



Department of Population and Public Health Sciences  
Annual Report

**January 1, 2017 – June 30, 2018**

**James R. Ebert, M.D., M.B.A., M.P.H., C.P.H., F.A.A.P.  
Chair, Population and Public Health Sciences (PPHS)  
Associate Professor, PPHS and Pediatrics**

## 1. Statement from the Chair

The Department of Population and Public Health Sciences continued to grow its educational mission and sustain its research mission during 2017. A new graduate certificate program in epidemiology was launched. The MPH program completed its transition to the SOPHAS application platform, and had another strong year of student success. After it was announced that the NASA grant funding the aerospace medicine residency program would be discontinued, the aerospace faculty began restructuring the courses into a certificate program, which was approved and will begin enrolling students in 2018. Researchers in substance abuse and disability issues continued to write new grants, secure new funding, and sustain their national reputation. The undergraduate course in global health continues to fill to capacity both fall and spring semesters.

Appendix of this report contains the detailed activities of each Division and Program.

## 2. Divisions and Programs

<b>Name of Division or Program</b>	<b>Director</b>	<b>Dates</b>
<b>Division of Aerospace Medicine</b>	Thomas Jarnot, MD, MS Assistant Professor	2017-Present
<b>Division of Epidemiology and Biostatistics</b>	Sara Paton, PhD Associate Professor	2004-Present
<b>Division of Health Systems and Policy</b>	John McAlearney, PhD Associate Professor	2003-Present
<b>Division of International and Environmental Health</b>	Naila Khalil, MBBS, MPH, PhD Associate Professor	2010-Present
<b>Division of Social and Behavioral Determinates of Health</b>	Marietta Orłowski, PhD Associate Professor	2004-Present
<b>Center for Global Health, Certificate in Global Health Program, Undergraduate education in Global Health</b>	Cristina Redko, PhD Associate Professor	2015-Present
<b>Center for Interventions, Treatment, and Addictions Research</b>	Robert Carlson, PhD Professor	2004-Present
<b>Epidemiology Certificate Program</b>	Sara Paton, PhD Associate Professor	2016-Present
<b>Fels Longitudinal Data Collection</b>	Bradford Towne, PhD Professor	2016-2018
<b>Health Care Management Certificate Program, WSU RSCOB MBA Health Care Concentration</b>	John McAlearney, PhD Assistant Professor	2003-Present

<b>Name of Division or Program</b>	<b>Director</b>	<b>Dates</b>
<b>Master of Public Health Program</b>	Sara Paton, PhD Associate Professor	2015-Present
<b>Medical Humanities Program</b>	Mary T. White, MDiv, EdM, PhD Professor	1995-Present
<b>Physician Leadership Development Program</b>	Sabrina Neeley, PhD	2011-Present
<b>Public Health Emergency Preparedness Certificate Program</b>	Mark Gebhart, MD	2016-Present
<b>Public Health Leadership Certificate Program</b>	John McAlearney, PhD Assistant Professor	2016-Present
<b>Reach Out of Montgomery County</b>	Sharon Sherlock, DHA, MSA, BSN, RN Assistant Professor	1998-Present
<b>Substance Abuse Resources Disability Issues</b>	Jo Ann Ford	2018-Present

### 3. Fully Affiliated Faculty

<b>Name and Academic Position</b>	<b>Research Interests</b>
<b>Aerospace Medicine</b>	
Richard T. Garrison, M.D., M.S., M.S. Associate Professor Clinical Professor, Emergency Medicine	Hyperbaric medicine and emergency medicine.
Thomas F. Jarnot, M.D., M.S. Assistant Professor	Human Factors in Aerospace Accident Investigation and Aircrew Flight Training. Enhancing Flight Surgeon-Pilot/Patient Rapport to Optimize Aviation Safety.
<b>Education Center</b>	
James R. Ebert, M.D., M.B.A., M.P.H., C.P.H., F.A.A.P. Associate Professor	Metabolic consequences of obesity in children and adolescents, prevention strategies for obesity, improving physician skills in managing obese children, enhancing leadership skills of physicians and other health care professionals, treatment of pediatric patients with dyslipidemias.
Timothy Crawford, Ph.D. Assistant Professor	HIV/AIDS Epidemiology, Engagement in HIV care, HIV and Aging, HIV and Multimorbidity, Sexual Minority Health and Wellbeing, Propensity Scoring Methods, Mediation Analysis, Longitudinal Data Analysis, and Time-to-event Analysis.
Sylvia Ellison, M.A., M.P.H. Research Instructor	Evidence-based practice to improve maternal and child health, applied epidemiology, demography, and disability. Within maternal and child health, I am specifically interested in infant feeding, prenatal care delivery, perinatal care, hospital-based maternity care practices, and infant mortality.
Naila Khalil, Ph.D., M.B.B.S., M.P.H. Associate Professor	Environmental epidemiology research, specifically human health effects such as bone density changes and metabolic effects related to environmental exposures including lead and endocrine disruptors.

<b>Name and Academic Position</b>	<b>Research Interests</b>
John McAlearney, Ph.D. Assistant Professor	Working with health systems and hospitals to use their Electronic Medical Records (EMR) data to achieve improvements in quality and to assist in reducing costs.
Ramzi Nahhas, Ph.D. Associate Professor	Use of modern statistical methods to analyze data from a wide range of biomedical research areas, including human growth and development; skeletal, dental, and sexual maturity; craniofacial anatomy; obesity; cardiometabolic risk; illicit drug use; and psychiatry. Specific methodological areas of expertise of mine include longitudinal data analysis, in particular linear and non-linear mixed models, growth curve modeling, the analysis of missing data, and the application of these methods to problems in biomedical research.
Marietta Orlowski, Ph.D., M.C.H.E.S. Associate Professor	Adolescent health behaviors, health behavior measurement, & program evaluation.
Sara Paton, Ph.D. Associate Professor	Maternal and child health issues, food safety, health assessment, HIV, population health, Fetal Alcohol Spectrum Disorders.
Cristina Redko, Ph.D. Associate Professor	Immigrant health, as well as developing strategies for global health education.
Nikki Rogers, Ph.D. Assistant Professor	Maternal and child health, sociocultural health factors, and African/African-American population health.
Mary T. White, MDiv, EdM, Ph.D. Professor	Medical ethics and professionalism, global health education, end-of-life care.

### **Reach Out of Montgomery County**

Sharon Sherlock, D.H.A., M.S.A., B.S.N., R.N. Assistant Professor	Underserved populations such as adolescents and disparities in health, how multiculturalism relates to or conflicts with compliance in healthcare behaviors.
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### **Research Center:**

#### **Center for Interventions, Treatment, & Addictions Research**

Robert G. Carlson, Ph.D. Professor	Ethnography; ethnographic/ qualitative methods; epidemiology; natural history research; chronic disease management; substance abuse; pharmaceutical opioids; heroin; unintentional overdose; MDMA; crack cocaine, methamphetamine; cannabis; emerging drugs.
Raminta Daniulaityte, Ph.D. Associate Professor	Epidemiology of drug abuse, social media research, natural history studies, and mixed methods research.

### **Research Center:**

#### **Fels Longitudinal Study**

Bradford Towne, Ph.D. Professor	Conducting and collaborating on a large-scale, community-based, genetic epidemiologic studies.
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### **Research Center:**

#### **Substance Abuse Resources & Disability Issues**

Jo Ann Ford, M.R.C. Instructor	Women with disabilities including substance abuse, violence issues, and advocacy.
Nicole Kinzeler, Ph.D. Assistant Professor	Improve the quality of life for individuals with behavioral health issues, including substance abuse disorders and mental illness.
Josephine Wilson, D.D.S., Ph.D. Professor	Substance abuse/addictions and disabilities and their intersection, treatment and prevention; technology enhancements in vocational rehabilitation, telecounseling, gambling prevention, ex-offender reentry, Mental Health First Aid, integration of behavioral health and medical treatment, and HIV/HepC

## 4. Teaching/Student Advising

### Baccalaureate [any course for Bachelor Degree]

#### John McAlearney, Ph.D.

- BIO 1080-Introduction to Public Health (Instructor for one session).

#### Cristina Redko, Ph.D.

- PPH200 Global Health Online – Spring & Fall.

#### Sharon Sherlock, D.H.A., M.S.A., B.S.N., R.A.

- 70 students UD-Pre Med 210, RN-BSN (3) community service project.

#### Mary T. White, MDiv, EdM, Ph.D.

- Presentation, Biostar program, *Research Ethics*, June 13.
- Courses taught: BIO-4030-01/PHL-3990/5990-03 *Health Care Ethics*, Fall Semester, 40 students. Substitute taught for Scott Wilson, PhD, (out of the office) Nov 20-Dec 20, PHL-3110-01 - *Ethics*, 35 students.

### Undergraduate Medical Education [medical school]

#### Robert G. Carlson, Ph.D.

- 2017-2018-External Ph.D. Thesis Reviewer: Ellen Leslie. “Consequences of concurrent and simultaneous amphetamine-type stimulant and alcohol use among young adults: Hazardous drinking, antisocial behavior, and contact with police.” School of Social Science, University of Queensland, Australia.
- Spring 2018-Present: Mentor for Laurent Trout, BSOM medical student, research project.
- June 2018-Present: College on Problems of Drug Dependence Mentor with: Dr. Madhur Chandra, Michigan State University. Dr. Chandra is pursuing her second Ph.D. in Epidemiology and Biostatistics. Advising on her thesis focusing on transition to cocaine dependence.

#### Raminta Daniulaityte, Ph.D.

- Addictions Elective-Guest Lecturer, Wright State University, Boonshoft School of Medicine-2018/Spring.
- Advanced Topics in Epidemiology; Section on Epidemiology of Substance Use-Guest Lecturer, Wright State University, Department of Population and Public Health Sciences-2017/Spring.
- Thesis Committee Member: 2018-Kraig Strayer-MS Thesis Title: Development of a LC-MS/MS-Based Method for the Multiplex Detection of Fentanyl Analogs in Whole Blood. Wright State University.
- Thesis Committee Member: 2018-Agne Jakavonyte-Akstiniene-PhD Dissertation Title: Cognitive and physical functioning and health care needs among elderly patients in hospice care settings. Lithuanian University of Health Sciences, Kaunas Lithuania.

- Mentoring: Spring-2018-Present: Mentor for Lauren Trout, BSOM medical student, research project.
- Mentoring: Summer 2017-Present: Mentor for Lokala, Knoesis, Dark web data to identify synthetic opioid trends.

**James R. Ebert, M.D., M.B.A., M.P.H., F.A.A.P., C.P.H.**

- Precepted (4) medical students in Lipid Clinic at Dayton Children’s Hospital.

**Nicole Kinzeler, Ph.D.**

- Spring and Summer semesters 2018, coordinated the Culminating Experience (CE) course for the Master in Public Health (MPH) program.

