



EASTERN MICHIGAN UNIVERSITY

Advancing Research at EMU: Multidisciplinary Grant Successes

Graduate Studies & Research Presentation

EMU Board of Regents

February 7, 2019

Introduction

- National Institutes of Health: “PediaTrac”
- Centers for Disease Control & Prevention: Racial and Ethnic Approaches to Community Health
- TRiO: Student Support Services
- TRiO: Veterans Student Support Services

PediaTrac: Web-based measure to screen and track early developmental trajectories

Funded by: NIH, Eunice Kennedy Shriver National Institute of Child Health & Human Development

Five year total: \$4,474,265 (with \$824,291 obligated in FY2019); Grant No.: 1R01HD095957; Project Period: 8/10/2018 – 6/30/2023

Project Summary

The goal of this project is to develop PediaTrac, an innovative web-based caregiver-report measure used to assess and track multiple domains of infant and toddler development. These data can be used to track developmental status and change, response to intervention, and can be linked with developmental changes in brain structure and function. There is a significant need for an efficient, low-cost, yet comprehensive measure to evaluate and track infant/toddler developmental status and intervention outcomes. Such a measure could identify optimal and suboptimal developmental changes early in life, the factors associated with these changes, and the effects of early interventions.

NIH Principal Investigators:

- Renee Lajiness-O'Neill, Ph.D., Professor, Psychology, Eastern Michigan University
- Alissa Huth-Bocks, Ph.D., Case Western Reserve University
- Hudson Taylor, Ph.D., Nationwide Children's Hospital
- Seth A Warschausky, Ph.D., University of Michigan

EMU Site Co-Investigators:

- Judith Brooks, Ph.D., Professor, School of Health Sciences
- Angela Lukomski, D.N.P., Associate Professor, School of Nursing

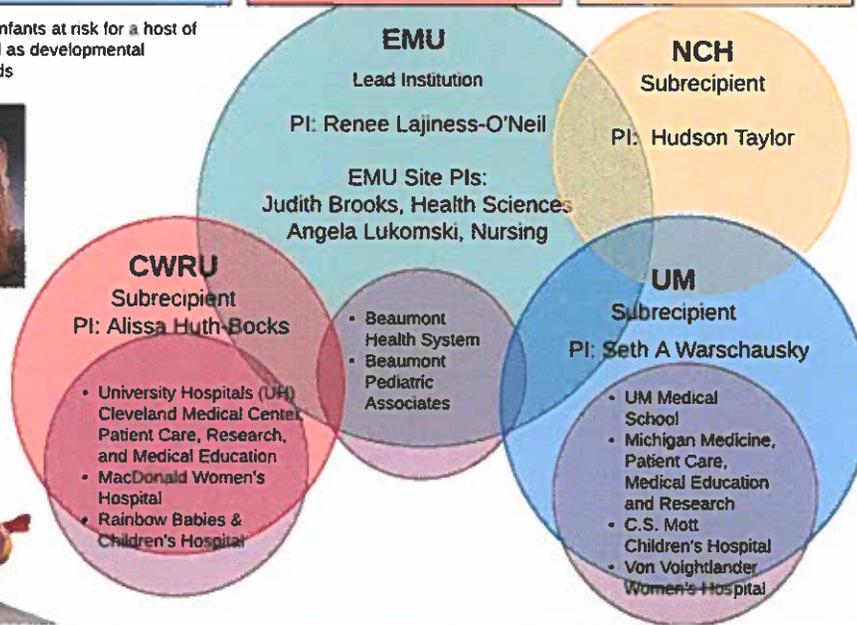
Eastern Michigan University
(est. \$1,051,582)

University of Michigan
(est. \$1,862,348)

Case Western Reserve University
(est. \$1,340,855)

Nationwide Children's Hospital
(est. \$219,480)

Benefits and Outcomes: Early identification of infants at risk for a host of medical and neurodevelopment disorders, as well as developmental psychopathology using complex modeling methods



Evidence-based strategies to empower Asian Americans in reducing health disparities

Five year total: \$2,966,535 (with \$593,307 obligated in FY2019); Funded by: Centers for Disease Control

Award No.: 1 NU58DP006590-01-00; Project Period: 9/30/2018 – 9/29/2023

Summary: In partnership with the CDC Reach Program, HAAP at EMU will work with the ACTIVE Coalition to implement and evaluate evidence-based strategies with input from AA communities to reduce health disparities and prevent chronic diseases. The project will address three of the four CDC REACH identified areas: domain 1) nutrition, domain 2) physical activity, and domain 4) community-clinical linkage. This project builds upon previous work and collaborations of HAAP at EMU with its multi-sector partners to enhance the capacity for AA communities to implement evidence-based community health interventions to reduce health disparities that are affecting Asian-American communities.

