealth & Social Media Leads in Tech Use for Behavior Change

The mission of the <u>Center for mHealth and Social Media</u> is to increase capacity for mHealth and social media research on campus, create research collaborations with universities around the world, facilitate industry-academic partnerships, and become an international leader in the use of technology for health behavior change. The Center's priorities are in the areas of research methodology and training.

Center Personnel

Sherry Pagoto, PhD (Allied Health Sciences) serves as the Director of the Center, and Molly Waring, PhD (Allied Health Sciences) heads the Methodology Core. Staff include Program Director Jessica Bibeau, MA, Program Assistant Jessica Deojay, three full-time research staff, two graduate students, and two undergraduate interns.

Research Projects, Publications, Presentations, and Consultations

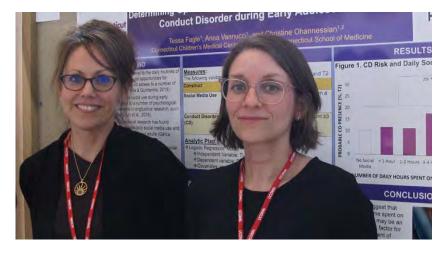
In FY19, Pagoto and Waring submitted or contributed to seven grant applications, four of which were funded. They are Principal Investigators or collaborators on 13 grant-funded projects that address a range of health issues using social media and mobile technology, including healthy eating, weight loss, indoor tanning, young onset melanoma, cardiovascular disease, and type 1 diabetes.

During this same period, Center faculty and staff published five peerreviewed scientific papers on digital health/social media research, gave 11 talks at national and international venues, and presented 15 scientific posters at regional and national conferences.

Seminars

- "Instagram for Academics: A Nuts and Bolts Workshop on How to Use Instagram in Your Work" - Paul Jasper, PhD, (RES Group Inc.), May 29, 2019.
- "Teaching and Learning with Impact: Social Media in Higher Education Classrooms" - Sarah Mojarad, MS, (University of Southern California,) July 22, 2019.

In October 2018, Facebook flew Pagoto, Waring, and Bibeau to its Menlo Park headquarters for consultation on its health initiatives. And in May 2019, Facebook sent Pagoto to its New York City offices to provide additional consultation.



Center Director Sherry Pagoto, PhD (Allied Health Sciences), and Methodology Core Director Molly Waring, PhD (Allied Health Sciences) at this year's Center for mHealth and Social Media conference.

Webinars

- "Measuring Time Spent to Participate in a Facebook-Delivered Lifestyle Intervention"- Waring, Society of Behavioral Medicine (SBM) Behavioral Informatics & Technology (BIT) Special Interest Group (SIG), July 10, 2018.
- "How to Write a Successful Seed Grant"
 Pagoto and Waring, InCHIP, December 3, 2018.
- "How to Manage Your Lab Using Project Management Techniques"
 Bibeau, Society of Behavioral Medicine Webinar Series, January 24, 2019.

Workshops

- "How to Develop a Professional Social Media Presence in Academia"
 Pagoto, InCHIP, July 16, 2018.
- "Ethics and IRB in Social Media Research" - Waring and Bibeau, Center for mHealth and Social Media Annual Conference, May 16, 2019.
- "So You Want to Do a Social Media Delivered Intervention? Tips and Tricks for Getting Started" - Pagoto and David Cavallo, PhD (Case Western Reserve University), Center for mHealth and Social Media Annual Conference, May 16, 2019.
- "Social and Ethical Considerations of Research Using Technology and Social Media" - Waring and Molly Land, JD (Law), InCHIP Spring Series: "Harnessing the Potential of Our Data-Rich Lives to

Improve Health and Well-Being," February 26, 2019.

 "Using Project Management Skills in Behavioral Research" -Bibeau, Graduate Student Jared Goetz (Allied Health Sciences), Julia Berteletti, MSW (Klein Buendell), and Kim Massie, EMBA (Chapman University), Society of Behavioral Medicine Annual Meeting in Washington, D.C., March 6, 2019

Twenty Institutions Represented at Third Annual Conference.

Over 100 researchers attended the Center for mHealth and Social Media's third annual conference on the Storrs campus. Focused on "Social Media and Health." the May 16, 2019 event included presentations and discussions about online observational research. research with online patient communities, public health social media campaigns, social media as a tool for health behavior interventions. and the ethical challenges of social media research, among others. Attendees represented academic institutions. nonprofit organizations, and the private sector.

Invited speakers included David Cavallo, PhD (Case Western Reserve University), Michael Amato, PhD (Truth Initiative), Christopher Carroll, MD (Connecticut Children's Medical Center), Sherry Emery, PhD, MBA (NORC at University of Chicago), Cesar Gabriel Escobar-Viera, MD, PhD, MPH (University of Pittsburgh), Philip Massey, PhD, MPH (Drexel University), and Anne Oeldorf-Hirsch, PhD (Communication).

Center for mHealth and Social Media Leadership

Director: Sherry Pagoto, PhD (Allied Health Sciences)

Methodology Core Director: Molly Waring, PhD (Allied Health Sciences)

Pre-conference workshops addressed social mediadelivered interventions and social media research ethics. Panel discussions addressed methodological issues in social media research and intervention development.

Prizes were awarded to the best posters by a student and non-student:

- Student Poster: "Do Park-Related Tweets Moderate the Association between Park Quality and Health Outcomes?" - Jing-Huei Huang (North Carolina State University), Aaron Hipp, PhD (North Carolina State University), Viniece Jennings, PhD (U.S. Forest Service), Myron Floyd, PhD (North Carolina State University).
 - Non-Student Poster: "Determining Optimal Social Media Use in Relation to Risk for Conduct Disorder during Early Adolescence" -Tessa Fagle (Connecticut Children's Medical Center), Anna Vannucci, MS (CCMC), Christine McCauley Ohannessian, PhD (Pediatrics/CCMC).



Collaboratory on School and Child Health Promotes Team Approach

InCHIP's <u>Collaboratory on</u> <u>School and Child Health</u>

(CSCH) facilitates innovative and impactful connections across research, policy, and practice arenas relevant to school and child health. The group serves as a central resource to university and external partners working toward creating healthy, safe, supportive, and engaging environments for all children. CSCH highlights from FY19 are described below.

