



## **Department of Population and Public Health Sciences**

### **Annual Report**

July 1, 2019 – June 30, 2020

Marietta Orłowski, Ph.D., MCHES, CPH  
Chair

# 1 Statement from the Chair

Faculty and staff are the foundation of our education and research successes. This year, we welcomed two new members to our team and welcomed-back two former colleagues.

Amanda Hinson-Enslin, Ph.D., M.P.H. was hired as an assistant professor in health promotion and education and Camille Edwards, M.P.H. joined as the director of public health workforce and community engagement and will guide the department's expansion of workforce development and alumni engagement activities. The department also welcomed back biostatistics Professor Ramzi Nahhas, Ph.D. and Sheri Gladish, M.D., an assistant professor in aerospace medicine.

We also celebrated the retirements of three senior faculty – Drs. Robert Carlson, Sharon Sherlock, and Mary White. Their wealth of experience and knowledge will be missed.

## **Academics**

Faculty and staff of the education center offer the Master of Public Health degree along with six certificate programs. Forty M.P.H. students, including one dual degree student (M.D./M.P.H.), enrolled during the 2019-2020 academic year. The program generated 784 graduate credit hours and graduated 20 M.P.H. students. The department also implemented new recruitment strategies including virtual open house events and the Boonshoft Public Health Workforce Scholarship for employees of local public health departments.

A major accomplishment of the education center faculty and staff was the accreditation of the Master of Public Health program by the Council on Education for Public Health (CEPH). Over 10 community partners, 14 alumni, and 13 students participated in the successful site visit.

As a result of the COVID-19 pandemic, classes and operations were moved into remote delivery modes in March. The department held a virtual graduation recognition ceremony and created a video to celebrate our M.P.H. students' accomplishments. Both faculty and students eagerly await the time when they can celebrate these accomplishments in person.

## **Research**

The department's research centers conducted work related to substance use, behavioral health, and disabilities. The faculty and staff of these centers directed 13 grants totaling over \$2.6 million in annual expenses. The research teams made 21 national, state, and local presentations. Research faculty also took more active roles in the education center including co-teaching courses and supervising student research capstones.

Looking forward, the department's vision is to be recognized as the leader of population and public health initiatives within the university and across southwest Ohio. Goals for the upcoming year include rebuilding research efforts through new partnerships and mentoring junior faculty, expanding public health education programs, and expanding workforce and community engagement activities.

## 2 Divisions/ Programs

| Name of Division or Program  | Director                                   | Dates          |
|--|--|----------------|
| Education Center   |  |                |
| Aerospace Medicine Certificate                                       | Thomas Jarnot M.D., M.S.                   | 2019 – Present |
| Emergency Public Health Certificate                                  | Mark Gebhart M.D.                          | 2016 – Present |
| Epidemiology Certificate   | Sara Paton Ph.D.                           | 2018 – Present |
| Global Health Certificate  | Cristina Redko Ph.D.                       | 2015 – Present |
| Health Care Management Certificate                                   | John McAlearney Ph.D.                      | 2003 – Present |
| Master of Public Health Program                                      | Sara Paton Ph.D., M.S.                     | 2015 – Present |
| Public Health Leadership Certificate                                 | John McAlearney Ph.D.                      | 2016 – Present |
| Center for Interventions, Treatment, and Addictions Research (CITAR) | Robert Carlson Ph.D.                       | 2004 – 2020    |
| Reach Out of Montgomery County                                       | Sharon Sherlock D.H.A., M.S.A., B.S.N., RN | 1998 - 2019    |
| Substance Abuse Resources and Disability Issues (SARDI)              | Jo Ann Ford M.R.C.                         | 2018 – Present |