**Mary T. White, MDiv, EdM, Ph.D.**

- Year 1  
Two presentations, quasi-peer instruction format, in Clinical Medicine course: *The Physician-Patient Relationship* (9/22), *Ethics and Professionalism* (10/3). Course Director, *Health Care in Developing Countries* elective (42 students, Jan/April). Course Coordinator, *Nutrition in Medicine* online course, completed by 39 M1 and M2 students.
- Year 2  
Repro course, Peer Instruction, *Ethics* – discussion facilitator – Discussion coordinator and facilitator, *W2IT-an illness experience*, for year-two students (part of ICM II). ICM III, *Delivering Bad News*-simulated patient experience, facilitated debriefing (June, 12 hours).
- Year 3  
Third Year Clerkships (ongoing)-OB/GYN ethics conference (one hour/clerkship rotation). Psychiatry ethics conference (one hour/clerkship rotation). Internal Medicine ethics/palliative care (one hour/clerkship rotation); participation in retreat (4 hours/rotation, ended April 2016). Surgery (5 hours/rotation). Case conference and presentation on disclosing medical errors (120 min). OSCE’s on end-of-life communication debriefing (3 hours).
- Year 4  
*Literature and Medicine* CMH 806 (elective, March, two weeks, students). *Race, Sex, and Gender* SMD 817 (longitudinal elective September 2016-April 2017, 13 students). *Clinical Trials Research Elective* 4 students (Jan, March, October, December). *IHI Health Systems online elective* SIE (12 students).
- Faculty Advisor and Presenter: Medical Ethics Interest Group (MEIG)
  - Ethical Controversies in Immunization (Jan)
  - Ethical challenges in caring for transsexual patients (March)
  - Charlie Gard case (October)

**Sharon Sherlock, D.H.A., M.S.A., B.S.N., R.A.**

- 2 students MPH-610 Indiana Wesleyan

## **Graduate Student Education** [Master, Doctor, Post-Doctoral, Thesis Supervision]

### **Robert G. Carlson, Ph.D.**

- Preceptor, Master of Public Health students

### **James R. Ebert, M.D., M.B.A., M.P.H., F.A.A.P., C.P.H.**

- Graduate School – Course Director for:
  - PPS 6510-Strategic Leadership in Health Care
  - PPS 8110-Practice Placement for MPH

### **John McAlearney, Ph.D.**

- Course director for PPH 6500 (Health Resource Management and Policy) Certificate/MPH/MBA students - Summer & Spring Semesters
- MPH Culminating Experience Chair: Michael Johnson (completed)
- MPH Culminating Experience Chair: Akash Prasad (in progress)
- MPH Culminating Experience Chair: Ross Semeniuk (in progress)
- MPH Culminating Experience Chair: Maria Sparaco (completed)
- MPH Culminating Experience Chair: Sneha Srinavas (in progress)
- PhD Thesis Committee: Kelly Rabah (in progress)

### **Thomas F. Jarnot, M.D., M.S.**

- Graduate Courses Taught:
  - ASM 7371 Aerospace Toxicology
  - ASM 7571 Aerospace Skills I
  - ASM 7572 Aerospace Skills II
  - ASM 7573 Aerospace Skills III
  - ASM 7771 Fundamentals of Aerospace Medicine I
  - ASM 7771 Fundamentals of Aerospace Medicine I
  - ASM 7772 Fundamentals of Aerospace Medicine II
  - ASM 7772 Fundamentals of Aerospace Medicine III
  - ASM 7871 Space Medicine I
  - ASM 7872 Space Medicine II
  - ASM 7873 Space Medicine III
  - ASM 7973 Aerospace Medicine Research
- Course Co-Instructor
  - ASM 7973 Environmental Medicine

### **Naila Khalil, Ph.D.**

- Teaching:
  - Environmental Health, PPH 6300, Spring 2017, 2018
  - PH Epidemiology II, CMH 7920-01, Fall 2017
  - Applied Epidemiology PPH 7150-01, Spring 2017
- Mentoring:

- Committee Chair: Joe Taggart (2016) Urinary Cadmium and Bone mineral density in US adults.
- Committee Co-Chair: Ruaa Hamad Al-Juboori (2018) Conduct Disorder in Times of Crisis in The Eastern Mediterranean Region.
- Committee Chair: Katie Clark (2018) Urinary Triclosan and serum thyroxine in the US adults.
- Committee Chair: David B. Leary (2018) The Association of Perfluoroalkyl Substances Exposure and Metabolic Syndrome in U.S. Adults.

### **Marietta Orlowski, Ph.D., M.C.H.E.S.**

- MPH Culminating Experiences
  - Madelyn Hill (Chair), Project-Wellbeing begins with employees: Exploring associations of physical health in a Head Start organization-Graduated May 2018.
  - Kristin Snyder (Chair), Project-Wellbeing begins with employees: Exploring associations of physical health in a Head Start organization-Graduated May 2018.
  - Sumayyah Shermadou (Chair), Project-Does self-efficacy mediate the relationship between parenting style and adolescent fruit and vegetable consumption?-Graduated May 2018.
  - David Navel (Chair), Project-Firefighter behaviors in a nuclear response: A conceptual model for sheltering for National Planning Scenario 1-Graduate August 2018.
  - Mackenzie Hunter (Reader), Project-Oral Health 2020: Recommendations to help Ohio meet Healthy People 2020 goals based on states oral health plans-Graduated May 2018.
  - Rachel Chandra (Reader), Project-Pharmacists' knowledge of social determinants of health in post-graduate pharmacy residency programs-Graduated May 2018.
  - Lauren Shafer (Reader), Project: Biology Thesis: The effects of low-impact exercise on the heart rate variability in sedentary adults-Graduate August 2018.
- MPH Courses

Course	Term	Number of Students
CMH 7420: Health Promotion Planning & Evaluation	Spring 2018	12
CMH 6400: Social & Behavioral Determinants of Health	Fall 2017	28

- MPH Practice Placements

Student	Location	Status
Madelyn Hill	PHDMC and MVCDC	Graduated
Kristin Snyder	PHDMC	Graduated
Sumayyah Shermadou	Premier Health	Graduated
Dante McDonald	Equitas Health	In process of second year
Lizzy Gondor	Equitas Health	Starting second year
Jordon Dotson	Hall Hunger Initiative	In process of second year
Sarah Dewitt	Dayton Children's Hospital	Starting second year

### **Sara J. Paton, Ph.D.**

- Course director: CMH 6200 "Public Health Epidemiology."



- Taught spring semester in 2017 and 2018.
  - 2017 – 18 students
  - 2018 – 21 students
- Course director: PPH 8210 “Integrative Learning Experience I”
  - 2018 Spring and Summer
- Course director: PPH 8220 “Integrative Learning Experience II”
  - 2018 Spring and Summer
- Course director: PPH 8230 “Integrative Learning Experience
  - Continuing Education Credit” 2018.
- Course director: PPH “Problems in Public Health”. Summer 2017
- MPH Program
  - Culminating Experience CMH 8210 and CMH 8220 (thesis equivalent)
- Faculty Chair
  - Graduates:
    - 2018 (through June 30):
    - Tiffany Burton: A Summary Review of the Scope and Effects of Opioid Use/Abuse by American Adolescence: Evidence to Support Treatment Policy.
    - Elizabeth Williams: A Tale of Three Systems: Improving Three Emergency Communication Systems.
    - Mussa Zatreh: The Effect of Social Vulnerability during the 2014 Ebola Outbreak in Monrovia, Liberia.
    - Tamisha Samiec: Neonatal Abstinence: Outcomes at Birth.
  - Current Students:
    - Jessica Shroyer: Evaluation of information sharing in regards to an emergency preparedness functional exercise.
    - Sarah Ndiangu: The Relationship between Injury Severity and Alcohol, Prescription, and Illicit Drugs in Emergency Department Patients involved in Motor Vehicle Crashes in 2008.
  - Lecturer:
    - Guest lecturer in PPH 8100 “Population Health and Careers”, 1-hour lecture. 2017.
    - Guest lecturer in PPH 7520 “Infant Mortality”, 1-hour lecture. 2018.
    - Guest lecturer in PPH 7150 “Maternal and Child Health as it Relates to Chronic Disease. 2018.
    - Guest lecturer in Into to Public Health-Undergraduate Course.
  - PhD Programs:
    - Jeanie Bochenek, Wright State University College of Nursing and Health, Doctoral of Nurse Practice. Graduated Spring 2017, “Easy Breathing for Elementary School Children with Asthma at Dayton Public Schools”.
    - Dan Baker, University of South Florida College of Public Health, Doctorate of Public Health. Current Student Topic: Emergency Preparedness.

## **Graduate Medical Education** [Residents, Fellows]

### **James Ebert, M.D., M.B.A., M.P.H., C.P.H., F.A.A.P.**

- Pediatric Residents, Precepted 16 in Lipid Clinic
- Pediatric Residents, Precepted 6 as inpatient attending
- Lecture to child psych fellows, “Metabolic Issues in Obese Children treated with Antipsychotics”.

### **Thomas F. Jarnot, M.D., M.S.**

- Direct clinical preceptorship for all Wright State University.
- Aerospace Medicine residents in both WSU Division of Aerospace.
- Medicine Flight Medicine Clinic and 178<sup>th</sup> Medical Group Flight.
- Medicine Clinic, Ohio Air National Guard, Springfield, OH.

### **Ramzi W. Nahhas, Ph.D.**

- Department of Psychiatry-August 2017-Introduction to Research (R2), Department of Psychiatry, Boonshoft School of Medicine [Course development team member, Co-Instructor].
- Department of Psychiatry-November 2017--Introduction to Research (R1), Department of Psychiatry, Boonshoft School of Medicine [Course development team member, Co-Instructor].

### **Sharon Sherlock, D.H.A., M.S.A., B.S.N., R.N.**

- (112) 1<sup>st</sup> & 2<sup>nd</sup> Year Elective & Volunteer roles in Reach Out Free Clinic.
- (10) FM Residents Community Health.
- (5) AF Peds with CMC.

### **Josephine F. Wilson, D.D.S.**

- Mentored Dr. Nick Belanco, resident, in AOD research and data analysis.

## **Continuing Medical Education** [Grand Rounds, Seminars]

### **James Ebert, M.D., M.B.A., M.P.H., C.P.H., F.A.A.P.**

- BSOM Faculty Leadership Academy – collaborated in program development with Dr. Al Painter, presented three individual sections of the program, reviewed participant final presentations.

### **Thomas F. Jarnot, M.D., M.S.**

- 89<sup>th</sup> Annual Meeting of the Aerospace Medicine Association-Dallas, TX, May 2018.
- 88<sup>th</sup> Annual Meeting of the Aerospace Medical Association (AsMA), Denver, Colorado, May 2017.

### **Naila Khalil, Ph.D.**

- Completed 12 Credit Hours certificate course “The Instructional Design for Digital Learning 1 (IDDL-1)” from the WSU Department of Leadership Studies in Education and Organizations.
- Professional development for risk assessment (Tox and Risk Assessment), held April 26, 2018 in West Chester, OH. Attended by DOD, ATSDR, NIOSH, academia, sessions on PFAS.

- Attended 3 day training on Climate Reality Leadership Corps, led by former Vice President Al Gore, Pittsburgh PA, October 2017.

**Nicole Kinzeler, Ph.D.**

- Spring 2018, Lecture to medical students about the work and mission of SARDI.

**Ramzi W. Nahhas, Ph.D.**

- Department of Psychiatry – Nahhas, RW. “How the statistician can help you do research.” Scholar’s Forum. Department of Psychiatry, Boonshoft School of Medicine, Wright State University. October 24, 2017.

**Sara J. Paton, Ph.D.**

- University of Dayton Healthcare Symposium. Presentation on “Infant Mortality in Montgomery County, Ohio”.
- Learn to Earn Readiness Summit. Gave two workshops titled “Infant Mortality, not just healthcare”.

**Other**

**Thomas J. Jarnot, M.D., M.S.**

- Division of Aerospace Medicine Flight Training Curriculum; Providing FAA authorized flight instruction to Aerospace Medicine residents in aircraft and on the Division’s Advanced Aviation Training Device (AATD) flight simulator. Additional classroom and operational flight training activities for all WSU Aerospace Medicine residents in fulfillment of ACGME requirements at multiple sites throughout central and southwestern Ohio.

**Ramzi W. Nahhas, Ph.D.**

**Spring 2017**

- PPH 7920-01: Applied Statistics Practicum, Master of Public Health program, Boonshoft School of Medicine [Course developer & instructor].
- PPH 7150-01: Applied Epidemiology (Chronic Disease Epidemiology), Master of Public Health program, Boonshoft School of Medicine [Co-course developer, Not an instructor], Spring 2017.

**Fall 2017**

- PPH 7920-01: Public Health Epidemiology II, Master of Public Health program, Boonshoft School of Medicine [Co-course developer and Co-instructor].

**Spring 2018**

- PPH 7920-01: Applied Statistics Practicum, Master of Public Health program, Boonshoft School of Medicine [Course developer & instructor].

**Cristina Redko, Ph.D.**

- PPH7710 Global Health PPH7720 Global Health Systems

**Sharon Sherlock, D.H.A., M.S.A., B.S.N., R.N.**

- Ellis Center (11) Psychology Doctoral Students/Clinical Site, Physical Therapy 310 doctoral students, 4 PTA from Sinclair Community College

**Josephine F. Wilson, D.D.S.**

- Dissertation Committee member and mentor for Kaitlyn Eichinger, MPH candidate, May 2018.
- Lecturer on Rehabilitation, in Dr. Julie Williams' class on Disability, June 2017.
- Mentored Junior Faculty across the University: Dr. Nicole Kinzeler in P&PHS, Dr. Danielle Gainer in Psychiatry, Dr. Huma Bashir in CEHS, Dr. Rosemary Eustace in CONH, and Dr. Yong Pei in Computer Science & Engineering.