Encore Conference and Seed Grant Competition

On September 24, 2018, CSCH held its second Encore Conference, attended by faculty, students, staff, and community members from several UConn schools, colleges, departments, centers, and community organizations. Attendees could peruse posters on school and child health, network, and find collaborators with whom to make a three-minute pitch for \$8,000 in seed grant funding. Conference attendees voted for their favorite pitches, and the top five winners were invited to submit a full proposal. CSCH Steering Committee members selected the following two interdisciplinary teams as the winners of the seed grant competition:

- Miriam Valdovinos, PhD (Social Work), Rebecca Campbell-Montalvo, PhD (Curriculum and Instruction), Ruth Lucas, PhD, RN (Nursing), and Xiaomei Cong, PhD, RN, FAAN (Nursing) - "Healthcare Needs and Access for CT Migrant and Seasonal Farmworker Schoolchildren."
- Beth Russell, PhD (Human Development and Family Sciences) and Tammy Freeberg, MSW (The Village for Families and Children) -"Truancy Prevention Efforts to Interrupt the School to Prison Pipeline."

CSCH-Undergraduate Events

On October 30, 2018, CSCH collaborated with the Public Health House Learning Community to host "Field of Dreams: Building Links in Health and Education Using the Whole School, Whole Community, Whole Child (WSCC) Model." The event included a faculty panel discussion about the successes and challenges of working on health and education research, and breakout sessions on family engagement, employee wellness, health services, and physical activity.

During National Public Health Week, CSCH collaborated with the Public Health House Learning Community, School of Nursing, and Human Rights Institute to host, "Gun Violence Prevention: A Public Health Imperative," on April 2, 2019. The event, attended by over 100 students, staff, and faculty, included a panel discussion with Greg Jones, MBA, MPA, Vice President of Community Health and Engagement at Hartford

CSCH Leadership

Co-Directors Sandra Chafouleas, PhD (Educational Psychology) and Carol Polifroni, EdD, NEA-BC, CNE, RN, ANEF (Nursing)

Supporting Strong Science

Healthcare; State Representative Jillian Gilchrest, MSW; and Mary Bernstein, PhD (Sociology).

Training Focused on Sharing Research with Non-Academic Audiences

In September 2018, CSCH partnered with UConn Communications to bring editors from The Conversation to campus. The information session focused on how to pitch and write articles about research for The Conversation, a media outlet that delivers news and perspectives from the academic and research community directly to the public. This was followed in November 2018 by a panel discussion on "Writing for The Conversation," featuring UConn faculty who have published in this outlet, including Joseph Cooper, PhD (Educational Leadership), Charles Venator-Santiago, PhD (Political Science and El Instituto). Michael White. PharmD, FCP, FCCP (Pharmacy Practice), and Erin Young, PhD (Nursing). The discussion was moderated by Kristen Cole, Director of News and Editorial Communications at UConn.

In March and April 2019, CSCH, InCHIP, the Neag School of Education, and the Journalism Department co-sponsored a twopart workshop entitled "Telling Your Story: Tips from Journalists to Bring Your Research to the Public." Part one, moderated by Marie Shanahan, MS (Journalism), was a panel discussion with members of the media about how to pitch a story, news writing vs. academic writing, how to target specific audiences, and how to use social media to engage an audience. Part two was a writing workshop, where attendees submitted written pieces in advance of the workshop and received constructive feedback from journalists and peers. "It gave us a chance to practice what we learned in the first round and then get very tailored recommendations." said CSCH affiliate and Social Work Graduate Student Alysse Melville Loomis, LCSW, MSW.



CSCH Co-Director Sandra Chafouleas, PhD (Educational Psychology).

CSCH Releases Brief Reports

The Collaboratory published two brief reports during the 2018-19 academic year written for a broad audience, including school administrators, policymakers, researchers, and the general public:

- "Team Science Principles in School and Child Health Research" by Lisa Sanetti, PhD (Educational Psychology). This report establishes the rationale for a team science approach to addressing school and child health issues. These are highly complex issues, so collaboration across diverse disciplines, child-serving systems, stakeholders, and developmental levels is critical to resolving them.
- "School-Based Health Centers: A Means to Meet the Whole School, Whole Community, Whole Child Model" by Katherine Bernier-Carney, RN, PhD (recent PhD Graduate from Nursing), Carol Polifroni, EdD, NEA-BC, CNE, RN, ANEF (Nursing), and Alison Moriarty Daley, PhD, APRN, PPCNP-BC, FAAN (Yale School of Nursing). This report outlines adolescent health care needs in schools and provides recommendations for meeting these needs using the Whole School, Whole Community, Whole Child (WSCC) approach. The established links between academic outcomes, health status, and individual wellbeing for adolescents support the need for a whole child approach to health care that is built on trusting relationships and a supportive network.

Whole School, Whole Community, Whole Child (WSCC) Model Blueprint Tool and Video Modules

Since the ASCD (Association for Supervision and Curriculum Development) and CDC jointly released the WSCC model in 2014, schools and organizations have been working to implement the model effectively. In partnership with staff from New Haven Public Schools and the CT State Department of Education, CSCH Steering Committee members developed a WSCC Blueprint to guide planning, implementation, and evaluation efforts that inform coordination of policies, processes, and practices in school and child health. Supporting materials include brief video modules and written papers that explain the WSCC model, discuss examples of school initiatives, and describe the positive outcomes school personnel have observed.

InCHIP Faculty Excellence Awards Announced

In FY19, InCHIP created three new excellence awards to recognize the outstanding work of InCHIP faculty affiliates. The following awardees each received \$500 in research funds:

Junior Faculty Research Excellence Award

Due to the high quality of the junior faculty applications, two faculty were recognized in this inaugural year:

- **Molly Waring**, PhD (Allied Health Sciences) Waring came to Storrs in 2017 with an NIH-funded grant; she is the Principal Investigator on a three-year R34 planning grant (\$702,982) testing a Facebook weightloss program for new mothers. Waring has published over 100 peer-reviewed articles, many focusing on pregnancy and postpartum periods as critical windows for health behaviors. Waring's productivity, as noted by one of her nominators, "... is a direct result of her extraordinary intellect, strong work ethic, insatiable curiosity, and exceptional ability to function as a team player."
- **Ryan Watson**, PhD (Human Development and Family Sciences) Watson joined the UConn faculty in August 2016 and has made an immediate impact with his research on LGBTQ+ adolescents, mental health, substance use, and family relationships. In just three years, he has submitted two NIH grants, including his funded five-year K01 Career Development Award (\$952,225), and published over 30 peerreviewed articles. As noted by one of his nominators, Watson "... is well on his way to being a superstar in the field."