## 3 Fully Affiliated Faculty

| Name and Academic Position   | Center Affiliation | Research Interests   |
|--|--------------------|--|
| Timothy N. Crawford Ph.D., M.P.H.<br>Assistant Professor           | Education Center   | HIV & Aging; HIV engagement in care; HIV and stigma; multi-morbidity patterns; LGBT health; Analysis of existing data; Mediation Analyses  |
| Raminta Daniulaityte Ph.D.<br>Associate Professor                  | CITAR              | Substance use epidemiology; opioid use disorders and health-related risks; emerging cannabis use practices and trends; social determinants of health; mixed methods research and trans-disciplinary research; web-based research methods; social media data analytics for public health surveillance |
| Jo Ann Ford M.R.C.<br>Instructor                                   | SARDI              | Women with disabilities, including substance abuse, violence issues, & advocacy  |
| Mark E. Gebhart M.D.<br>Associate Professor                        | Education Center   | Emergency public health; disaster medicine; zoonotic disease; Global One Health; emergency medical services; military public health  |
| Sheri Gladish M.D.,<br>Assistant Professor                         | Education Center   | Undergraduate science education; environmental medicine; human factors in multiple environments  |
| Amanda Hinson-Enslin Ph.D.,<br>M.P.H., CHES<br>Assistant Professor | Education Center   | Health information-seeking behaviors, including individuals who experience disabilities, wellbeing among students  |
| Thomas F. Jarnot M.D.,<br>M.S.<br>Assistant Professor              | Education Center   | Human factors in aerospace accident investigation; aircrew flight training; enhancing flight surgeon pilot/patient rapport to optimize aviation safety   |
| Naila Khalil M.B.B.S., Ph.D.,<br>M.P.H., CPH<br>Professor          | Education Center   | Environmental exposures and chronic disease, endocrine disruptors, climate change  |

| <b>Name and Academic Position</b>                             | <b>Center Affiliation</b>   | <b>Research Interests</b>   |
|---|-----------------------------|---|
| Nicole Kinzeler Ph.D.<br>Assistant Professor                  | Education Center &<br>SARDI | Program evaluation; substance use education and treatment; HIV prevention; disability   |
| Ramzi W. Nahhas Ph.D.<br>Professor                            | Education Center            | Biostatistics, epidemiology, longitudinal data analysis, substance use, psychiatry, public health   |
| Marietta Orłowski Ph.D.,<br>MCHES, CPH<br>Associate Professor | Education Center            | Risk reduction in children and adolescents; building capacity for community-based program evaluation; theoretical framework of public health programs and policy                        |
| Sara J. Paton Ph.D., M.S.,<br>CPH<br>Associate Professor      | Education Center            | Maternal and child health; health assessment; nutrition; emergency preparedness   |
| Cristina Redko Ph.D.<br>Associate Professor                   | Education Center            | Global health; global health education; systems thinking  |
| Sydney Silverstein Ph.D.<br>Research Assistant Professor      | CITAR                       | Substance use & treatment; recovery; cultural anthropology; medical anthropology; visual anthropology & visual research methods<br>Collaborative research; Peru/Amazonia; Midwestern US |
| Mary T. White M.Div., Ed.M.,<br>Ph.D.<br>Professor            | Education Center            | Global health humanities; global palliative care; empathy; addictions and ethics  |
| Josephine Wilson D.D.S.,<br>Ph.D.<br>Professor                | SARDI                       | Substance abuse in the deaf and hard of hearing community; Mental health, substance abuse, and career related assessments in American Sign Language                                     |

## 4 Teaching

### **Baccalaureate Courses - Taught**

ASM 1717 Humans and Machines at Extremes (Gladish)

BIO 4030 Health Care Ethics (White)

PPH 2000 Global Health (Redko)

PPH 2100 Climate Change and Health (Khalil)

### **Baccalaureate Courses - Guest Lectures**

BIO 1080 Introduction to Public Health (McAlearney, Paton, Silverstein)

BIO 2100 Orientation Seminar in Biological Sciences (Khalil)

EES 4720 Epidemiology & Community Health (Khalil, Paton)

### **Graduate Courses - Taught**

ASM 7370 Aerospace Toxicology (Jarnot)

ASM 7571 Aerospace Skills for Healthcare Providers I (Jarnot)

ASM 7771 Fundamentals of Aerospace Medicine I (Jarnot)

ASM 7871 Space Medicine I (Jarnot)

FIN 7500 Financial Management of Health Service Organizations (Adjunct- Hogan)