EMU Project Leadership Team

Project Director: Dr. Tsu-Yin Wu, Professor, Nursing and Director of HAAP at EMU

Nutrition Director: Dr. Alice Jo Rainville, Professor, Health Sciences

Nutrition Co-Director: Dr. Olivia Ford, Assistant Professor, Health Sciences

Physical Activity Director: Dr. Xining Yang, Assistant Professor, Geography and Geology

Project Manager: Dr. Meriam Caboral-Stevens, Assistant Professor, School of Nursing

Project Evaluator: Dr. John Sonnega, Assistant Professor, School of Health Sciences



Healthy Asian American Project (HAAP) at Eastern Michigan University

HAAP established in 1996, moved to EMU in 2009. Directed by Dr. Tsu-Yin Wu, HAAP promotes health and well-being to reduce health disparities among Asian-Americans. HAAP has demonstrated success, establishing a decades-long track record of securing external funding for its activities from agencies and foundations.

Asian Communities Toward Innovative Visionary Environment (ACTIVE)

The ACTIVE Coalition members have expertise in diverse sectors and a long-standing history of working together successfully on various health-related projects to empower Asian communities to take action on health disparities. ACTIVE Coalition includes members from 17 organizations, representing the priority population, health care, community-based organizations, and state/local public health departments.

HAAP's Current External Funding

HAAP Director and PI: Dr. Tsu-Yin Wu

Susan G. Komen for the Cure

Amount: \$175,000

Project Period: 03/01/2018 – 12/31/2020

Michigan Department of Health and Human Services

Amount: \$35,000

Project Period: 10/01/2018-09/30/2019

Michigan Department of Health and Human Services

Amount: \$40,000

Project Period: 10/01/2018-09/30/2019

Source: Center for Medicare Medicaid Services (CMS)