Community-Engaged Health Research Excellence Award

 Julie Wagner, PhD (Behavioral Sciences and Community Health) – Wagner has been making a difference in the community for over a decade. Her research explores how to prevent and manage diabetes in a number of underserved populations, including Khmer refugees, Latinos, and individuals with mental illness. Wagner is passionate about her work, as noted by one of her nominators: "...her communityengaged health research demonstrates a remarkable commitment to collaboration with community partners, always with the goal of enhancing the community's health through original and influential scientific contributions."

Excellence in Faculty Mentoring Award

Michelle Cloutier, MD (Pediatrics/Connecticut Children's Medical Center) — Over the course of her tremendously productive career, Cloutier established an extensive track record of supporting junior faculty, many of whom went on to be successful independent scientists. More than 20 UConn faculty benefited from Cloutier's mentorship, and her impact is lasting. In the words of one of her nominators, Cloutier "... is the ultimate embodiment of a mentor, passionate scientist, compassionate clinician, and dear friend. [Her] perpetual inquisitiveness encourages others to identify what the essence is in their research, programs, and lives."





Inaugural Fisher Fellowship Award Bestowed



UConn Vice President for Research Radenka Maric, PhD; InCHIP Founding Director (Emeritus) Jeffrey Fisher, PhD; Fisher Fellowship recipient Lucy Finkelstein-Fox; InCHIP Director Amy Gorin, PhD.

Upon his retirement in September 2018, InCHIP's Founding Director Jeffrey Fisher, PhD, his family, friends, and colleagues created the "Jeffrey D. Fisher Health Behavior Change Research Fellowship."

The fellowship honors Fisher's legacy at UConn while advancing the research of graduate students working on dissertations in the health behavior field. Each spring, the Fisher Fellowship will award a \$2,000 stipend to a promising graduate student embarking on their dissertation research. In this inaugural year, the Office of the Vice President for Research matched the stipend, allowing for a \$4,000 award.

Lucy Finkelstein-Fox, a PhD student in Clinical Psychology mentored by Crystal Park, PhD (Psychological Sciences), was awarded the first Jeffrey D. Fisher Health Behavior Change Research Fellowship and was recognized at a March 2019 reception. For her dissertation, Finkelstein-Fox will explore how the meaning that people associate with the loss of a loved one while they are grieving, impacts their mood and the quality of their sleep. Her research will provide the first comprehensive, longitudinal model of reciprocal change in cognition, mood, and sleep over the course of bereavement and could potentially inform personalized bereavement interventions.

At the reception, the UConn Board of Trustees dedicated InCHIP's Colloquium Room as the "Jeffrey D. Fisher, PhD Colloquia and Seminar Room." More information on these annual InCHIP award opportunities can be found on the InCHIP Website.

From Smoking to Gun Violence, InCHIP Lectures Showcase Latest Research Findings

The InCHIP Lecture Series hosted dynamic speakers in FY19, who shared their insights on critical health issues. These nationally recognized researchers presented in Storrs and Hartford, reaching over 500 faculty, students, and community members. Working with a diverse group of co-sponsors, the lectures encouraged campus-wide discussions around the value of data-driven public health research at the local, national, and global level. Below are two examples of these broader efforts:

> **World Mental Health Day Recognized with Campus-Wide Loneliness Symposium -** InCHIP partnered with Counseling and Mental Health Services (CMHS) to recognize World Mental Health Day on October 11, 2018. Julianne Holt-Lunstad, PhD from Brigham Young University, shared her research on social disconnection as a public health concern. This was followed by a panel discussion featuring Holt-Lunstad, CMHS Director Betsy Cracco, PhD, Gina Barreca, PhD (English), and students Alondra Marmolejos and Derek Pan who offered their observations about loneliness on the UConn campus.

> **Gun Violence Prevention Conference Held in Hartford during Public Health Month** - A group of gun violence researchers, government officers, elected officials, and community-based advocates from around the state and country gathered in Hartford on April 4 and 5, 2019 for the first conference of its kind in Connecticut. The conference - "Correlates, Causes, and Solutions for Firearm Violence in America" - was organized by Mary Bernstein, PhD (Sociology), Blair Johnson, PhD (Psychological Sciences), and Kerri Raissian, PhD (Public Policy). The InCHIP Lecture Series sponsored the conference's keynote speaker, Harvard University Professor of Health Policy and Director of the Harvard Injury Control Research Center, David Hemenway, PhD, who shared research on the impact firearm policies and gun ownership rates have on gun violence in the United States.

Lecture Series Speakers and Presentations



Julianne Holt-Lunstad, PhD (Brigham Young University), Gina Barreca, PhD (English), Betsy Cracco, PhD (CMHS), Amy Gorin, PhD (InCHIP/Psychological Sciences), and students Derek Pan and Alondra Marmolejos.

Fall 2018

Judson Brewer MD, PhD, Brown University

"The Craving Mind: From Cigarettes to Smartphones, Why We Get Hooked and How Mindfulness Can Help Break the Habit Cycle"

Dwayne Proctor, PhD, Robert Wood Johnson Foundation

"Robert Wood Johnson Foundation's Journey to Achieve Health Equity"

Julianne Holt-Lunstad, PhD, Brigham Young University

"Social Disconnection as a Public Health Concern"

Shira Dunsiger, PhD, The Miriam Hospital and Brown University

"Patterns of Change in Behavioral Medicine: A Case Study"

Lisa Hightow-Weidman, MD, MPH, The University of North Carolina at Chapel Hill

"Innovations in Mobile Technology for Engaging Youth in Treatment and Prevention"

Spring 2019

Catherine Panter-Brick, MA, MSc, DPhil, Yale University

"A Biocultural Approach to Evaluating Psychosocial Interventions: Refugee Mental Health, Stress, and Resilience"

Nanette Wenger, MD, MACC, MACP, FAHA, Emory University School of Medicine

"Understanding the Journey: The Past, Present, and Future of CVD in Women"

Brian Hitsman, PhD, Northwestern University "Population Health Management for Smoking Cessation in Low-Income Smokers"

Stephen Russell, PhD, The University of Texas at Austin

"LGBTQ Youth Today: (Why) Aren't Things Better?"