PPH 6100 Biostatistics for Health Professionals (Crawford)  
 PPH 6200 Public Health Epidemiology (Nahhas, Paton)  
 PPH 6300 Environmental Health (Khalil)  
 PPH 6400 Social & Behavioral Determinants of Health (Orlowski)  
 PPH 6500 Health Resource Management & Policy (McAlearney)  
 PPH 7150 Applied Epidemiology (Chronic Diseases) (Crawford)  
 PPH 7170/7920 Public Health Epidemiology II (Khalil)  
 PPH 7410 Community Assessment (Paton)  
 PPH 7420 Health Program Planning & Evaluation (Hinson-Enslin)  
 PPH 7430 Health Awareness and Advocacy Communication (Adjunct – Saunders)  
 PPH 7440/7920 Public Health Project Management (Hinson-Enslin)  
 PPH 7510 Strategic Leadership in Health Care Organizations (Adjuncts – Syron, Miller)  
 PPH 7520 Problems in Population Health (Paton, Redko)  
 PPH 7640 Principles of Emergency Preparedness (Gebhart)  
 PPH 7650 Public Health Crisis & Consequence Management (Gebhart)  
 PPH 7660 Public Health Terrorism Preparedness (Gebhart)  
 PPH 7920 Applied Statistics Practicum (Crawford)  
 PPH 8110 Public Health Applied Practice Experience (Paton)  
 PPH 8210 Public Health Integrative Learning Experience I (Paton, Kinzeler)  
 PPH 8220 Public Health Integrative Learning Experience II (Paton, Kinzeler)  
 PPH 8230 Public Health ILE Continued Credit (Paton, Kinzeler)

### **Thesis & Dissertation Committees**

Christiana Draper, M.D./Ph.D. dissertation committee, Wright State University: White  
 Dan Baker, Ph.D. dissertation committee, University of South Florida: Paton

### **Undergraduate Medical Education**

Host and Defense Module Guest Lectures (Crawford)  
 M1 Elective: Global Health Foundations I (White, co-course director)  
 M2 Elective: Global Health Foundations II (White, co-course director)  
 M3 Third Year Clerkships (White):  
     OB/GYN ethics conference  
     Family Medicine SP experience, End-of-life communication debrief  
     Doctoring Sessions: Race in US Medicine; Medical Errors, Addictions  
 M4 Electives (White):

- PPH 806 Literature and Medicine
- PPH 813 Future Directions in Global Health
- SMD 806 IHI Open School Basic Certificate in Quality and Safety
- SMD 818 Addictions and Pain Management
- Clinical Trials Research Elective

Upstream Medicine: Capstone Assessments (Multiple faculty)

**Continuing Medical Education (grand rounds, seminars)**

Guest Lecture for the Department of Surgery's Residents (Introduction to Biostatistics – Crawford)

## 5 Scholarly Activity

**Funded Contracts**

LHD/WSU CHA Collaboration Project. **Paton, S. (Co-I)**, 2017-2019, \$13,727. The primary objective of this project is to develop a regional Community Health Assessment (CHA) that will serve to coordinating local health departments (LHDs) and the hospitals systems.

**Funded Grants**

DHHS, Agency for Healthcare Research and Quality (AHRQ): Real Time Assessment of Dialogue in Motivational Interviewing Training (ReadMI). Hershberger, P., Bricker, D., **Crawford, T. N. (\$5,605)**, **Wilson, J. (\$2,835)**, & Yong, P. (Co-Is). (8/1/2019–7/30/2022). Total FY20 \$174,994

DHHS, Administration for Community Living: Virtual Office Space (VOS) - Improving Employment Opportunities for Individuals. **Wilson, J. (PI)**. (9/29/2019-9/30/2020). **Total FY \$199,767** (Direct: \$158,545; Indirect: \$41,222)

DHHS, Health Resources and Services Administration (HRSA): Accelerating Primary Care Transformation at Wright State (ACT-Wright). Binder, S. B. (PI); **Crawford, T. N. (Co-I: \$9,645)**. (2016 – 2021). Total FY20 \$498,823

DHHS, National Institute on Drug Abuse: Crystal in the Gem City - Characterizing a Methamphetamine Outbreak in the Area of a High Prevalence of Illicit Fentanyl Use. **Daniulaityte, R. (PI)**; **Silverstein, S. (Contract PI & Ethnographer)**. (3/1/2019-2/28/2021). Total FY20 \$227,814 (Direct: \$151,876; Indirect: \$75,938)