Amount: \$140,718

Project Period: 09/12/2018-09/11/2019

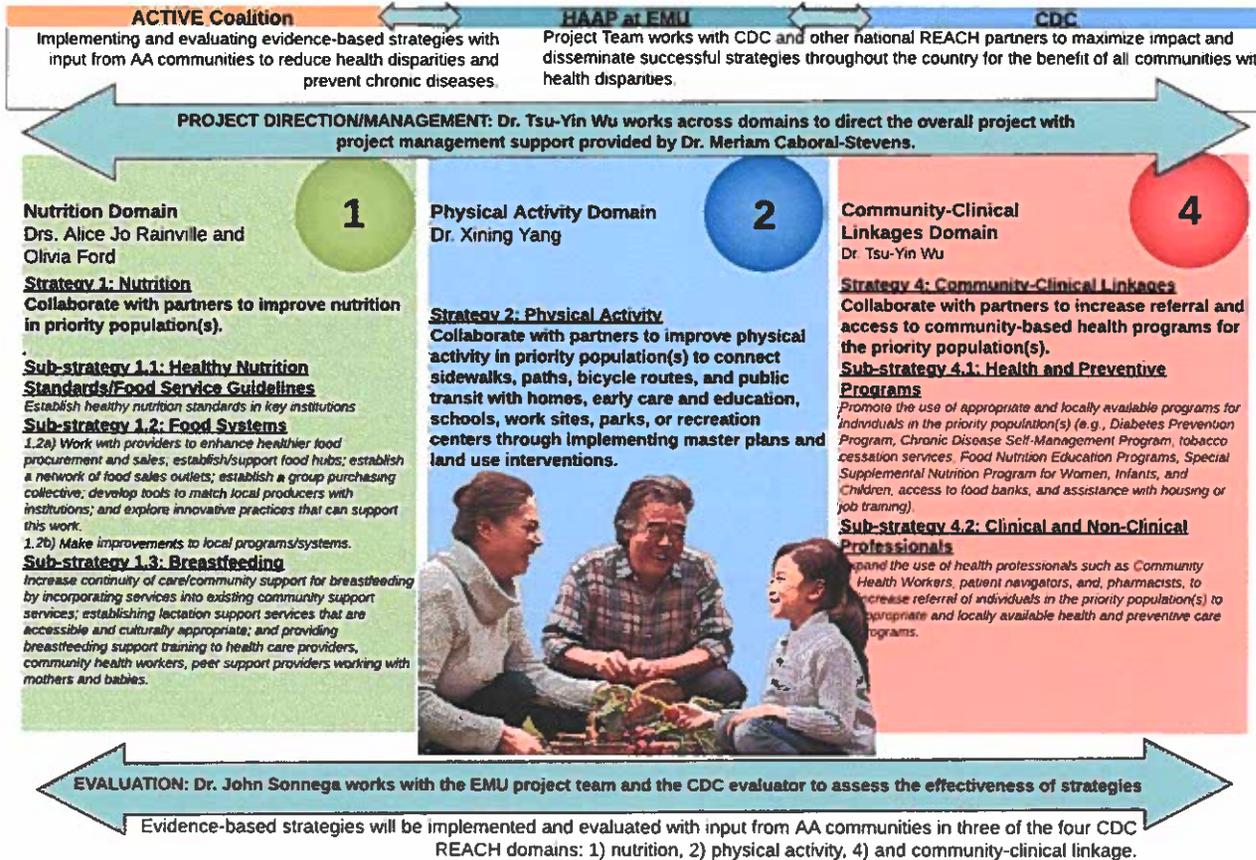


CDC REACH PROGRAM
Racial and Ethnic Approaches to Community Health (REACH)

REACH is a national program administered by the Centers for Disease Control and Prevention (CDC) to reduce racial and ethnic health disparities. Through REACH, awardee partners plan and carry out local, culturally appropriate programs to address a wide range of health issues among African Americans, American Indians, Hispanics/Latinos, Asian Americans, Alaska Natives, and Pacific Islanders.

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The Necessary Ingredients for Success:

- At least one faculty member who is experienced with grant writing and grant management
- Interdisciplinary team of faculty who have strong research records
- Connections to people and agencies outside of EMU

PediaTrac



Renee Lajiness-O'Neil

- Faculty Lead of the new Neuroscience Program
- Faculty Research Fellowship FY15
 - 50% FA14/WI15 & release SSM \$1,000
- Research Support Award FY15
 - SSM \$1,000
- Research Support Award FY16
 - SSM \$2,100



Judi Brooks

- Faculty Research Fellowship FY15
 - 50% FA14/WI15 release & SSM \$1,000
- Research Support Award FY16
 - SSM \$1,400



Angela Lukomski

- Faculty Research Fellowship FY15
 - 50% FA14/WI15 release & SSM \$1,000
- Research Support Award FY16
 - SSM \$2,000

EMU Center for Health Disparities Innovation and Studies

The mission of the Center for Health Disparities Innovation and Studies (CHDIS) is to reduce health disparities in underserved populations and communities through research, services and community-academic partnerships.

CHDIS is led by Dr. Tsu-Yin Wu, Professor in the School of Nursing. Since FY2016, Dr. Wu has received 15 awards totaling \$1,651,988. Dr. Wu is joined by three other faculty members in the creation of CHDIS:

Dr. Alice Jo Rainville, Professor of Dietetics and Human Nutrition, CHHS
 Dr. Olivia Ford, Assistant Professor of Dietetics and Human Nutrition, CHHS
 Dr. Xining Yang, Assistant Professor of Geographic Information Systems (GIS), CAS

CHDIS is designed to enhance collaboration among EMU and community-based organizations, and state- and federal government agencies and offices and create a forum that enables center members and other stakeholders to work together. The Center for Health Disparities Innovation and Studies utilizes an integrative approach to explore the causes of existing health disparities and to develop strategies for reducing these health disparities.

Ultimately, the work of the center will enhance the capacity of EMU researchers and community agencies to develop and apply new knowledge to help individuals and families reduce the incidence of and mortality rates from cancer and other preventable diseases. EMU students with internships in academic programs can obtain internships and/or participate in research experiences and academic activities within the center and receive mentoring from researchers/faculty members affiliated with the Center.