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## 5. Scholarly Activity

**Active Grants and Contracts** (does not include grants with less than \$1,000 in expenditures)

Total Number of Projects: 38

Total 2017/2018 Expenditures: \$7,654,029.55

*A Natural History Study of Buprenorphine Diversion Self-Treatment and Use of Drug Abuse Treatment Services*

National Institute on Drug Abuse (NIDA)

PI: Raminta Daniulaityte

2017/2018 expenditures: \$866,362.42

*Aerospace Medicine Residency Program*

The National Aeronautics and Space Administration (NASA)

PI: Thomas Jarnot

2017/2018 expenditures: \$881,507.87

*Breastfeeding Friendly Environment Services Contract*

Public Health – Dayton & Montgomery County

PI: Sylvia Ellison

2017/2018 expenditures: \$38,175.65

*Characterizing Fentanyl Outbreaks: Ethnographic and Forensic Perspectives*

National Institute on Drug Abuse (NIDA)

PI: Raminta Daniulaityte

2017/2018 expenditures: \$326,363.78

*Comparing Interventions for Opioid Dependent Patients presenting in Medicals EDs*

University of New Mexico

PI: Richard C. Rapp

2017/2018 expenditures: \$69,867.39

*Continuing Sustaining and Advancing the Work of the Montgomery County Prevention Coalition*

Montgomery County ADAMH Services Board

PI: Josephine Wilson  
2017/2018 expenditures: \$77,656.57

*Dayton Area Drug Survey 2016*  
Montgomery County ADAMH Services Board  
PI: Robert Carlson  
2017/2018 expenditures: \$2,664.25

*Disability and Rehabilitation Research Program*  
Administration for Community Living  
PI: Josephine Wilson  
2017/2018 expenditures: \$832,734.18

*East Dayton AWARE Project*  
Montgomery County ADAMH Services Board  
PI: Josephine Wilson  
2017/2018 expenditures: \$17,649.29

*eDark Trends monitoring cryptomarket*  
National Institute on Drug Abuse (NIDA)  
PI: Raminta Daniulaityte  
2017/2018 expenditures: \$103,196.62

*Epidemiology Services Contract*  
Public Health – Dayton & Montgomery County  
PI: Sylvia Ellison  
2017/2018 expenditures: \$31,084.00

*Epidemiology Services Contract*  
Public Health – Dayton & Montgomery County  
PI: Sara Paton  
2017/2018 expenditures: \$94,028.25

*Evaluation Services MC Juvenile Court*  
Ohio Department of Youth Services  
PI: Nicole Kinzeler  
2017/2018 expenditures: \$21,029.71

*Field Initiated Program*  
Administration for Community Living  
PI: Josephine Wilson  
2017/2018 expenditures: \$329,003.83

*Genetic Epidemiology of Ocular Health and Disease*  
Texas Biomedical Research Institute

PI: Bradford Towne  
2017/2018 expenditures: \$55,969.90

*Integrated Continuum-of-Care Services (ICS) Project*  
Substance Abuse & Mental Health Services Admin. (SAMHSA)  
PI: Jo Ann Ford  
2017/2018 expenditures: \$996,548.28

*Justice and Mental Health Collaboration*  
U.S. Department of Justice  
PI: Nicole Kinzeler  
2017/2018 expenditures: \$5,605.86

*Mental Health First Aid*  
Interact for Health  
PI: Nicole Kinzeler  
2017/2018 expenditures: \$12,336.30

*Mental Health First Aid Training in Hamilton County*  
Substance Abuse & Mental Services Administration (SAMHSA)  
PI: Nicole Kinzeler  
2017/2018 expenditures: \$18,903.86

*Mental Health/Medical Integration Project*  
Interact for Health  
PI: Nicole Kinzeler  
2017/2018 expenditures: \$10,245.91

*Montgomery County Offender Reentry Program*  
Substance Abuse & Mental Services Administration (SAMHSA)  
PI: Jo Ann Ford  
2017/2018 expenditures: \$530,935.32

*Montgomery County Poisoning Death Review 2016*  
Public Health Dayton and Montgomery County  
PI: Robert Carlson  
2017/2018 expenditures: \$63,696.18

*Montgomery County (OH) SAMHSA 2015 Drug Court Grant*  
Montgomery County Common Pleas Court  
PI: Josephine Wilson  
2017/2018 expenditures: \$50,671.51

*NIDA National Early Warning System Network iN3 An Innovative Approach*  
National Institute on Drug Abuse (NIDA)

PI: Robert Carlson  
2017/2018 expenditures: \$7,202.98

*Ohio Opioid Analytics Project*  
Ohio Department of Higher Education  
PI: Ramzi Nahhas  
2018 expenditures: \$5,520.97

*Ohio SBIRT*  
Ohio Department of Mental Health and Addiction Services  
PI: Nicole Kinzeler  
2017/2018 expenditures: \$290,766.43

*Peer Movement Project (PMP)*  
Substance Abuse & Mental Health Services Admin. (SAMHSA)  
PI: Nicole Kinzeler  
2017/2018 expenditures: \$277,426.15

*Prevention in Ohio Communities Services Contract*  
Public Health – Dayton & Montgomery County  
PI: Nikki Rogers  
2017/2018 expenditures: \$88,040.33

*Quantifying Healthy Birth Growth and Development Knowledge Integration*  
Bill & Melinda Gates Foundation  
PI: Stefan Czerwinski  
2017 expenditures: \$48,498.96

*Risky Business Program*  
Montgomery County ADAMH Services Board  
Ohio Department of Mental Health and Addiction Services  
PI: Josephine Wilson  
2017/2018 expenditures: \$31,424.18

*Short-Term Health Research Training to Increase Diversity*  
National Heart Lung and Blood Institute (NHLBI)  
PI: James Ebert  
2017 expenditures: \$70,943.62

*Sisterline: Substance Abuse Treatment and HIV Prevention for African-American Women at High Risk for HIV/AIDS in Montgomery County OH*  
Substance Abuse & Mental Health Services Admin. (SAMHSA)  
PI: Josephine Wilson  
2017/2018 expenditures: \$607,499.74

*Skeletal Maturity/Radiograph Consulting*

Financial Manager: Bradford Towne

2017 expenditures: \$70,267.92

*Smarter Lunchroom*

Ohio Department of Education

PI: Marietta Orlowski

2017/2018 expenditures: \$5,889.89

*Telomere Length Dynamics in Relation to Changes in Adiposity and Metabolic Risk*

National Institute of Diabetes & Digestive & Kidney Diseases (NIDDK)

PI: Bradford Towne

2017/2018 expenditures: \$311,798.76

*Trending Social media analysis to monitor cannabis and synthetic cannabinoid use*

National Institute on Drug Abuse (NIDA)

PI: Raminta Daniulaityte

2017/2018 expenditures: \$367,216.75

*2/2 Alcohol Associated Comorbidities and Microbiome Evaluation in HIV (ACME HIV)*

University of Louisville Research Foundation Inc

PI: Timothy Crawford

2018 expenditures: \$11,964.07

*45417 MHFA Project*

Substance Abuse & Mental Health Services Admin. (SAMHSA)

PI: Josephine Wilson

2017/2018 expenditures: \$20,608.38

## Papers in Refereed Journals

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Chlebowy DO, Batscha C, Kubiak N, **Crawford TN**. "Relationships of Depression, Anxiety, and Stress with Adherence to Self-Management Behaviors and Diabetes Biomarkers in African American Adults with Type 2 Diabetes." *Journal of Racial and Ethnic Health Disparities*. 2018; DOI: 10.1007/s40615-018-0500-3.

**Crawford TN**, Ridner SL. "Differences in Well-Being between Sexual Minority and Heterosexual College Students." *Journal of LGBT Youth*. 2018; DOI: 10.1080/19361653.2018.1470954.

**Daniulaityte R**, Zatreh M, **Lamy FR**, **Nahhas RW**, Martins SS, Sheth A, **Carlson RG**. "A Twitter-based survey on marijuana concentrate use." *Drug and Alcohol Dependence*. 2018; 187:155-159. DOI 10.1016/j.drugalcdep.2018.02.033. PMID 29669296.



**Daniulaityte R, Lamy FR, Barrat M, Nahhas RW, Martins SS, Boyer EW, Sheth A, Carlson RG.** “Characterizing marijuana concentrate users: a web-based survey.” *Drug and Alcohol Dependence*. 2017; 178:399-407. DOI 10.1016/j.drugalcdep.2017.05.034. PMID 28704769. PMCID PMC5567791.

**Daniulaityte R, Lamy FR, Smith GA, Nahhas RW, Carlson RG, Thirunarayan K, Martins SS, Boyer EW, Sheth A.** “Retweet to pass the blunt”: Analyzing geographic and content features of cannabis-related tweeting activity across the U.S.” *Journal on Studies of Alcohol and Drugs*. 2017; 78(6):910-915. DOI 10.15288/jsad.2017.78.910. PMID 29087826.

**Daniulaityte R, Juhascik MP, Strayer KE, et al.** “Overdose Deaths Related to Fentanyl and Its Analogs — Ohio, January–February 2017.” *Morbidity and Mortality Weekly Report*. 2017; 66:904–908. DOI: <http://dx.doi.org/10.15585/mmwr.mm6634a>.

**Embree JA, Kinzeler NR, Fraker S, Castle S, Wilson JF.** “Age of language acquisition and prevalence of suicidal behavior in a deaf population with co-occurring substance use disorder.” *Journal of American Deafness & Rehabilitation Association (JADARA)*. 2017; 51(3):1-27.

Eustace RW, **Wilson JF**, Asiedu GB, Nyamhanga TM, Mkanta WM. “Community Stakeholders’ Perceptions of the Role of Family in HIV prevention in Iringa, Tanzania.” *Journal of Community Health Nursing*. 2017; 34(1):10-20.

Green CL, **Nahhas RW**, Scoglio AA, Elman I. “Post-traumatic stress symptoms in pathological gambling: potential evidence of anti-reward processes.” *Journal of Behavioral Addictions*. 2017; 6(1):98-101. DOI 10.1556/2006.6.2017.006. PMID 28274137. PMCID PMC5572998.

Gspandl S, Peirson R, **Nahhas RW**, Skale T, Lehrer D. “Comparing Global Assessment of Functioning (GAF) and World Health Organization Disability Assessment Schedule (WHODAS) 2.0 in schizophrenia.” *Psychiatry Research*. 2018; 259:251-253. DOI 10.1016/j.psychres.2017.10.033. PMID 29091824.

Guina J, **Nahhas RW**, Mata N, Farnsworth S. “Which Posttraumatic Stress Disorder symptoms, trauma types, and substances correlate with suicide attempts in trauma survivors?” *Primary Care Companion for CNS Disorders*. 2017; 19(5). PII: 17m02177. DOI 10.4088/PCC.17m02177. PMID 29099549.

Guina J, **Nahhas RW**, Sutton P, Farnsworth S. “The influence of trauma type and timing on PTSD symptomology.” *Journal of Nervous and Mental Disease*. 2018; 206(1):72-76. DOI 10.1097/NMD.0000000000000730. PMID 29271827.

Guina J, **Nahhas RW**, Welton RS. “No role for benzodiazepines in posttraumatic stress disorder until supported by evidence.” *Australasian Psychiatry*. 2017; 25(4):415-416. DOI 10.1177/1039856217711061. PMID 28747110.

Guthmann D, Titus J, **Embree JA, Wilson J.** "Translation and Validation of an Online Suite of Assessments in American Sign Language." *Journal of the American Deafness & Rehabilitation Association (JADARA)*. 2017; 51(1):12-20.

Huber MJ, Oswald G, Chan F, Shaw LR, **Wilson JF.** "A call for a national evidence-based programs and practices registry in vocational rehabilitation." *Journal of Vocational Rehabilitation*. 2017; 46(1):11-18.

Kashou N, Dar I, Hasenstab K, **Nahhas RW, Jadcherla S.** "Somatic stimulation causes frontoparietal cortical changes in neonates: a functional near-infrared spectroscopy study." *Neurophotonics*. 2017; 4(1):011004. DOI 10.1117/1.NPh.4.1.011004. PMID 27570791. PMCID PMC4981749.