David Hemenway, PhD, Harvard University "Guns and Public Health: Recent Research Findings from the Harvard Injury Center"

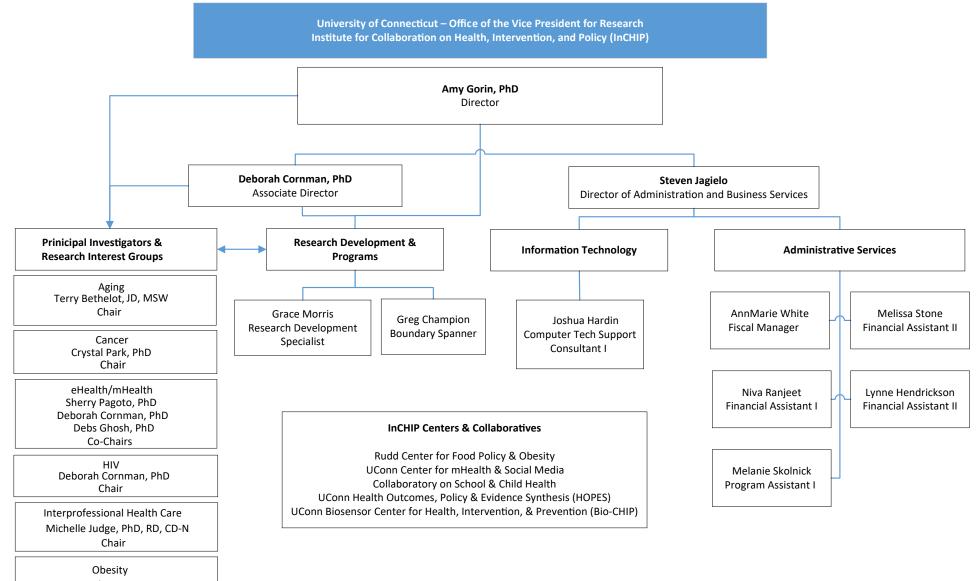
Wendy Troxel, PhD, RAND Corporation and University of Pittsburgh

"The Social Nature of Sleep: From Couples to Communities to Policy"

InCHIP Lecture Series Co-Sponsors

- Alcohol Research Center
- Allied Health Sciences
- Center for Environmental Health and Health Promotion
- College of Liberal Arts and Sciences
- Communication
- CT Institute for the Brain and Cognitive Sciences (IBACS)
- Counseling and Mental Health Services
- Economics
- Human Development and Family Sciences
- Kinesiology
- Molecular and Cell Biology

- Neag School of Education
- Nutritional Sciences
- Office of Global Affairs
- Psychiatry
- Rainbow Center
- School of Medicine
- School of Nursing
- School of Pharmacy
- School of Social Work
- Statistics
- Women's, Gender, and Sexuality Studies



Kim Gans, PhD & Amy Gorin, PhD Co-Chairs

	APP	ENDIX: InCHIP I	- Y19 Ne	w and Active Re	search Awards	(May 16, 2018 – J	lune 30, 2019)
Principal Investigator	Dept	Total Costs Awarded	Yrs	Start Date	End Date	Agency	Title
Andreyeva, T. *	ARE	\$16,498	0.25	7/1/2018	9/30/2018	CT State Board of Education	Child and Adult Care Food Program (CACFP) Expansion
Andreyeva, T.	ARE	\$60,907	0.75	10/1/2017	6/30/2018	CT DPH / CDC	Increasing Participation in the Child and Adult Care Food Program (CACFP)
Andreyeva, T.	ARE	\$64,998	2	9/30/2017	9/30/2019	Child Health and Dev Institute of CT, Inc.	Barriers to Participation in the Child and Adult Care Food Program in Connecticut: Opportunities for Expansion
Andreyeva, T. *	ARE	\$21,086	1	9/30/2018	9/30/2019	CT State Board of Education	Supporting Child and Adult Care Food Program (CACFP) Sponsors in Connecticut
Andreyeva, T. *	ARE	\$100,000	1.58	3/1/2019	9/29/2020	CT DPH / CDC	Improving Nutrition Standards in Early Childhood Education Settings
Andreyeva, T. *	ARE	\$150,700	1.5	3/1/2019	8/31/2020	RWJF	The Impact of the Community Eligibility Provision: A National Quasi- Experimental Evaluation
Andreyeva, T. *	ARE	\$61,100	0.83	3/1/2019	12/31/2019	World Health Organization	Fiscal and Pricing Policies on Foods and Non-Alcoholic Beverages
Baker, W.	PHAR	\$380,000	0.83	9/11/2017	7/9/2018	AHRQ	Treatment of Depression for Older Adults
Baker, W. *	PHAR	\$355,000	1	8/7/2018	7/2/2019	AHRQ	Acute Pain Management by EMS in the Prehospital Setting
Bellizzi, K. *	HDFS	\$45,000	1	8/1/2018	7/31/2019	CT Breast Health Initiative	Genetic Counseling for BRCA1/2 Mutations: Preferences and Outcomes of Counseling
Buckley, T.	PHAR	\$421,078	4.67	11/1/2013	6/29/2018	CT DPH / CDC	State Public Health Actions to Prevent and Control Diabetes, Heart Disease, Obesity and Associated Risk Factors, and Promote School Health — Pharmacy Initiative