Externally Funded Awards (July 1, 2015 - Present) 15 awards totaling \$1,651,988 PI: Dr. Tsu-Yin Wu

- A Culturally-Sensitive Linguistically-Appropriate Intervention for Outreach and Increase CRC Screening Among Asian Americans in Michigan
 Michigan Department of Health Human Services
 \$28,539
- A Culturally-Sensitive Linguistically-Appropriate Intervention for Outreach and Increase CRC Screening Among Asian Americans in Michigan - 2018
 Michigan Department of Health Human Services
 \$50,000
- A Culturally-Sensitive Linguistically-Appropriate Intervention for Outreach and Increase CRC Screening Among Asian Americans in Michigan - 2018
 Michigan Department of Health Human Services
 \$40,000
- All of Us Community Outreach, Education, and Communication Campaign
 Asian & Pacific Islander American Health Forum
 \$3,875
- Cooperative Agreement to Support Navigators in Federally-facilitated and State Partnership Marketplaces
 Midwest Asian Health Association
 \$101,145
- Cooperative Agreement to Support Navigators in Federally-facilitated and State Partnership Marketplaces
 Midwest Asian Health Association
 \$99,645
- Cooperative Agreement to Support Navigators in Federally-facilitated and State Partnership Marketplaces
 Midwest Asian Health Association
 \$99,645
- Courtesy Convener Civic Engagement and Mobilizing for Health
 Asian and Pacific Islander American Vote-Michigan
 \$3,000
- Evidence-based strategies for navigators in Federal Facilitated Exchange (FFE): Michigan model for left-behind Asian Pacific American population
 U.S. Department of Health and Human Services - DHHS
 \$140,718
- Evidence-based strategies to empower Asian Americans in reducing health disparities.
 Centers for Disease Control and Prevention
 \$593,307
- Evidence-based sustainable strategies for early diagnosis of breast cancer in China
 Susan G Komen for the Cure
 \$175,000
- Cooperative Agreement to Support Navigators in Federally-facilitated and State Partnership Marketplaces
 Asian Pacific Islander American Health Forum
 \$11,818
- Komen Tool Kit Implementation Project in China: Increasing Capacity for Breast Cancer Prevention and Early Detection
 Susan G Komen for the Cure
 \$90,445
- Komen Tool Kit Implementation Project in China: Increasing Capacity for Breast Cancer Prevention and Early Detection
 Susan G Komen for the Cure
 \$178,851
- Michigan Asian American Violence Intervention & Prevention (MI-AAVIP) program
 Michigan Department of Health & Human Services

Building Successes in External Funding



What structures are in place at EMU that assist faculty as grant writers and grant managers?

- Informal methods: an environment that allows faculty to see each other in informal ways
- Building renovations: modern spaces; open building designs
- Receptions, celebrations (Faculty Showcase, Symposia, New Faculty Orientations, Statistics Support Group)
- Conference Travel (can form collaborations with faculty from other campuses)

TRiO: Student Support Services

- **Eric Reed**, Director
- Five-year Award: 2015-20; **\$1.1M**; the U.S. Dept. of Educ.
- “Funds are awarded to institutions of higher education to provide opportunities for academic development, to assist students with basic college requirements, and to motivate students toward the successful completion of their postsecondary education.”
- SSS provides 140 participating students each year with academic, financial, and personal advising.
- SSS increases the retention and completion rates of participating students.
- **A Trifecta!**: EMU is simultaneously administering all three of the original TRiO programs.



TRiO: Veterans Student Support Services

- **Wayne Doyle**, Director
- Five-year Award: 2015-20; **\$750,000**; U.S. Department of Education
- VSSS provides veterans with academic and financial counseling, scholarship searches, and assistance with admissions requirements for graduate and professional programs.
- VSSS helps students identify new career paths, translate military experience into new professions, assist with pursuing relevant work, internships, and research experiences.
- VSSS is housed in the Charles S. Kettles military and Veterans Resource Center.
- *EMU Veterans and Military Services is ranked 3rd in the nation among top veteran friendly universities by GI Jobs magazine and has been awarded the Gold Standard by Michigan Veteran Affairs Agency for 2017.*