**Khalil N, Honda M, Ebert J, Lee M, Koskela A, Hangartner T, Nahhas RW, Kannan K.** "Perfluoroalkyl substances, bone density, and cardio-metabolic risk factors in obese 8-12 year old children: a pilot study." *Environmental Research*. 2018; 160:314-321. DOI 10.1016/j.envres.2017.10.014. PMID 29040951.

**Khalil N, Kaur B, Lawson A, Ebert J, Nahhas RW.** "Secondhand smoke exposure is associated with Autism Spectrum Disorder in U.S. males but not in females: results from the National Survey on Children's Health." *Environmental Disease*. 2018; 3(1):8-17. DOI 10.4103/ed.ed\_2\_18.

**Khalil N, Wallace K, Tahtamooni O, Rogers N, Nahhas RW.** "Association of secondhand smoke with increased sagittal abdominal diameter in the United States population: National Health and Nutrition Examination Survey 2011–2012." *Environ Dis*. 2018; 3:45-51.

**Lamy FR, Daniulaityte R, Nahhas RW, Barratt MJ, Smith GA, Sheth A, Martins SS, Boyer EW, Carlson RG.** "Increased in synthetic cannabinoids-related harms: Results from a longitudinal web-based content analysis." *International Journal of Drug Policy*. 44:121-129.

**Lamy FR, Daniulaityte R, Zatreh M, Nahhas RW, Sheth A, Martins SS, Boyer EW, Carlson RG.** "You got to love rosin: Solventless dabs, pure, clean, natural medicine." *Exploring Twitter Data on Emerging Trends in Rosin Tech Marijuana Concentrates.* *Drug and Alcohol Dependence*. 183:248-252.

Nash WA, Hall LA, Ridner SL, Hayden D, Mayfield T, Firriolo J, Hupp W, Weathers C, **Crawford TN.** "Evaluation of an interprofessional education program for advanced practice nursing and dental students: The oral-systemic health connection." *Nurse Education Today*. Published online ahead of print March 27, 2018. DOI: 10.1016/j.nedt.2018.03.021.

Okeke R, **Khalil N, Paton S.** "Association of Maternal Demographics with Breastfeeding of Low Birth Weight Infants in Ohio in 2012." *Clinical Lactation*. 2017; 8(1):22-27(6).

**Orlowski M**, Lee M, Spears W, Narayan R, Pobocik R, Kennel J, Krafka, Patton S. "Patterns in vegetable consumption: Implications for tailored school meal interventions." *Journal of School Health*. 2017; 87(5):346-352.

Parikh PP, **White MT**, Buckingham L, Tchorz KM. "Evaluation of palliative care training and skills retention by medical students." *Journal of Surgical Research*. 2017; 211:172-177.

Rogers NL, **Redko C**, Smith, LJ. "Marketing skin-to-skin-contact in the kangaroo position as a frugal technology: A no-cost way to support improved maternal-child health outcomes across global contexts." *International Journal of Health Sciences & Research*. 2017; 7(8):364-374.

Shawler C, Edward J, Ling J, **Crawford TN**, Rayens MK. "Impact of Mother-aughter Relationship on Hypertension Self-Management and Quality of Life: Testing Dyadic Dynamics Using the Actor-Partner Interdependence Model." *Journal of Cardiovascular Nursing*. 2017; 33(3):232-238.

Smith S, Keltner C, Stikes R, Hayes P, **Crawford TN**. "Comparisons of Axillary and Temporal Artery Thermometry in Preterm Infants." *Journal of Obstetric, Gynecologic, & Neonatal Nursing*. 2018. Published online ahead of print. PII: S0884-2175(18)30052-2. DOI: 10.1016/j.jogn.2018.02.013.

Strayer K, Antonides H, Juhasick M, **Daniulaityte R**, Sizemore I. "A LC-MS/MS-based method for the multiplex detection of 24 fentanyl analogs and metabolites in whole blood at sub ng mL<sup>-1</sup> concentrations." *ACS Omega*. 2018; 3:514-523.

Verghese C, **Redko C**, Fink B. Screening for lung cancer has limited effectiveness globally and distracts from much needed efforts to reduce the critical worldwide prevalence of smoking and related morbidity and mortality." *Journal of Global Oncology*. 2017. DOI: <https://doi.org/10.1200/JGO.17.00016>.

Villares C, **Redko C**, Mari J. "Conceptualizations of illness in relatives of patients diagnosed with schizophrenia." *International Review of Psychiatry*. 2017. <http://dx.doi.org/10.1080/09540261.2017.1285549>.

**White MT**, Satterfield CA, Blackard JT. "Essential competencies in global health research for medical trainees: A narrative review." *Med Teach*. 2017; 39(9):945-953.

**White MT**, Satterfield CA, Blackard JT. "Response to: Comment on: Essential competencies in global health research for medical trainees: A narrative review. *Medical Teacher*, November 2017, epub ahead of print. <http://dx.doi.org/10.1080/0142159X.2017.1392676>.

Zeola MP, Guina J, **Nahhas RW**. Mental health referrals reduce recidivism in first-time juvenile offenders, but how do we determine who is referred? *Psychiatric Quarterly*. 2017; 88(1):167-183. DOI 10.1007/s11126-016-9445-z. PMID 27241528.

Zepeda KGM, Silva MM, Silva IR, **Redko C**, Gimbel S. (2018) Fundamentals of Implementation Science in Global Health: an intensive course for an emergent field of research (Portuguese) Escola Anna Nery Revista de Enfermagem. 22(2):e20170323 DOI: 10.1590/2177-9465-EAN-2017-0323.

## Books, Chapters, Reviews

**Mary T. White, MDiv, EdM, Ph.D.**

### Book Chapters:

**White MT** and Anderson K (2017) Why Matters: Motivations in Global Health Training. In: Arya AN and Evert J, Eds. *Global Health Experiential Education: From Theory to Practice*. Routledge.

**White MT**, Blackard JT, Satterfield CA (2017) Global Health Research: Practical Guidelines. In Arya AN, Ed., *Preparing for International Health Experiences: A Practical Guide*. Routledge.

### Manuscript Review:

*BMC Medical Ethics*, Must we remain blind to undergraduate medical ethics education in Africa? A cross-sectional study of Nigerian Medical Students (x2 -review of revisions).

*BMC Medical Ethics*, Patient-targeted googling and social media: A cohort study of senior medical students (x2 - review of revisions).

Oxford University Press, Book Proposal, *The Histories of HIVs: The Emergence of the Multiple Viruses that Caused the AIDS Epidemics*.

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## Abstracts/Poster Presentations

Al-Juboori R, **Redko C**, **Khalil, N**. *Conduct Disorder in Times of Crisis in the Eastern Mediterranean Region*. The 9th Annual Consortium of Universities for Global Health (CUGH) Conference. New York City, NY. 16-18 March 2018.

Al-Juboori R, **Redko C**, **Khalil N**. *Conduct Disorder in Times of Crisis in the Eastern Mediterranean Region*. Georgia State University, Fulbright Global Health Innovations Seminar. Atlanta, GA. March 2018.

Amraotkar M, Midden A, **Crawford TN**, Combs R, McCarthy VL. Promoting Self-Care among Older Female Alzheimer's Caregivers: The PATH Program. Cleveland, OH. April 2018.

Clark K, **Nahhas RW**, **Khalil N**. *The relationship between triclosan and body mass index in US adults: A study using 2013-2014 NHANES data*. Ohio Public Health Association Combined Conference, Columbus, OH. May 2016.

Czerwinski SA, **Nahhas RW**, Roa MO, Choh AC, Lee M. Recent secular trends in abdominal adiposity in the Fels Longitudinal Study. Abstract presentation at: The Obesity Society Annual

Meeting at ObesityWeek<sup>SM</sup> 2017; www.obesityweek.com. Washington, DC. 29 October–2 November 2017.

**Daniulaityte R**, Lamy FR, Juhaszik M, Zatreh M, Strayer K, **Carlson R**. “That fentanyl dope is way worse”: Characterizing fentanyl outbreaks in the Dayton (Ohio) area. Presentation: College on Problems of Drug Dependence Meeting. Montreal, Canada. 16-22 June 2017.

**Embree JA**, Grove K, **Taylor K**, **Wilson JF**. Lessons Learned Using Latent Semantic Analysis to Reduce Researcher Bias in Back Translation of Instruments in American Sign Language. Western Social Science Association (WSSA) Annual Meeting. San Francisco, California. 12-15 April 2017.

**Embree JA**, **Kapp V**, **Wilson JF**. Increasing Engagement and Improving Accessibility by Augmenting Traditional Vocational Rehabilitation Services with Online Portals and Videoconferencing. Southwest Disability Conference. Albuquerque, NM. 11-13 October 2017.

**Embree JA**, **Kapp V**, **Wilson JF**. Utilizing Online Portals and Videoconferencing to Deliver Vocational Rehabilitation Services Remotely as an Alternative to Traditional In-Person Counseling. Western Social Science Association (WSSA) Annual Meeting. San Francisco, California. 12-15 April 2017.

**Embree JA**, **Kinzeler N**, **Paton SJ**. Correlations between Increased Adult Suicide Rates and Population Density in Ohio counties from 2007-2012. Western Social Science Association (WSSA) Annual Meeting. San Francisco, California. 12-15 April 2017.

**Ford JA**, **Kissell KM**, **Gaddis R**, Atkinson T, **Brown K**, **Kinzeler NR**. Utilizing a Case Management Approach to Decrease Substance Use in an Adult Re-entry Population. Presentation: American Academy of Health Behavior (AAHB). Portland, OR. 2018.

**Ford JA**, **Gaddis R**, **Kissell KM**, Atkinson T, **Brown K**, Hardin L, Richlen W, **Kinzeler NR**. Utilizing case management to bridge the gap between incarceration and substance abuse treatment. Presentation: annual meeting of the American Public Health Association (APHA). Atlanta, GA. 2017.

Guthmann D, **Wilson J**, **Embree JA**. Key training components needed to access an Online Suite of assessments related to Career, Substance Abuse and Mental Health Assessments in American Sign Language. SERID. Louisville, KY. 12-13 April 2018.

Guthmann D, **Wilson J**, **Embree JA**. Key Training Components for Utilization of an Online Suite of Career Interest and Behavioral Health Assessments in American Sign Language. American Public Health Association (APHA) Conference. Atlanta, GA. 7 November 2017.

Hall LA, Batscha C, **Crawford TN**, Polivka BJ, Wright J, Theriot J. Effects of brief CBT on child and caregiver outcomes. Council for the Advancement of Nursing Science Advanced Methods Conference: Pragmatic Trials Conference. Washington D.C. October 2017.

**Kinzeler N**, Augspurger E, Borders M, **Taylor K**, **Gurley J**, Starr S. SBIRT aids in reducing substance use risk behaviors in primary care patients. Presentation: annual meeting of the American Academy of Health Behavior. Portland, OR. 2018.

**Kinzeler N**, Borders M, Augspurger E, **Taylor K**, **Wilson JF**, Starr S. The use of SBIRT in primary and emergency care settings improves substance use risk behavior in patients. Presentation: annual meeting of the American Academy of Health Behavior. Tucson, AZ. 2017.

**Kissell KM**, **Gaddis R**, Atkinson T, **Brown K**, Hardin L, **Kinzeler NR**, **Ford JA**. Reducing Recidivism by Addressing Common Barriers to Reentry. Presentation: American Academy of Health Behavior (AAHB). Portland, OR. 2018.

**Kissell KM**, **Gaddis R**, Atkinson T, **Brown K**, Hardin L, Richlen W, **Ford JA**. Reducing substance use in an adult reentry population. Presentation: annual meeting of the American Public Health Association (APHA). Atlanta, GA. 2017.

**Kissell KM**, **Gaddis R**, Williams J, **Ford JA**. Integrating Behavioral Health Services: Screening, Prevention, Treatment, and HIV Testing. . Presentation: annual meeting of the American Public Health Association (APHA). Atlanta, GA. 2017.