	APP	ENDIX: InCHIP F	Y19 Ne	w and Active Re	search Awards ((May 16, 2018 – J	June 30, 2019)
Principal Investigator	Dept	Total Costs Awarded	Yrs	Start Date	End Date	Agency	Title
Buckley, T.	PHAR	\$48,768	1	6/30/2017	6/29/2018	CT DPH / CDC	State Public Health Actions to Prevent and Control Diabetes, Heart Disease, Obesity and Associated Risk Factors, and Promote School Health — Pharmacy Initiative (Diabetes Enhanced) - YEAR 5 SUPPLEMENT
Buckley, T.	PHAR	\$60,000	1	6/30/2017	6/29/2018	CT DPH / CDC	Connecticut Pharmacy WISEWOMAN Project - CONTINUATION
Buckley, T. *	PHAR	\$6,000	0.25	6/30/2018	9/29/2018	CT DPH / CDC	State Public Health Actions to Prevent and Control Diabetes, Heart Disease, Obesity and Associated Risk Factors, and Promote School Health — Pharmacy Initiative (22662 SUD)
Buckley, T. *	PHAR	\$14,000	0.25	6/30/2018	9/29/2018	CT DPH / CDC	State Public Health Actions to Prevent and Control Diabetes, Heart Disease, Obesity and Associated Risk Factors, and Promote School Health — Pharmacy Initiative (22662 SUH)
Butler, L.	CHIP	\$3,226,304	5	5/1/2016	4/30/2021	NIH / NIMH	Multi-Sectoral Agricultural Intervention to Improve Nutrition, Health, and Developmental Outcomes of HIV-Infected and Affected Children in Western Kenya
Butler, L.	CHIP	\$108,508	3	5/1/2016	4/30/2019	UCSF / NIH / NIMH	Cognitive Behavioral and Structural HIV Prevention Intervention for Young Ugandan Women Engaging in High- Risk Sexual Behavior
Butler, L.	CHIP	\$81,088	4	5/1/2016	4/30/2020	UCSF / NIH / NCI	Promoting Early Diagnosis of Kaposi's Sarcoma in Uganda
Butler, L.	CHIP	\$74,138	4	5/1/2016	4/30/2020	UCSF / NIH / NIMH	Agricultural Intervention for Food Security and HIV Health Outcomes in Kenya

	APP	ENDIX: InCHIP I	- Y19 Ne	w and Active Re	search Awards	(May 16, 2018 – J	lune 30, 2019)
Principal Investigator	Dept	Total Costs Awarded	Yrs	Start Date	End Date	Agency	Title
Butler, L.	CHIP	\$62,873	3	7/1/2017	7/31/2020	UCSF / NIH	Improving Uptake and Adherence to HIV Prevention Services with PrEP, HIV Self-Testing and Adherence Support for Very High Risk HIV- Negative Young Women aged 15-24 in Kampala, Uganda
Butler, L.	CHIP	\$100,000	1.5	5/1/2018	10/31/2019	Gates Foundation	Optimizing Mother and Child Health and Development in Botswana
Butler, L. *	CHIP	\$69,146	2.83	6/8/2018	3/31/2021	Brigham and Women's Hospital	Randomized Controlled Trial of Standing Tall — A Community-Based Intervention to Improve Linkage, Retention and Health Outcomes for Newly Diagnosed HIV-Positive South African Youth
Chafouleas, S.	EPSY	\$1,259,296	3	7/1/2015	6/30/2018	US ED / IES	Exploring the Status and Impact of School-Based Behavior Screening Practices in a National Sample: Implications for Systems, Policy, and Research
Chafouleas, S.	EPSY	\$150,000	3	7/1/2016	6/30/2019	Provost Office	Collaboratory on School and Child Health
Copenhaver, M.	AH	\$697,150	6	4/1/2013	3/31/2019	NIH / NIDA	HIV Prevention and Adherence Among Priority Drug-Using Populations
Copenhaver, M.	AH	\$3,165,148	4.83	9/1/2017	6/30/2022	NIH/NIDA	Testing an Integrated Bio-Behavioral Primary HIV Prevention Intervention among High-Risk People Who Use Drugs
Cornman, D.	CHIP	\$439,122	5	9/30/2015	5/31/2020	Yale / NIH	Working with HIV Clinics to Adopt Addiction Treatments Using Implementation Facilitation (WHAT IF?)
Cornman, D.	CHIP	\$87,925	5	5/1/2018	2/28/2023	NIH / NIMH / Yale University	Center for Interdisciplinary Research on AIDS (CIRA) — RENEWAL

	APP	ENDIX: InCHIP	FY19 Ne	w and Active Re	esearch Awards	(May 16, 2018 – J	une 30, 2019)
Principal Investigator	Dept	Total Costs Awarded	Yrs	Start Date	End Date	Agency	Title
Cruess, D.	PSYC	\$116,371	4	4/1/2016	3/31/2020	Miriam Hospital / NIH / NCCIH	Psychosocial, Immunological, and Biobehavioral Benefits of Stress Management Interventions for Chronic Diseases: Comprehensive Systematic Review and Meta- Analyses
DiStefano, L. *	KINS	\$54,524	2	7/10/2018	7/31/2020	NATA Research & Education Foundation	Comprehensive High School Sport Safety: A Personalized Approach for the Local Implementation of Best- Practice Initiatives
Duffy, V.	AH	\$426,597	5	9/30/2013	8/31/2018	NIH / UConn Health	Taste, Preferences, and Behavior: Effects of Nicotine and Flavorings in Electronic Cigarettes
Duffy, V.	AH	\$97,374	5	9/30/2013	8/31/2018	NIH / UConn Health	Manipulating Tobacco Constituents in Female Menthol Smokers
Duffy, V.	AH	\$751,589	3	10/1/2015	9/30/2018	DSS / USDA / FNS	School and Family-Based SNAP-Ed
Duffy, V. *	AH	\$873,796	3	10/1/2018	9/30/2021	DSS / USDA / FNS	School and Family-Based SNAP-Ed - RENEWAL
Duffy, V. *	AH	\$25,106	2	1/1/2019	12/31/2020	UCHC / AICR	Evaluation of the Preventive and Therapeutic Benefits of the Ellagitannins in the Colon
Eaton, L.	HDFS	\$3,709,316	5	9/26/2016	5/31/2021	NIH / NIMH	Novel Stigma/Structural Interventions for Increasing HIV/STI Testing Among BMSM
Eaton, L. *	HDFS	\$722,781	2.83	8/1/2018	5/31/2021	NIH / NIMH	Unified Approach to Address PrEP Cascade for BMSM
Eaton, L. *	HDFS	\$351,746	4.83	8/1/2018	5/31/2023	UCSD / NIH / NIDA	Estimating Mediation and Moderation Effects in HIV Incidence Prevention Trials
Fein, D.	PSYC	\$1,372,886	5.67	9/25/2014	5/31/2020	Drexel / NIH	Early Detection of Autism Spectrum Disorders
Fein, D.	PSYC	\$3,071,986	4.67	9/7/2017	5/31/2022	Drexel / NIH	Connecting the Dots: An RCT Relating Standardized ASD Screening, Intervention Access, and Long-Term Outcomes