DHHS, National Institutes of Health / National Institute on Drug Abuse (NIH/NIDA): A Natural History Study of Buprenorphine Diversion, Self-Treatment, and Use of Drug Abuse Treatment Services. **Daniulaityte, R. (PI) & Carlson, R. (Co-I)**; **Nahhas, R. (Co-Investigator (through March 2020), Principal Investigator (March 2020 – April 2021))**; **Crawford, T. N. (Co-I)**. 07/15/2016 – 04/30/2021

DHHS, Substance Abuse and Mental Health Services Administration: Day-TREE. **Ford, J. A. (PI)**. (9/30/2018-9/29/2023). **Total FY20 \$520,492** (Direct: \$413,088; Indirect: \$107,404)

DHHS, Substance Abuse and Mental Health Services Administration: The Offender Reentry Program. **Ford, J. A. (PI)**. (9/30/2018-9/29/2023). **Total FY20 \$424,945** (Direct: \$348,929; Indirect: \$76,016)

DHHS, Substance Abuse and Mental Health Services Administration: Peer Movement Project (PMP). **Kinzeler, N. (PI)**. (9/30/2016-9/30/2021). **Total FY20 \$234,598** (Direct: \$189,903; Indirect: \$44,695).

DHHS, Substance Abuse and Mental Health Services Administration: Wright MAT. Hershberger, P. & **Crawford, T. N. (Co-Is: \$9,213)**. (9/30/2019-9/29/2022). Total FY20 \$149,993 (Direct: \$138,882; Indirect: \$11,111)

Dayton Police Department (DOD): Mental Health Awareness Training Grant. **Kinzeler, N. (PI)**. (10/28/2019-10/01/2021). **Total FY20 \$24,975** (Direct: \$23,125; Indirect: \$1,850)

Montgomery County ADAMH Services Board: Project Save Evaluation. **Kinzeler, N. & Paton, S. (Co-Is)**. (10/19/2019-9/29/2020). **Total FY20 \$35,000** (Direct: \$25,547; Indirect: \$9,453)

Montgomery County ADAMH Services Board: The Warriors Supporting Wellness (WSW) Project. **Kinzeler, N. (PI)**. (10/1/2019-9/29/2021). **Total FY20 \$25,000** (Direct: \$23,148; Indirect: \$1,852)

Montgomery County Juvenile Court: Evaluation Services for Montgomery County Juvenile Court. **Kinzeler, N. (PI)**. (7/1/2019-6/30/2020). **Total FY20 \$28,350** (Direct: \$22,500; Indirect: \$5,850)

Mt. Olive Baptist Church: 2918-2021 SAMHSA-funded MHAT Evaluation. **Kinzeler, N. (PI)**. (11/30/2018-11/29/2021). **Total FY20 \$37,500** (Direct: \$34,722; Indirect: \$2,778)

Ohio Department of Higher Education, Third Frontier: Promoting Engagement for Safe Tapering of Opioids (PRESTO). Hershberger, P., Bricker, D., & **Crawford, T. N. (\$7,779)** (Co-Is). (2019–2021). Total FY20 \$181,847.

Ohio Department of Mental Health and Addiction Services: GPRA Training, Data Collection and Reporting for the Ohio State Opioid Response (SOR) Project. **Kinzeler, N. (PI)**. (9/30/2019-9/29/2020). **Total FY20 \$738,521** (Direct: \$586,128; Indirect: \$152,393)

Ohio Department of Mental Health and Addiction Services: GPRA Training, Data Collection, and Reporting for the Ohio Medication Assisted Treatment - Prescription Drug and Opioid Addiction (Ohio MAT PDOA) Project. **Kinzeler, N. (PI)**. (9/30/2019-9/29/2020). **Total FY20 \$153,071** (Direct: \$121,485; Indirect: \$31,586)

Ohio State University, Centers of Medicare and Medicaid Services: An Interactive Game for Cultural Proficiency Training Featuring Virtual Reality Immersion (IGCPT). Hershberger, P., Yong, P., Binder, S. B., **Crawford, T. N. (\$18,352)**, Wischgoll, T., & Pavlack, T. A. (Co-Is). (2018-2020). Total FY20 \$399,465

University of Cincinnati: Optimizing HEALing in Ohio Communities (OHIO). **Daniulaityte, R. (PI)** (4/17/2019-3/30/2020). **Total FY20 \$28,419** (Direct: \$18,946; Indirect: \$9,473)

### **Published Papers**

Ahmad, O., **Crawford, T. N.**, & Myint, T. (2020). Comparing the outcomes of ceftriaxone plus vancomycin or daptomycin combination therapy versus monotherapy in adults with complicated and prolonged methicillin-resistant staphylococcus aureus bacteremia initially treated with supplemental ceftaroline. *Infectious Disease Therapy*, 9(1), 77-87.