**Kissell KM**, **Gaddis R**, Williams J, **Ford JA**. Integrating Behavioral Health Treatment with HIV Testing and Aftercare Services: A Preliminary Analysis. Presentation: annual meeting of the American Academy of Health Behavior. Tucson, AZ. 2017.

**Lamy FR**, **Daniulaityte R**, Sheth A, **Nahhas RW**, Smith AG, Martins S, **Carlson R**. Using Twitter to monitor negative effects of cannabis and synthetic cannabinoid products. Presentation: 79th Annual Meeting of the College on Problems of Drug Dependence. Montreal, Canada. 17-22 June 2017.

**McCarthy A**, **Moeller A**, **Daniulaityte R**, **Carlson R**. Exploring reasons of non-medical buprenorphine use among opioid-dependent users. Wright State University, Boonshoft School of Medicine Research Central. 4 October 2017.

**Redko C**, Smith T, **Nahhas RW**, Penry B, Zemmer J. Developing global citizenship and collaboration through online general education. Poster presented at “2017 Teaching Global Health: Summer Institute for Undergraduate Curriculum and Course Design”. Allegheny College, Meadville, PA. 19-21 June 2017.

Seybold AL, Wallace KD, **Ellison SA**, Stiver W, **Paton SJ**. Public Health and Law Enforcement Infant Mortality Collaboration to Assess Parent-Law Enforcement Interaction Prior to Infant Birth: Dayton, Ohio 2013-2015. Abstract published for CityMatCH conference. Nashville, Tennessee. October 2017.

**Sherlock, Sharon** – Household Wellness/Collaborative with FM.

Sligar S, Guthmann D, **Wilson JF**. Utilizing an Online Suite of Mental Health, Substance Abuse, and Career Related Assessments in American Sign Language. Global Rehabilitation Enhanced with Assistive Technology (GREAT) Conference. Wilmington, NC. 10-12 October 2017.

Strayer K, Antonides HM, Juhascik M, **Daniulaityte R**, Sizemore I. Development of a LC-MS/MS-Based Method for the Multiplex Detection of Fentanyl Analogs in Whole Blood at Sub ng mL-1 Concentrations. Midwest Association for Toxicology and Therapeutic Drug Monitoring (MATT) Annual Meeting. Chicago, IL. 20-21 July 2017.

Titus JC, Guthmann D, **Wilson JF**, **Embree JA**, **Taylor K**. Evaluation of Equivalence of the ASL and English Versions of the GAIN-SS Screeners. American Psychological Association Convention. Washington D.C. 3-6 August 2017.

Wallace KD, Seybold AL, **Ellison SA**, Stiver W, **Paton SJ**. Public Health and Law Enforcement Infant Mortality Collaboration to Assess Parent-Law Enforcement Interaction Prior to Infant Birth: Dayton, Ohio 2013-2015. Abstract published for American Public Health Association conference. San Diego, California. October 2017.

Wright J, **Kinzeler N**, Renzenbrink A, Chard K, Adcock K, Peters M, Gregory S, **Kissell K**, **Wilson J**. Improving physical, emotional and psychological wellbeing outcomes of veterans with PTSD: incorporating Mindful Yoga Therapy into Cognitive Processing Therapy. Presentation: annual meeting of the International Society for Traumatic Stress Studies (ISTSS). 2017.

Wright J, **Kinzeler N**, **Kissell K**, Adcock K, Peters M. Strengthening self-care and coping skills improves health related outcomes in mental health professionals. Presentation: annual meeting of the American Academy of Health Behavior. Portland, OR. 2018.

Wright J, **Kinzeler N**, Renzenbrink A, Chard K, Adcock K, Peters M, Gregory S, **Kissell K**, **Wilson JF**. Adding Mindful Yoga Therapy (MYT) to current clinical therapies improves stress related outcomes for veterans. Presentation: annual meeting of the American Academy of Health Behavior. Tucson, AZ. 2017.

Zatreh M, **Daniulaityte R**, **Carlson R**, Sheth A. Characterizing marijuana concentrate users: A Twitter-based survey. Wright State University, Boonshoft School of Medicine Research Central, 4 October 2017.

Zatreh M, **Khalil N**, **Nahhas RW**. *The Association between Lead Exposure and Femoral Neck Bone Mineral Density in U.S. Adults*. Ohio Public Health Association Combined Conference, Columbus, OH. May 2018.

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## Significant Presentations

**Robert Carlson, Ph.D.**

“That fentanyl dope is way worse”: Characterizing fentanyl outbreaks in the Dayton (Ohio) area. Presented at the College on Problems of Drug Dependence Meeting. Montreal, Canada. 16-22 June 2017. (Daniulaityte, Lamy, Juhaszik, Zatreh, Strayer).

Characterizing marijuana concentrate users: A Twitter-based survey. Wright State University, Boonshoft School of Medicine Research Central. 4 October 2017. (Zatreh, Daniulaityte, Sheth).

Exploring reasons of non-medical buprenorphine use among opioid-dependent users. Wright State University, Boonshoft School of Medicine Research Central, October 4, 2017. (McCarthy, Moeller, Daniulaityte).

**Raminta Daniulaityte, Ph.D.**

Overdose Deaths Related to Fentanyl and Its Analogs — Ohio, January–February 2017, Presentation at the Community Overdose Action Team Meeting, Prescription Opioid Branch. Dayton, OH. 27 October 2017.

eDrugTrends: Social Media Analysis to Monitor Cannabis Trends-T23 Substance Abuse Seminar/Webinar. Columbia University. 23 February 2017.

**Nicole Kinzeler, Ph.D.**

Ohio Department of Education and Chancellor visit, Overview of SARDI program. Invited presentation. (March 2018).

Wright State University Board of Trustees Meeting, Overview of SARDI program. Invited presentation. (January 2018).

**Ramzi W. Nahhas, Ph.D.**

NOTE: I did not give these presentations. I was co-author.

Developing global citizenship and collaboration through online general education. **Poster** presented at “2017 Teaching Global Health: Summer Institute for Undergraduate Curriculum and Course Design”. Allegheny College, Meadville, PA. 19-21 June 2017. (Redko, Smith, Penry, Zemmer).

Neurological Soft Signs in Adolescents with Problematic Videogame Playing. **Poster** presentation: 18th Annual Virginia C. Wood Resident Research Forum. Sponsored by DAGMEC (Dayton Area Graduate Medical Education Community). 27 April 2017. (Cheryl L. Green, M.D., Ph.D., Ryan C. Mast, D.O., MBA, Grace Matheson, M.D., Ph.D., Mary Beth DeWitt, Ph.D., Igor Elman, M.D.).

Standard Deviation Scores for Bone Age using the FELS Method. Poster presented at Endo 2018, Chicago, IL. 18 March 2018. (Bright, Cottom, Towne).

The association between lead exposure and femoral neck bone mineral density in U.S. adults age 40 years and older. Poster presentation. 2018 Ohio Combined Public Health Conference. (Zatreh, Khalil).



The Doctor Can See You Now: Telepsychiatry and Intellectual/Developmental Disability. Poster presentation. 18th Annual Virginia C. Wood Resident Research Forum. Sponsored by DAGMEC (Dayton Area Graduate Medical Education Community). 27 April 2017. (Nita Bhatt, M.D., M.P.H., Julie Gentile M.D., Allison Cowan, M.D.).

The relationship between triclosan and body mass index in US adults: A study using 2013-2014 NHANES data. Oral presentation. 2018 Ohio Combined Public Health Conference. (Clark, Khalil).

**Marietta Orłowski, Ph.D., M.C.H.E.S.**

*Teaching Behavior Change in an Age of Social Determinants of Health.* Webinar. Presentation was sponsored by the Public Health Education & Health Promotion Section of the American Public Health Association. 23 October 2017. Recording available at: <https://attendee.gotowebinar.com/register/4909436351930445314>. (Hallam).

*Teaching Behavior Change in an Age of Social Determinants of Health.* Association for Prevention Teaching & Research National Conference, Philadelphia, PA. April 2018. (Hallam).

**Sara J. Paton, Ph.D.**

Public Health and Law Enforcement Infant Mortality Collaboration to Assess Parent-Law Enforcement Interaction Prior to Infant Birth: Dayton, Ohio 2013-2015. Abstract published for American Public Health Association conference. San Diego, California. October 2017. (Wallace, Seybold, Ellison, Stiver).

Public Health and Law Enforcement Infant Mortality Collaboration to Assess Parent-Law Enforcement Interaction Prior to Infant Birth: Dayton, Ohio 2013-2015. Abstract published for CityMatCH conference. Nashville, Tennessee. October 2017. (Seybold, Wallace, Ellison, Stiver).

Correlations between Increased Adult Suicide Rates and Population Density in Ohio counties from 2007-2012. Western Social Science Association (WSSA) Annual Meeting. 12-15 April 2017. San Francisco, California. (Embree, Kinzeler).

**Sharon Sherlock, D.H.A., M.S.A., B.S.N., R.N.**

State of Ohio office of Minority Health Equity Board, Dayton Business Journal "Future of Healthcare".

**Mary T. White, MDiv, EdM, Ph.D.**

Invited participant, UTMB Global Health Education Conference, Poster Adjudication, October.

**Josephine F. Wilson, D.D.S.**

Brain, Gambling, and Addiction. Invited Talk. Ohio Gambling Prevention Conference. Dayton, OH. 27 October 2017.

Substance Abuse in the IDD Population: Methods for Prevention and Intervention. Invited Talk. 2017 Intellectual and Developmental Disability Conference: Innovating, Developing, and Defining the Future. Dallas, TX. 11 May 2017.

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## Consultantships

### Robert Carlson, Ph.D.

- 2014 – Invited member of the National Drug Early Warning System’s Scientific Advisory Group. University of Maryland; Eric Wish, PI.
- 2017 – Substance Abuse Researcher Advisory Board. GROW Ohio Pharmaceuticals, Cleveland, OH.

### Sara J. Paton, Ph.D.

- Invited to be a speaker at the University of Dayton.
- Invited to be a speaker at the Learn to Earn Summit.
- Invited to be an inaugural editor of the Ohio Journal of Public Health.

### Sharon Sherlock, D.H.A., M.S.A., B.S.N., R.N.

- Muslim Clinics of Ohio.

### Josephine F. Wilson, D.D.S.

- Hospice of Dayton – collaborated as co-author, grant writer, data analyst.
- United Against Violence, Montgomery County – grant writer, project evaluator.
- Deaf World Against Violence (DWAVE) – grant writer, project developer.

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## Other Recognition

### Robert Carlson, Ph.D.

- 2015-Present: Appointed Affiliate Faculty member of Kno.e.sis (Ohio Center of Excellence in Knowledge-enabled Computing) College of Computer Science and Engineering, Wright State University. <http://knoesis.org/people>.
- 2017: (26) manuscripts reviewed for Addiction\*\* Drug and Alcohol Dependence\*\*\*\*\*; Drug Design, Development, and Therapy\* International Journal of Drug Policy\*\*\*\*\* Journal of Addictive Diseases\* Journal of Rural Health\*\* Pain\* Revista Brasileira de Psiquiatria\* Social Science and Medicine\* Social Science Research\* Substance Abuse\*\* Substance Abuse Treatment, Prevention, and Policy\* (includes revision reviews).
- 2018: (5) manuscripts reviewed for: Addiction\*\* Drug and Alcohol Dependence\* International Journal of Drug Policy\* Substance Use and Misuse\*.

### Raminta Daniulaityte, Ph.D.

- NIH/NIDA Reviewer.
- 2018, March-Mechanisms for Time Sensitive Research, NIH/NIDA.

- 2018, January-Neurobiology of Motivated Behavior (NMB) Study Section, Tobacco Centers of Regulatory Science for Research Relevant to the Family Smoking Prevention and Tobacco Control Act (U54), NIH/NIDA.
- 2017, March-Mechanism for Time Sensitive Drug Abuse Research (R21), NIH/NIDA.
- 2017, February-Special Emphasis Panel (SEP), NIH/NIDA.
- Manuscript Review: 5 manuscripts: (DAD, JMIR, Addiction).

**James Ebert, M.D., M.B.A., M.P.H., F.A.A.P., C.P.H.**

- Board of Directors, American Journal of Preventive Medicine.
- Item writer for examination, National Board of Public Health Examiners.
- Reviewer, Journal of Adolescent Health.
- Reviewer, Journal of Pediatrics.
- Board of Directors, Association for Prevention, Teaching and Research.
- Board of Directors, National Board of Public Health Examiners.