	APP	ENDIX: InCHIP	FY19 Ne	w and Active Re	esearch Awards	(May 16, 2018 – J	une 30, 2019)
Principal Investigator	Dept	Total Costs Awarded	Yrs	Start Date	End Date	Agency	Title
Fleming-Milici, F. *	CHIP	\$275,964	2	4/15/2019	4/14/2021	Duke University / RWJF	Evaluating the Efficacy of Caregiver- Targeted Brief Videos to Discourage SSB Consumption and Encourage Water for Children 9-36 Months Old
Fiala, N. *	ARE	\$180,780	4	6/1/2018	5/31/2022	Farm Fresh Rhode Island / USDA	Optimizing Local Food Outlets: Marketplace and Customer Analysis across New England
Gans, K.	HDFS	\$400,221	5.75	9/1/2014	5/31/2020	NIH / NHLBI / Brown University	Improving Nutrition and Physical Activity Environments in Home-Based Child Care
Gans, K.	HDFS	\$39,618	5	6/1/2015	5/31/2020	NIH / NHLBI / Brown University	Improving Nutrition and Physical Activity Environments in Home-Based Child Care - SUPPLEMENT
Gans, K.	HDFS	\$747,783	3.83	9/1/2016	6/30/2020	NIH / NHLBI	Physical Activity in Latino Men Through Tailoring: Hombres Saludables
Gans, K.	HDFS	\$158,958	2.67	9/15/2017	5/31/2020	NIH / NHLBI / Brown University	Improving Nutrition and Physical Activity Environments in Home-Based Child Care - DIVERSITY SUPPLEMENT
Gans, K. *	HDFS	\$163,817	3	7/15/2018	6/30/2021	URI / NIH	A Home-Based Video and Motivational Interviewing Intervention to Improve Preschoolers' Diet Quality and Parental Food Parenting Practices
Gerrard, M.	PSYC	\$277,346	3.75	9/15/2014	6/30/2018	University of Iowa / NIH	Smoking-Associated Demethylation
Ghosh, D.	GEOG	\$863,345	5.5	8/1/2014	1/31/2020	NIH / NIDA	Connecting People, Places, and Barriers: The Effect of These Connections on Adherence and Retention in Care for HIV-Infected Drug Users
Gibbons, R.	PSYC	\$120,870	2.33	9/20/2016	1/31/2019	NIH / NIAAA / Washington State University	Social Determinants of Inflammation and Metabolic Syndrome Among African Americans
Gibbons, R.	PSYC	\$2,823,769	5.75	9/15/2014	6/30/2020	NIH / NIDA	Health Behaviors among Young Black Adults: Risk and Resilience

	APP	ENDIX: InCHIP I	FY19 Ne	w and Active Re	esearch Awards	(May 16, 2018 – 、	June 30, 2019)
Principal Investigator	Dept	Total Costs Awarded	Yrs	Start Date	End Date	Agency	Title
Gibbons, R. *	PSYC	\$3,248,668	5	8/2/2018	7/31/2023	NIH / NCI	Contextual and Health Behavior Effects on Epigenetic Aging Among African Americans
Glenney, S.	KINS	\$84,775	4	5/1/2017	4/30/2021	UConn Health / PCORI	3D Team Care for Cognitively Vulnerable Older Adults
Gorin, A. *	PSYC	\$440,875	2	9/20/2018	8/31/2020	NIH / NINR	Is Long-Term Maintenance Worth the Wait? Using Real-Time Data Capture to Examine Delayed Discounting as a Putative Target of Physical Activity Adherence in Weight Loss Maintenance Interventions
Gorin, A. *	PSYC	\$135,216	2	4/1/2019	3/31/2021	CCMC / NIH	Pain and Weight Treatment: Development and Trial of PAW
Harris, J.	AH	\$1,996,361	1.83	4/1/2017	1/31/2019	Robert Wood Johnson Foundation	Encouraging Industry and Government Action to Reduce Marketing of Unhealthy Foods to Children— FY17 RENEWAL
Harris, J.	AH	\$64,982	2	10/1/2017	9/30/2019	Child Health and Dev. Institute of Connecticut Inc.	Communicating Best Practices in Feeding Young Children
Harris, J. *	AH	\$707,596	0.75	2/1/2019	10/31/2019	RWJF	Encouraging Industry and Government Action to Reduce Marketing of Unhealthy Foods to Children — FY18 RENEWAL
Holle, L.	PHAR	\$7,442	1.5	5/1/2018	10/31/2019	International Society of Oncology Pharmacy Practitioners (ISOPP)	Can Spinners Improve Understanding of Adverse Events in Patients with Cancer?
Johnson, B.	PSYC	\$475,521	3.42	8/1/2017	12/31/2020	Elsevier LTD	Senior Editorship, Social Sciences & Medicine — CONTINUATION
Johnson, B.	PSYC	\$722,569	3.42	1/1/2017	5/31/2020	Columbia University / NIH	InCHIP Healthy Habits Systematic Review Project
Kalichman, S.	PSYC	\$2,813,490	5.83	4/1/2013	1/31/2019	NIH / NIDA	Enhanced STI/HIV Partner Notification in South Africa