**Ramzi W. Nahhas, Ph.D.**

- Member, Editorial Board, American Journal of Human Biology.
- Ad-hoc reviewer:
  - BMC Health Services Research.
  - International Journal of Drug Policy.
  - Obesity.
- Abstract Reviewer:
  - Epidemiology Section, American Public Health Association 2018 Annual Meeting.
  - APHA-Council of Affiliates Program, American Public Health Association 2018 Annual Meeting.
- Inducted into the Wright State University Gamma Alpha Chapter of the Delta Omega Honorary Society in Public Health (2018).

**Cristina Redko, Ph.D.**

- Book reviewed for: SAGE (Using Dedoose for Qualitative and Mixed Methods Research. A Practical Approach Across the Social Sciences), September 2017.

**Josephine F. Wilson, D.D.S.**

- Awarded the 2017 Jim Wuelfing Annual Award for Prevention from the National Council on Problem Gambling at their annual meeting in July 2017.

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## **6. Summary of Service Activities – Committee Membership/Officer**

### **Boonshoft School of Medicine**

**Robert Carlson, Ph.D.**

- 2018: Appointed Center Director, Research Center. Population and Public Health Sciences.
- 2015-June 2017: Elected Member, BSOM Advancement and Promotions Committee.

- 2011: Appointed Chair, Advancement and Promotions Committee, Department of Population and Public Health Sciences.
- 2014: Appointed Chair, Opioid Working Group, Boonshoft School of Medicine.

**Raminta Daniulaityte, Ph.D.**

- Member of Continuing Medical Education Committee, Boonshoft School of Medicine, Wright State University.
- Member of Opioid Working Group, Boonshoft School of Medicine, Wright State University.

**James Ebert, M.D., M.B.A., M.P.H., F.A.A.P., C.P.H.**

- MPH Curriculum Committee.

**Thomas F. Jarnot, M.D., M.S.**

- Clinical and Faculty Affairs CME Committee Member.

**Naila Khalil, Ph.D.**

- Served as a judge on the WSU BSOM Tenth Annual Medical Student Research Symposium- April 2018.
- Evaluate MPH applicants in the SOPHAS system in the department of Population and Public Health Sciences (2018).
- MPH program Curriculum Committee member.

**John McAlearney, Ph.D.**

- Department of Population & Public Health Sciences
  - Health Care Management Certificate Program (Director)
  - Public Health Leadership Certificate Program (Director)
  - Division of Health Systems & Policy (Director)
  - MPH Core Faculty Committee
  - MPH Accreditation Committee
  - MPH Curriculum Committee (chair)
  - MPH Admissions Committee
  - BSOM Graduate School Curriculum Committee (chair)

**Ramzi W. Nahhas, Ph.D.**

- Medical Student Research Symposium, Poster Judge, Boonshoft School of Medicine (volunteer) (2018).
- Research Committee, Boonshoft School of Medicine (elected, two terms) (2015-2019).
- Member, Search Committee, Director of Statistical Consulting Center faculty position, Department of Mathematics and Statistics (appointed) (2017).

**Marietta Orlowski, Ph.D., M.C.H.E.S.**

- Wright State University Faculty Senate-BSOM Representative-Attended monthly Faculty Senate meetings, represent BSoM Faculty.
- Wright State University Academic Reorganization Committee (ARC)-BSOM Representative-Solicited feedback from faculty and program/units to the ARC and provided updates to BSoM faculty.
- Wright State University Strategic Planning-BSOM Representative-Attended 3-day strategic planning forum and participated in the mini-forums (May – August) to draft a strategic plan.
- MPH Admissions-HPE Concentration Director-Reviewed applicants to the MPH program.
- MPH Curriculum-HPE Concentration Director-Updated HPE concentration competencies and assessments.
- Delta Omega-Gamma Alpha Chapter-Chapter President – Coordinated 2017 DO inductions and DO lecture. Chairperson: Student Awards & Recognition-Facilitated selection of MPH Student Awards for Excellence; WSU Graduate School of Excellence; and WSU submissions to Delta Omega posters at APHA.

**Sara J. Paton, Ph.D.**

- Delta Omega Vice President
- Boonshoft School of Medicine CME Committee
- Member of Graduate Faculty
- WSU Breastfeeding Institute

**Sharon Sherlock, D.H.A., M.S.A., B.S.N., R.N.**

- Reach Out of Montgomery County

**Mary T. White, MDiv, EdM, Ph.D.**

- Women’s Liaison Officer/GWIMS AAMC
- Chapter Coordinator: Gold Foundation Humanism Honor Society, BSOM Chapter
- Member, Doctoring Committee, new curriculum
- Professionalism task force
- Steering Committees: Ob/Gyn and Internal Medicine clerkships
- PPHS Faculty Promotions Committee

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**Wright State University**

**Raminta Daniulaityte, Ph.D.**

- Member of Faculty Budget Priority Committee, Wright State University.

**Naila Khalil, Ph.D.**

- Grant reviewer for WSU Women In Science Giving Circle (2018).
- Nominated by the Dean BSOM as School representative to the International Student Recruiting sub-committee, WSU’s Strategic Enrollment Planning Task Force.
- Nominated by the Department Chair to attend Basic Sciences Chairs Meeting October 2017.

**John McAlearney, Ph.D.**

- Graduate School-Curriculum Committee A (chair), BSOM Council Representative.

**Ramzi W. Nahhas, Ph.D.**

- BSOM Representative on the Faculty Senate Executive Committee (June 2017 – June 2019).
- Senator, Faculty Senate (June 2017 – June 2019) (elected).
- International Program Collaboration Committee (IPCC) (a subcommittee of the International Education Advisory Committee (IEAC), Faculty Senate) (2016-2017) (appointed).

**Sara J. Paton, Ph.D.**

- Chair of MPH Admissions Committee
- Chair of MPH Advisory Board
- Curriculum Committee Member of MPH Program

**Cristina Redko, Ph.D.**

- WSU Center for Teaching and Learning Faculty Advisory Board.

**Sharon Sherlock, D.H.A., M.S.A., B.S.N., R.N.**

- Integrated Care Education with WSU-School of Nursing, Cedarville, UD, BSOM

**Mary T. White, MDiv, EdM, Ph.D.**

- WSU Gender Based Harassment and Violence Prevention
- WSU UCIE Advisory Committee on Internationalizing the Curriculum

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**Wright State Physicians****James R. Ebert, M.D., M.B.A., M.P.H., F.A.A.P., C.P.H.**

- WSP Board of Directors
- WSP Management Committee

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**Hospital or Affiliated Institution****James R. Ebert, M.D., M.B.A., M.P.H., F.A.A.P., C.P.H.**

- Dayton Children's Hospital, Professional Staff

**Marietta Orlowski, Ph.D., M.C.H.E.S.**

- Premier Health – Board of Trustees, Community Benefit Subcommittee – Provide input on organization's community benefit plan and review funding requests related to community benefit.
- Epilepsy Foundation Greater Dayton Region – Board of Trustees – Term began in May 2018.

**Mary T. White, MDiv, EdM, Ph.D.**

- Public Health Dayton & Montgomery County: Temporary Chair, Ethics Committee (ended May, 2017).
- Hospice of Dayton Ethics Committee
- Dayton Area Ethics Consortium

- Kettering Hospital Ethics Committee
- Dayton Children’s IRB
- Premier Health Systems Health and Social Services sub-committee (deals with health care access and language services for non-English speaking refugees and immigrants).

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## **State/Local**

### **Robert Carlson, Ph.D.**

- Addiction Roundtable-Invited Member. Ohio Department of Mental Health and Addiction Services. Meets monthly in Columbus, OH.
- Community Overdose Action Committee-Invited Member. Data Branch. Public Health Dayton & Montgomery County, OH.

### **Timothy N. Crawford, Ph.D., M.P.H.**

- LGBTQ Health Alliance – Member (June 2018) – Public Health Dayton & Montgomery County.

### **Raminta Daniulaityte, Ph.D.**

- Member of Education and Information Branch, Community Overdose Action Team, Montgomery County, Ohio.

### **James R. Ebert, M.D., M.B.A., M.P.H., F.A.A.P., C.P.H.**

- Ohio Public Health Association – Governing Council

### **Jo Ann Ford, M.R.C.**

- Member, Greene Country Prevention Coalition
- Member, MonDay Community Correctional Institution Provider Board
- Member, Montgomery County HIV/AIDS Prevention Committee

### **Naila Khalil, Ph.D.**

- Member of Ohio Public Health Resiliency Coalition (OPHCRC), Ohio Public Health Association.
- Coauthored white paper on climate preparedness for use by local public health professionals to address the impacts of climate change.
- <https://ohiopa.org/download/climate-resiliency-in-ohio/>: Climate Resilience in Ohio: A Public Health Approach to Planning and Preparedness.

### **Nicole Kinzeler, Ph.D.**

- Member of the Justice and Mental Health Collaboration Planning group (2017-present).
- Member of the Peer Movement Project (PMP) Advisory Board (2016-present).
- Member of the Fetal Alcohol Spectrum Disorder (FASD) Coalition (2015-present).
- Member of the policy steering committee for the statewide Ohio MHAS SBIRT Initiative (2014-present).

### **Marietta Orłowski, Ph.D., M.C.H.E.S.**

- Ohio Chapter-Society for Public Health Education-Member.

**Sara J. Paton, Ph.D.**

- Ohio Public Health Association
- Ohio Collaborative to Prevent Infant Mortality
- Ohio Department of Health Cancer Group

**Sharon Sherlock, D.H.A., M.S.A., B.S.N., R.N.**

- Public Health Dayton & Montg Co OPIOD Committee, ACA Medicaid & Market Place, Riverside Fire Dept Comm Paramedic, Ohio Commission on Minority Health Medical Expert Panel.

**Josephine F. Wilson, D.D.S.**

- Co-Chair, Women in Reentry Committee (Montgomery County)
- Member, Montgomery County Reentry Executive Board

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**National**

**Robert Carlson, Ph.D.**

- NIDA/NIH. 2017. Acting Chair & Reviewer. Special Emphasis Panel/ 2017/05 ZDA1 HXO-H (18). HIV/HCV and Related Comorbidities in Rural Communities Affected by Opioid Injection Drug Epidemics in the United States. Building Systems for Prevention, Treatment and Control (UG3/UH3). March 24, 2017. Chevy Chase, MD.
- NIDA/NIH. 2017. Grant Reviewer. ZRG1 RPHB-V (02) Member. Conflict: Intervention and Mechanisms for Addiction. Videoconference. June 29, 2017.
- NIDA/NIH. 2018. Grant Reviewer and Alternate Chair. Special Emphasis Panel. ZRG1 RPHB-V (02). Interventions and Mechanisms for Addiction. February 27, 2018.

**Timothy N. Crawford, Ph.D., MPH**

- Society for Epidemiologic Research – Member (January 2018).

**Raminta Daniulaityte, Ph.D.**

- Invited Member of the **Loperamide Expert Panel: Understanding and Addressing OTC Loperamide Abuse and Misuse**, May 10, 2018, Georgetown University Hotel & Conference Center Consumer Healthcare Products Association.

**James Ebert, M.D., M.B.A., M.P.H., F.A.A.P., C.P.H.**

- American Journal of Preventive Medicine – Governing Board, Chair, National Board of Public Health Examiners.
- Consortium for Southeastern Hypertension Control (COSEHC)-Board of Directors.

**Thomas F. Jarnot, M.D., M.S.**

- Aerospace Medical Association
- Education and Training Committee
- Aerospace Safety Committee

**Naila Khalil, Ph.D.**



- Abstract reviewer for the International Society for Environmental Epidemiology – April 2018.

**Ramzi W. Nahhas, Ph.D.**

- Section Councilor, Epidemiology Section, American Public Health Association (elected, 3 year term, started November 9, 2017, runs through APHA 2020 Annual Meeting).

**Marietta Orlowski, Ph.D., M.C.H.E.S.**

- National Commission for Health Education Credentialing, Inc.-Division Board for Certification of Health Education Specialists-Create items for the certification examinations (CHES and MCHES).