	APP	ENDIX: InCHIP	FY19 Ne	w and Active Re	esearch Awards	(May 16, 2018 – J	lune 30, 2019)
Principal Investigator	Dept	Total Costs Awarded	Yrs	Start Date	End Date	Agency	Title
Kalichman, S.	PSYC	\$3,363,244	5	9/10/2014	8/31/2019	NIH/NIAAA	Comparative Effectiveness Trial for Retention Adherence Health
Kalichman, S.	PSYC	\$130,663	5	7/28/2015	6/30/2020	San Diego State University / NIH / NIMH	Enhanced Linkage to HIV Care Following Home-Based HIV Testing in Rural Uganda
Kalichman, S.	PSYC	\$1,712,640	5	7/1/2016	6/30/2021	NIH / NIMH	Training in Social Processes of HIV/ AIDS
Kalichman, S.	PSYC	\$3,552,398	4.83	8/15/2016	6/30/2021	NIH / NIDA	Unified Intervention to Impact HIV Care Continuum
Kalichman, S.	PSYC	\$303,257	2.5	3/1/2017	8/31/2019	NIH / NIAAA	Comparative Effectiveness Trial for Retention Adherence Health — SUPPLEMENT
Kalichman, S.	PSYC	\$254,071	1.5	9/1/2017	2/28/2019	State University of New York / NIH / NIDDK	Behavioral Adherence in Emerging Adults with Type 2 Diabetes: Ancillary Study
Kalichman, S.	PSYC	\$99,783	2	9/1/2017	8/31/2019	NIH / NIAAA	Comparative Effectiveness Trial for Retention Adherence Health - GENDER DIVERSITY SUPPLEMENT
Kalichman, S. *	PSYC	\$147,737	2	7/1/2018	6/30/2020	NIH / NIDA	Unified Intervention to Impact HIV Care Continuum - SUPPLEMENT
Leahey, T.	AH	\$130,148	5	9/25/2014	8/31/2019	Virginia Commonwealth University / NIH	Low-Intensity Weight Loss for Young Adults: Autonomous vs. Extrinsic Motivation
Leahey, T.	AH	\$3,155,862	4.75	8/20/2017	5/31/2022	NIH / NIDDK	Peer Support for Weight Loss Maintenance
Lepley, L.	KINS	\$2,500	3	11/2/2015	10/31/2018	New England American College of Sports Medicine	Targeting Neural Pathways after ACL Reconstruction Using Eccentric Cross-Exercise
Lepley, L.	KINS	\$22,998	2.75	7/1/2016	10/1/2019	NATA Research & Education Foundation	Eccentric Exercise to Promote Immediate Beneficial Adaptations in Muscle
Lepley, L.	KINS	\$707,260	5	4/1/2018	3/31/2023	NIH	Influence of Eccentric Exercise on Muscle and Joint Health After ACL Injury

	APP	ENDIX: InCHIP I	- Y19 Ne	w and Active Re	esearch Awards	(May 16, 2018 –	June 30, 2019)
Principal Investigator	Dept	Total Costs Awarded	Yrs	Start Date	End Date	Agency	Title
Lepley, L. *	KINS	\$7,007	0.67	9/1/2018	4/30/2019	University of Michigan / NIH	MiACLR: Michigan Initiative for ACL Rehabilities
Mancini, S. *	CHIP	\$92,518 (\$9,100 added in FY19)	2	10/1/2017	10/31/2019	Center for Agriculture and Food Systems, Vermont Law School (CAFS) / USDA	Foodworks: Pioneering State and Local Food Policies — RENEWAL
McCaffery, J.	AH	\$218,784	1.58	8/23/2017	3/31/2019	NIH / NIDDK	Salivary amylase gene (AMY1) as a Predictor of Weight and Diet in Look AHEAD and DPP
McCaffery, J. *	AH	\$12,041	0.42	2/1/2019	6/30/2019	Westat / NIH	Randomized Controlled Trials of Lifestyle Weight Loss Interventions for Genome-Wide Association Studies
Mobley, A.	NUSC	\$419,801	2.92	6/1/2016	4/30/2019	NIH / NICHD	Father-Focused Nutrition and Parenting Program to Help Prevent Childhood Obesity in Preschool-Age Children
Mobley, A.	NUSC	\$149,996	3	6/1/2017	5/31/2020	USDA / NIFA	Development and Pilot Testing of mHealth Enhancements for a Father-Focused Childhood Obesity Prevention Program
Pagoto, S.	AH	\$296,406	2.5	8/23/2017	3/31/2020	NIH / NHLBI	Mentoring in mHealth and Social Networking Interventions for CVD Risk Reduction
Pagoto, S.	AH	\$528,993	2.75	8/23/2017	5/31/2020	Klein Buendel / NIH / NCI	Likes Pins and Views: Engaging Moms on Teen Indoor Tanning Thru Social Media
Pagoto, S.	AH	\$1,219,218	3	8/23/2017	7/31/2020	NIH / NCI	Get Social: Randomized Trial of a Social Network Delivered Lifestyle Intervention
Pagoto, S.	AH	\$756,757	4.75	8/23/2017	5/31/2022	Rutgers University / NIH	Randomized Trial of a Behavioral Intervention Targeting Indoor Tanning Users

	APP	ENDIX: InCHIP	FY19 Ne	w and Active Re	esearch Awards	(May 16, 2018 – J	lune 30, 2019)
Principal Investigator	Dept	Total Costs Awarded	Yrs	Start Date	End Date	Agency	Title
Pagoto, S.	AH	\$117,111	2.75	8/23/2017	5/31/2020	Klein Buendel / NIH / NCl	Using Technology to Scale-Up an Occupational Sun Protection Policy Program
Pagoto, S.	AH	\$690,675	2.25	8/23/2017	11/30/2019	NIH	RELAX: A Mobile Application Suite Targeting Obesity and Stress
Pagoto, S.	AH	\$376,782	2	4/1/2018	3/31/2020	NIH / NCI	Using a Narrative-Based Approach to Reducing Indoor Tanning
Pagoto, S. *	AH	\$499,364	5	7/1/2018	6/30/2023	Rutgers University / NIH	Facebook Intervention for Young Onset Melanoma Patients and Families
Pagoto, S. *	AH	\$373,921	5	7/1/2018	6/30/2023	Vanderbilt University / NIH	Communication and Coping: Addressing Mothers' Needs to Improve Outcomes in Adolescents with T1D
Park, C.	PSYC	\$64,144	2.92	7/1/2016	5/31/2019	UCSD / NIH / NCCIH	Mind/Body Interventions for Chronic Low Back Pain and Neck Pain in Military Personnel
Park, C.	PSYC	\$1,474,771	4.75	9/15/2014	6/30/2019	NIH / NIGMS	Self-Regulation Skills as Predictors of URM Student Success Biomedical Research
Park, C.	PSYC	\$218,706	1	9/25/2017	8/31/2018	NIH / NCI	Multilevel Resilience Trajectories in the Transition to Cancer Survivorship
Park, C. *	PSYC	\$2,506,867	4	9/18/2018	8/31/2022	NIH / NCI	Multilevel Resilience Trajectories in the Transition to Cancer Survivorship
Park, C.	PSYC	\$234,800	2	1/1/2018	12/31/2019	John Templeton Foundation	Development and Validation of a Measure of Implicit and Explicit Religious Beliefs
Park, C. *	PSYC	\$234,207	2	1/1/2019	12/31/2020	John Templeton Foundation	Systematic Investigation of U.S. Federal Investments in Research on Religion and Health
Puhl, R.	HDFS	\$126,071	1.58	7/1/2017	1/31/2019	Weight Watchers	Weight Stigma, Internalized Bias, and Coping Strategies in a National Weight Loss Sample