**Sara J. Paton, Ph.D.**

- American Public Health Association
- Maternal Child Health Epidemiology Association
- Council of State and Territorial Epidemiologists
- National Association of County and City Health Officials
- Food and Agriculture Protection Training Consortium
- AMCHP
- CityMatCH Institute for Equity in Birth Outcomes

**Cristina Redko, Ph.D.**

- CUGH Education Committee

**Sharon Sherlock, D.H.A., M.S.A., B.S.N., R.N.**

- National Association of Free Clinics, Access to Affordable Medications

**Mary T. White, MDiv, EdM, PH.D.**

- APHA Ethics Task Force
- APHA Abstract Review: Ethics
- APHA Policy Review: Ethics Section Policy Team

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**OTHER**

**Robert G. Carlson, Ph.D.**

- Promotion evaluation for Alex Manini, M.D., to Professor. Department of Emergency Medicine in the Icahn School of Medicine, Mount Sinai, NY, NY. September 2017
- Promotion evaluation for Basmattee Boodram, Ph.D., to Research Associate Professor. Division of Epidemiology and Biostatistics, School of Public Health, University of Illinois-Chicago. September 2017.

**Raminta Daniulaityte, PhD**

- 2015-Present: Appointed Affiliate Faculty member of Kno.e.sis (Ohio Center of Excellence in Knowledge-enabled Computing) College of Computer Science and Engineering, Wright State University. <http://knoesis.org/people>.

**Thomas F. Jarnot, M.D., M.S.**

- Ohio Air National Guard
- Chief, Aerospace Medicine / Flight Surgeon; 178 Medical Group, Springfield Air National Guard Base, Springfield, Ohio.
- Federal Aviation Administration Aviation Medical Examiner refresher course, February 2018, Atlanta, Georgia.

**Sara J. Paton, Ph.D.**

- Public Health-Dayton & Montgomery County Research Review Panel.
- Incident Management Team, Public Health Dayton & Montgomery County.
- Public Health-Dayton & Montgomery County Ethics Committee.
- Child Fatality Review Board, Montgomery County.
- Infant Mortality Coalition, Montgomery County, Ohio.
- Montgomery County Prevention Collaborative.
- Montgomery County Collective Opioid Action Team (Steering Committee and Data Committee).
- Montgomery County Community Health Improvement Plan Steering Committee.
- Journal Submissions - Article submitted to Ohio Journal of Public Health. Jared Embree, Dawn Ebron, Sara Paton, and Tim Crawford. Population Density and Suicide Rates By County in Ohio from 2007-2016.
- In Prep Journal Articles – Tammy Samiec and Sara J. Paton. Neonatal Abstinence: Outcomes at Birth. Submitting to the Maternal and Child Health Journal.

**Sharon Sherlock, D.H.A., M.S.A., B.S.N., R.N.**

- Administrative Organization of Executives, Rotary International Membership.

## **7. Patient Care Summary**

**James Ebert, M.D., M.B.A., M.P.H., F.A.A.P., C.P.H.**

- Provided approximately 1,500 outpatient visits in Lipid Clinic. Collaborated with advanced practice nurse on 3,000 visits.

**Thomas F. Jarnot, M.D., M.S.**

- WSU Flight Medicine Clinic and USAF/Ohio Air National Guard Flight Medicine Clinics.

**Sharon Sherlock, D.H.A., M.S.A., B.S.N., R.N.**

- New collaborations: Psychology behavioral health screening and counseling for depression/anxiety; Physical Therapy with University of Dayton Doctoral students and faculty. Cedarville College Doctoral Pharmacy Students.

## 8. Honors and Awards

## 9. Hosted Events

### Jo Ann Ford, M.R.C.

- Sisterline Grant Project Advisory Board with 12 community members including the Mayor of Trotwood, professional staff from Artemis Center, YWCA, Samaritan Behavioral Health, Public Health, and Premiere Housing. March 2018.
- Rock the Red Pump Event co-sponsored with Public Health Dayton/Montgomery County. This was an HIV awareness event focusing on African American women. March 2018.

### Sharon Sherlock, D.H.A., M.S.A., B.S.N., R.N.

- AF Pediatric Clinics, FM Community Health, IM Resident Community Health, Cedarville College of Pharmacy, 112 WSU-BSOM 1<sup>st</sup>/2<sup>nd</sup> year community health elective & volunteer, Indiana Wesleyan/MPH , Sinclair College MIH.

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## 10. Appendix

The **DPPHS Aerospace Medicine Division** is located at 3123 Research Blvd. in Kettering, Ohio.

From January 2017 – June 2018 the Division of Aerospace Medicine successfully navigated its most challenging period of operations since its inception in 1978. Due to reductions in federal grant support, university organizational realignment, and faculty recruitment and retention hardships, it was announced on April 26, 2017, that the Division of Aerospace Medicine would be closing its residency program and suspending its Master of Science program.

As a result of this decision, significant changes were implemented with the goal of completing the educational programs of current MS students and Aerospace Medicine residents, while concurrently reducing Division financial expenditures and operating costs. Focused efforts by newly appointed Division leadership led to an immediate reduction in spending, relocation and reduction in required office space, and gradual drawdown of remaining program faculty and staff during this period.

Effective June 30, 2018, all Master of Science students completed their studies and graduated from the MS in Aerospace Medicine program. Additionally, all Aerospace Medicine residents completed training or transferred to the University of Texas Medical Branch Galveston for completion of their training.

While these goals were being achieved and operating adjustments accomplished, support from the Aerospace Medicine community at large, coupled with support from Wright State University,

Boonshoft School of Medicine, and the Department of Population and Public Health Sciences, an environment of innovation, collaboration, and positive change was taking shape.

## **CURRENT STATUS**

As of 1 July 2018, the Division of Aerospace Medicine transitioned operations to an unprecedented level of efficiency and a collaborative effort with the Department of Population and Public Health Sciences Masters of Public Health program. These achievements have significantly reduced financial expenditures and resulted in tremendous cost savings to the University while creating first of its kind educational opportunities for future students.

The centerpiece of these new educational opportunities is a Certificate Program in Aerospace Medicine. This new certificate program was proposed in January 2018 and submitted to the University for review in May 2018 with final approval anticipated September 2018. The new certificate program draws upon and expands foundational courses within the Master of Science in Aerospace Medicine curriculum. Entrance requirements for students into the Certificate Program in Aerospace Medicine are unprecedented and have been designed to be exceptionally inclusive compared to historical admission demographics.

A second novel educational opportunity is the creation of an undergraduate level course in Aerospace Medicine targeted toward freshman and sophomore level students. This course may be the first of its kind in the United States and is being designed from the beginning to be presented in a distance learning format, thereby aligning itself with the continued trend of asynchronous online education.

A third planned endeavor is transitioning/expanding the Certificate Program in Aerospace Medicine to an entirely online based format, similar to the undergraduate course currently being created. This process will take time to complete but when finished will be the only program of its kind in the United States and possibly abroad, thus setting Wright State University, Boonshoft School of Medicine, Department of Population and Public Health Sciences, Division of Aerospace Medicine, on a positive trajectory for the future.

The **DPPHS Education Center** is located at 3123 Research Blvd. in Kettering, Ohio.

The DPPHS Education Center's mission is to provide education, conduct research, and promote service towards improving and sustaining the health of populations and individuals worldwide.

Educational responsibilities of the Center include the Master of Public Health (MPH) degree program, certificates in Health Care Management, Public Health Leadership, Global Health, Emergency Preparedness, Epidemiology, and Aerospace Medicine, the Health Care Management concentration for the Wright State University Master of Business Administration (MBA) program, the Physician Leadership Development Program, Public Health Grand Rounds, medical student coursework in Population Medicine, Quantitative Analysis, and Clinical Prevention, and an undergraduate course in Global Health. All graduate school coursework offered by the Center is

provided at the Research Park campus, and all courses are offered in the evenings. Instruction supporting medical school curriculum takes place at White Hall, and the Public Health Grand Rounds take place at community-based sites and the WSU campus.

The MPH program is the largest single activity of the Center. The program was launched in 2004, and achieved full five-year, unconditional accreditation by the Council on Education in Public Health (CEPH) in 2007. The MPH program was re-accredited in April 2012 for seven years, and will undergo reaccreditation once again in 2019. The program is a community-based, interdisciplinary degree with a wide variety of program partners. Academic partners include the WSU College of Education and Human Services, the Raj Soin College of Business, the College of Liberal Arts, the College of Mathematics and Science, and the College of Nursing and Health. Community partners include Public Health Dayton and Montgomery County, as well as several other regional public health districts. The Air Force School of Aerospace Medicine became a partner in the MPH program following its relocation to Wright-Patterson Air Force Base in 2011. The MPH program offers two concentrations; Health Promotion and Education, and Population Health Management.

The certificate program in Health Care Management (HCM) was launched in 2003, and provides graduate level courses in health resource management and policy, health care finance, and health care strategic leadership. It was developed as a joint venture involving with Raj Soin College of Business. In 2005, the Certificate Program received the President's Award for Excellence. Students in the WSU MBA program pursuing a concentration in HCM are eligible to enroll in the Certificate program, but are not required to do so. In 2015, the Center launched certificate programs in Global Health, Emergency Preparedness. In 2016, the certificate program in Public Health Leadership was begun, and in 2017, new certificate programs in Epidemiology and in Aerospace Medicine were started.

The Physician Leadership Development Program (PLDP) offers medical students an innovative program through which they can obtain either a Master of Public Health (MPH) or Master of Business Administration (MBA) degree while pursuing their medical degree. The PLDP program emphasizes physician leadership and provides a unique opportunity to integrate medical and graduate studies through a longitudinal clinical experience that all students take during their graduate term.

Center faculty members have been innovators in medical education by lecturing in the areas of population medicine, quantitative analysis, professionalism, and clinical prevention for medical students in the Boonshoft School of Medicine. Faculty made presentations at national, regional, and local meetings. MPH students presented at regional meetings. In addition to teaching and research, faculty members serve the public health community through various partnerships with regional health departments and membership on numerous local community boards and committees. The many culminating experiences and practice placements completed by MPH students led to extensive improvements and enhanced understanding of several public health programs and services in the metropolitan area, the region, nationally and globally.

**Medical Humanities faculty** continue to support the clinical curriculum: in Year 1, participating in the Clinical Medicine course; Year 2, Reproduction-Endocrine Course and ICM (Wit screenings and

discussion); ethics case conferences in the Psychiatry, Women's Health, and Surgery Clerkships in Year 3, and two SP exercises in giving bad news (ICMIII and Surgery clerkships). Electives include the first-year Global Health Foundations pre-travel elective and online Nutrition in Medicine online elective, and fourth-year electives: Literature and Medicine, Race, Sex and Gender in Medical Education, the Holocaust, Institute for Health Care Improvement online elective, and a new month-long clinical elective on Pain Management and Addictions Medicine.

Public Health activities include attending PHDMC COAT addictions treatment and prescription task force meetings. The Public Health Ethics and Policy course was not offered this year. Additional activities include teaching an upper-level undergraduate course on Health Care Ethics, and substituting teaching for a month for a philosophy course.

Publications include two articles and two book chapters:

**White MT**, Satterfield CA, Blackard JT (2017) Essential competencies in global health research for medical trainees: A narrative review. *Medical Teacher* 39(9):945-953.

Parikh, PP, **White, MT**, Smith L, Tchorz, KM (2017) Evaluation of Palliative Care Training and Skills Retention by Medical Students. *Journal of Surgical Research* 211:172-177.

**White MT** and Anderson K (2017) Why Matters: Motivations in Global Health Training. In: Arya AN and Evert J, (Eds.) *Global Health Experiential Education: From Theory to Practice*. Routledge.

**White MT**, Blackard JT, Satterfield CA (2017) Global Health Research: Practical Guidelines. In Arya AN, (Ed.) *Preparing for International Health Experiences: A Practical Guide*. Routledge.

Research interests of participating faculty include topics in medical humanities, medical ethics, medical education, global health, and medical education research.

### **Participating Faculty**

Kate Conway, MD

Tom Herchline, MD

David Shuster, MD

Robert Reece, PhD (emeritus)

Mark Hess, MD (emeritus)

The **DPPHS Research Center** is located at 3171 Research Blvd. in Kettering, Ohio.

Activities of the Research Center are organized into three areas. These are human growth and development, which includes the ongoing curation and use of the Fels Longitudinal Study; the Center for Interventions, Treatment and Addictions Research (CITAR); and Substance Abuse Resources and Disability Research (SARDI).

The **Fels Longitudinal Study**, which began in 1929, is the world's longest running study of human development, growth, body composition, and aging.

Fels-related research focuses on examining risk factors and health consequences for a number of common diseases, including obesity, cardiovascular disease, sarcopenia, osteoporosis, and functional decline with aging. Researchers are interested in examining these questions using an

approach that examines health and disease across the lifespan. These studies include investigations of normal childhood growth and development, as well as studies of normal aging and chronic disease risk.

The Center also administers undergraduate and pre-graduate student educational research training. Funded by the National Institutes of Health, the STREAMS (Short-Term Training Program to Increase Diversity in Health-Related Research) encourages members of underrepresented minority groups and students with disabilities to choose careers in cardiovascular-related research by providing short-term research internships.

The **Center for Interventions, Treatment and Addictions Research (CITAR)** represents the focal point for substance abuse related services, academic research, and services research. A number of different programs and projects operate within CITAR.

#### Funded Grants

In 2016, The National Institute on Drug Abuse funded a two-year study entitled, *Characterizing Fentanyl Outbreaks: Ethnographic and Forensic Perspectives*. (R21 DA042757. Raminta Daniulaityte, PI). The overall purpose of this time sensitive R21 study is to characterize non-pharmaceutical fentanyl (NPF) outbreaks through the integration of ethnographic/qualitative assessment of active user knowledge and experiences of NPF use, and the results from forensic analyses conducted by the postmortem toxicology and crime laboratories at MCCO/MVRC.

In 2016, The National Institute on Drug Abuse funded a four-year natural history study entitled, *A Natural History Study of Buprenorphine Diversion, Self-Treatment, and Use of Drug Abuse Treatment Services*. (R01DA040811. Raminta Daniulaityte, PI). The overall purpose of the study is to describe and analyze the nature and consequences of buprenorphine diversion among opioid dependent users. Opioid-dependent people (n=400) who have recently used diverted Suboxone or generic buprenorphine will be recruited and interviewed every 6 months for 2 years to elucidate trajectories of buprenorphine and other opioid use, adverse health consequences associated with illicit buprenorphine use, and substance abuse treatment utilization. Using mixed methods, the study will detail and contextualize an emerging phenomenon of public health concern.

In 2014, the National Institute on Drug Abuse funded a three-year study to be conducted by researchers in CITAR and Kno.e.sis, entitled, *Trending: Social Media Analysis to Monitor Cannabis and Synthetic Cannabinoid Use*, (R01 DA039454; Amit Sheth and Raminta Daniulaityte, PIs). The overall goal of this study is to develop an innovative software platform, **eDrugTrends**, that will facilitate analysis of trends in knowledge, attitudes, and behaviors related to the use of cannabis and synthetic cannabinoids as discussed on Web forums and Twitter.

*eDarkTrends: Monitoring Darknet Markets to Track Illicit Synthetic Opioid Trends*. R21. (Raminta Daniulaityte and Amit Sheth, PIs). The overall goals of this time-sensitive R21 are to harness cryptomarket data to conduct surveillance of the illicit synthetic opioid marketing availability trends over time, and identify new substances as they emerge on cryptomarkets.

***The Substance Abuse Resources and Disability Issues (SARDI) Program*** seeks to improve the quality of life for persons with disabilities, including those who are concurrently affected by behavioral health issues. The SARDI Program achieves its objective by conducting collaborative and participatory research, developing intervention approaches and training, and disseminating related information.

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### **New Grants Awarded to SARDI since 2017**

In 2017, SARDI received a one-year (2017-2018) grant from the Montgomery County Juvenile Court for \$23,310 to conduct program evaluation for 14 of their programs. This project just received notice that the grant was renewed for the 2018-2019 fiscal year.

In 2017, SARDI received a one-year (2017-2018) planning grant from the Bureau of Justice Affairs for \$19,500 to conduct program evaluation for the Sharonville Police Department's Justice and Mental Health Collaboration grant.

### **Ongoing Grants**

SAMHSA awarded a three-year CSAT grant of \$1.2 million in its Offender Reentry Program to SARDI starting October 2015. This grant also received a one year no cost extension and will continue until 9/29/2019. The grant provides funding for SUD treatment, including medication-assisted treatment (MAT), case management, and HIV/hepatitis C testing and prevention services for ex-offenders returning to the community.

SARDI collaborates with the Department of Family Medicine to provide evaluation services for its SAMHSA SBIRT grant for \$600,000 awarded October 2015 for three years (2015-2018). A no cost extension has been made to continue until December 31, 2018. This grant supports faculty from WSU Boonshoft School of Medicine, School of Professional Psychology, School of Nursing and Health, and the College of Education and Human Services as they develop and provide SBIRT training to health professions students.

SARDI provides evaluation services for SAMHSA Mental Health First Aid grants of \$375,000 awarded to each of three local grantees, East Dayton, Mount Olive Baptist Church, and Mental Health America from 2015-2018. These grants are intended to provide Mental Health First Aid training to individuals recruited by the grantees. SARDI staff will collect, manage, and analyze data for these three projects.

Interact for Health (formerly the Health Foundation of Greater Cincinnati) awarded SARDI a one-year grant of \$15,000 to evaluate a Mindfulness Project funded by Interact for Health. This project did continue through all of 2017 and ended in June, 2018. It studied the effect of yoga and mindfulness training of coping and mental health in veterans with PTSD and the counselors who treat them.

SARDI was awarded a contract to evaluate a 3-year (2015-2018), \$300,000 grant awarded to the Montgomery County ADAMHS Board by the Bureau of Justice Affairs. This grant developed a diversion program for the county and has increased the number of case managers in the County Jail.



In 2014, SAMHSA awarded three grants totaling \$2,000, 000 to SARDI over a four-year period (9/30/2014 – 9/29/2018), including a CMHS grant for \$917,200, a CSAT grant for \$298,200, and a CSAP grant for \$784,600. These grants support the Intensive Continuum-of-Care Services (ICS) Project, which will provide AOD/HIV prevention services to youth and adults and provide co-located treatment of substance use disorders, mental health disorders, and HIV at Samaritan Behavioral Health. These projects requested and received a one year no cost extension and will continue until 9/29/2019.

In 2014, SARDI received a five-year (10/1/2014 – 9/30/2019) NIDRR DRRP grant of \$2,449,934 to translate and validate eight widely used assessment instruments into American Sign Language (ASL). These instruments, once validated, will be made available online for free, and their use by VR counselors will be monitored and analyzed.

In 2014, SARDI also received a NIDRR FIP grant of \$599,977 in 2014 for a period of three years (10/1/2014 - 9/30/2017) to investigate the use of web portals and online VR services by counselors who are trained by SARDI staff to use these services. A one year no cost extension was requested and received, so this grant ends 9/30/2018.

SARDI continued a 5-year (2013-2018) grant from Ohio MHAS for \$415,000 to conduct GPRA training and provide GPRA data management for their SAMHSA SBIRT Cooperative Agreement. This project has requested a no cost extension but has not received an approval award yet.

SAMHSA awarded a three-year CSAT grant of \$1.5 million to SARDI for its Sisterline 2 project. This grant funds substance abuse treatment and HIV and trauma prevention interventions for African American women in Montgomery County from 2016-2019.

SARDI received a five-year CSAP grant of \$1.5 million for its Peer Movement Project (PMP) from 2016-2021. PMP will provide HIV and Hepatitis C testing and prevention interventions for African American college students who are at greatest risk for sexually transmitted infections.

SARDI also received a SAMHSA grant to supplement its Minority AIDS Initiative Continuum of Care Pilot with a syringe exchange program in 2016. This grant was awarded for an additional year and will end 9/29/2018. It allowed SARDI staff to work with Public Health staff to provide a needle exchange program at Mt. Olive Church in west Dayton.

**SARDI staff submitted additional grant applications this reporting period:**

In January 2017, a project was developed by SARDI staff and submitted to NIDLRR for a project that would focus on virtual reality. This project was not funded.

In February 2017, a collaborative grant was written with Family Medicine and submitted to NIH. It related to emotional learning and adverse childhood experiences. This was not funded.

Also in February 2017, a SAMHSA ATTC (Addiction Technology and Transfer Center) proposal was submitted but not funded.

In March 2017, a collaborative proposal was developed with Hospice of Dayton and submitted to the American Cancer Society related to palliative care. It was not funded.

In April 2017, SARDI collaborated with the Dayton Police Department to submit a proposal to BJA related to helping addicts get into treatment and recovery. It was not funded.

Another collaborative proposal was submitted in May 2017 to the National Institute of Justice in partnership with the Montgomery County Sheriff's Department. It was not funded.

In August 2017, we were a finalist for an Ohio Third Frontier ReadMI project with Family Medicine. However, we did not receive funding.

In January 2018, a proposal was submitted to SAMHSA under their Offender Reentry Program to continue working with substance abusing individuals being released from the MonDay correctional facility or the Montgomery County Jail. We are waiting to hear about funding status.

In February 2018, a proposal was developed by Family Medicine and Dr. Wilson and submitted to SAMHSA for a Screening, Brief Intervention, and Referral to Treatment (SBIRT) project. If funded, SARDI would provide the evaluation. We are waiting to hear about funding status.

Another proposal was submitted in February 2018 in collaboration with DWAVE (Deaf World Against Violence Everywhere) to the OVW to provide online services for Deaf women who are victims of violence. We are waiting to hear about funding status.

An AHRQ ReadMI proposal was submitted in collaboration with Family Medicine in February 2018. It was not funded but is being revised for a new submission.

In April 2018, SARDI submitted a grant proposal to SAMHSA under their Enhancement and Expansion of Treatment and Recovery Services for Adolescents, Transitional Aged Youth, and their Families (TREE) Program to work with Daybreak to provide services to transition aged youth. We are waiting to hear about funding status.

In April 2018, a proposal was written by Dr. Wilson for Mt. Olive Baptist Church to SAMHSA to provide mental health awareness and other services to African American. If funded, SARDI would be the evaluators for the project. We are waiting to hear about funding status.

Also in April 2018, a NIDILRR proposal related to virtual reality to assist people with low vision was submitted. We are waiting to hear about funding status.

A CDC Presto grant with Family Medicine was submitted in April 2018. We are waiting to hear about funding status.

In June 2018, two proposals were developed with two partners (Mt. Olive Baptist Church and the Dayton Police Department). Both submissions were to SAMHSA's Mental Health Awareness Training programs. We are waiting to hear about funding status.

Dr. Wilson and other faculty members wrote or assisted in writing several other proposals for our community partners. Most of those include some funding for SARDI for program evaluation.

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**Reach Out of Montgomery County (ROMC)** started in 1994 as a Robert Wood Johnson Foundation grantee with a mission to secure the underserved population access to equity of health care services by local physician volunteers. Founded by Dayton and Montgomery County Public Health Department, Wright State University Boonshoft School of Medicine (WSU-BSOM), and Montgomery County Medical Society ROMC gathered additional long-term support from area hospital systems Premier and Kettering Health Network. Supported by professional volunteers and students from surrounding universities WSU-BSOM and Ellis Institute Psychology Dept., UD-Physical Therapy Department, Cedarville College of Pharmacy, and Sinclair HIM department, Reach Out has become the flagship for integration of care through its multidisciplinary approach to chronic care. According to Ohio Association of Free Clinics, Reach Out is the second largest free clinic in size and service in the state of Ohio, First to open a charitable Pharmacy as well as carry a AAA rating on quality standards. Reach Out's expands its access to create equity in care delivery with a multi-cultural awareness and sensitivity to healthcare rituals and practice throughout the world.

The Department of Population and Public Health Sciences is also affiliated with **Premier Community Health**. Premier Community Health is part of Premier Health Partners and serves the community with programs focused on prevention, early detection, and self-management education around heart, cancer, diabetes, and lung health. It provides mammograms and Pap tests to uninsured and under-insured (working poor) women over 40 in nine counties. It also provides free and low cost heart risk assessments, colorectal cancer kits, diabetes education and hemoglobin A1C's, tobacco cessation counseling and more.

Report compiled by Ron Combs & Bonnie Owens