	APP	ENDIX: InCHIP F	Y19 Ne	w and Active Re	esearch Awards	(May 16, 2018 – J	une 30, 2019)
Principal Investigator	Dept	Total Costs Awarded	Yrs	Start Date	End Date	Agency	Title
Puhl, R. *	HDFS	\$334,068	1.75	10/1/2018	6/30/2020	Rudd Foundation	Research and Policy Initiatives on Weight Bias and Discrimination towards Obese Chilldren and Adults - RENEWAL
Rickles, N. *	PHAR	\$125,482	0.92	11/1/2018	9/29/2019	CT DPH / CDC	Engaging Community Pharmacies as Partners in Advancing Participation in the WISEWOMAN Project
Rickles, N. *	PHAR	\$74,035	0.67	2/1/2019	9/29/2019	CT DHMAS	Academic Detailing on Opioid Safety in CT
Schwartz, M.	HDFS	\$360,278	2	1/1/2017	12/31/2018	Horizon Foundation	Improving Nutrition in Howard County: A Strategic Science and Policy Initiative — SUPPLEMENT
Schwartz, M. *	HDFS	\$145,356 (\$41,415 added in FY19)	6	1/6/2015	12/31/2020	Partnership for a Healthier America	Evaluation of Commitments Made by Child Care Centers with Partnership for a Healthier America
Schwartz, M.	HDFS	\$225,575	3.42	2/1/2015	6/30/2018	University of Illinois / USDA	National Wellness Policy Study
Schwartz, M.	HDFS	\$114,948	1.5	7/1/2017	12/31/2018	RWJF / HER 10	Updating the Wellness School Assessment Tool: WellSAT 3.0
Schwartz, M.	HDFS	\$214,806	4.83	9/1/2017	6/30/2022	University of Pennsylvania / NIH	Communicating the Health Risks of Sugar-Sweetened Beverages
Schwartz, M.	HDFS	\$220,429	2	1/1/2018	12/31/2019	Horizon Foundation	Improving Nutrition in Howard County: A Strategic Science and Policy Initiative — CONTINUATION
Schwartz, M. *	HDFS	\$148,682 (\$99,187 added in FY19)	1.67	1/1/2018	8/31/2019	Feeding America	Tracking Nutrition in Food Banks
Schwartz, M. *	HDFS	\$161,352	3.83	7/1/2018	4/30/2022	University of Pennsylvania / NIH	A Randomized Trial of Web-Based Behavioral Economic Interventions to Promote Healthy Food Choices Among Food Pantry Clients
Schwartz, M. *	HDFS	\$11,711	0.67	1/1/2019	8/31/2019	UCSF / RWJF	Expert Committee on Nutrition Standards for Food Banks

	APP	ENDIX: InCHIP I	FY19 Ne	w and Active Re	search Awards ((May 16, 2018 – J	lune 30, 2019)
Principal Investigator	Dept	Total Costs Awarded	Yrs	Start Date	End Date	Agency	Title
Smith, M. *	PHAR	\$299,143	1	2/1/2019	1/31/2020	CT OHS / DHHS	CT State Innovation Model Subject- Matter Expertise for Comprehensive Medication Management and Return on Investment
Snyder, L.	СОММ	\$211,684	2	4/1/2018	3/31/2020	Fred Hutchinson Cancer Research Center / NIH	MsFLASH: Living a Healthy Menopause
Taylor, B.	KINE	\$153,955	3	7/1/2017	6/30/2020	American Heart Association	Near Infrared Spectroscopy (NIRS) to Diagnose Statin-Associated Muscle Symptoms
Wang, F.	PHAR	\$281,068	2.67	5/1/2017	12/31/2019	CT DPH	Best Practices in Tobacco Use Prevention and Control
Waring, M.	AH	\$702,982	2.58	8/23/2017	3/31/2020	NIH / NHLBI	Delivering a Post-Partum Weight Loss Intervention via Facebook vs. In- Person Groups: A Feasibility Pilot Trial
Watson, R. *	HDFS	\$952,225	5	4/1/2019	3/31/2024	NIH	PrEP and Substance Use among Sexual Minority Young Adults
White, C. M.	PHAR	\$255,000	4.75	12/1/2014	8/31/2019	AHRQ	Evidence-Based Practice Center (EPC) V
Willen, S.	ANTH	\$699,960	3	10/15/2017	10/14/2020	RWJF	Who Deserves a Healthy Life? How Implicit "Deservingness Assessments" Can Advance, or Obstruct Efforts to Tackle Health Inequities
TOTAL ACTIVE GRANTS AWARD	118	\$69,637,854					

*Indicates that the project or a portion of the project was newly awarded in FY19

Department:	
-------------	--

AH	Allied Health Sciences	GEOG	Geography
ANTH	Anthropology	HDFS	Human Development and Family Sciences
ARE	Agricultural & Resource Economics	KINS	Kinesiology
CHIP	Institute for Collaboration on Health, Intervention, and Policy	NUSC	Nutritional Sciences
COMM	Communication	PHAR	Pharmacy Practice
EPSY	Education Psychology	PSYC	Psychological Sciences