**Carlson, R. G.**, Daniulaityte, R., **Silverstein, S. M.**, **Nahhas, R. W.**, & Martins, S. (2020) Unintentional drug overdose: Is more frequent use of non-prescribed buprenorphine associated with lower risk of overdose? *International Journal of Drug Policy*, 79. doi:10.1016/j.drugpo.2020.102722

**Crawford, T. N.**, & Thornton, A. (2019). Examining multimorbidity as a moderating effect on the relationship between substance use and viral suppression among people living with HIV. *Open Forum Infectious Diseases*, 6(S2), S476-S476.

**Daniulaityte, R.**, **Nahhas, R. W.**, **Silverstein, S. M.**, Martins, S., Zaragoza, A., Moeller, A., & **Carlson, R. G.** (2019). Patterns of non-prescribed buprenorphine and other opioid use among individuals with opioid use disorder: A latent class analysis. *Drug and Alcohol Dependence*, 204. doi:10.1016/j.drugaldep.2019.107574

**Daniulaityte, R.**, **Silverstein, S. M.**, **Crawford, T. N.**, Martins, S., Zule, W. & **Carlson, R. G.** (2020). Methamphetamine use and its correlates among individuals with opioid use disorder in a Midwestern city. *Substance Use and Misuse* [Online]. doi:10.1080/10826084.2020.1765805

Harris, L. M., **Crawford, T. N.**, Kerr, J., Thomas, T., & Schmidt, V. (2020). African American older adults living with HIV: Exploring stress, stigma, and engagement in HIV care. *Journal of Health Care for the Poor and Underserved*. PMID: 32037331 doi:10.1353/hpu.2020.0022

Heinle, B., **Crawford, T. N.**, Paton, S. J., & Khalil, N. (2019). Association of perfluoroalkyl substance with lung function in the US population. *Ohio Journal of Public Health, 2*(2), 30-36. ISSN: 2578-6180

Leary, D. B., Takazawa, M., Kannan, K., & **Khalil, N.** (2020). Perfluoroalkyl substances and metabolic syndrome in firefighters: a pilot study. *Journal of Occupational and Environmental Medicine, 62*(1), 52-57.

Leeds, F. S., Atwa, K. M., Cook, A. M., Conway, K. A., & **Crawford, T. N.** (2020). Teaching heuristics and mnemonics to improve generation of differential diagnoses. *Medical Education Online, 25*(1), 1742967. doi:10.1080/10872981.2020.1742967

Leeds, F. S., Levinthal, R. K., Alexander, M. T., & **Crawford, T. N.** (2020). The distribution of Ohio's certificates to recommend: Who will "prescribe" medical marijuana? *Journal of Cannabis Research, 2*(1), 1-9.

**Silverstein, S. M.**, Daniulaityte, R., Miller, S., Martins, S. S., & **Carlson, R. G.** (2020). On my own terms: Self-treatment of opioid use disorder with non-prescribed buprenorphine. *Drug and Alcohol Dependence* 107958.

**Silverstein, S. M.**, Daniulaityte, R., Martins, S., Miller, S., & **Carlson, R. G.** (2019). Everything is not right anymore: Buprenorphine experiences in an era of illicit fentanyl *International Journal of Drug Policy, 74*, 76-83.

Snyder, K., Hill, M., Lee, M., **Crawford, T. N.**, & **Orlowski, M.** (2020). The relationships between physical health and chronic disease, stress, and resource strain in Head Start employees. *Workplace Health and Safety, 68*(4), 190-201.

Wade, C. A., **Crawford, T. N.**, Leedy, N., & Thornton, A. C. (2020). Impact of the Affordable Care Act on referral to care for people living with HIV in Appalachia. *Journal of Appalachian Health, 2*(2), 51.

Walker, D. M., **McAlearney, J. S.**, Sharma, L., & Kim, Y. H. (2019). Examining the financial and quality performance effects of group purchasing organizations. *Health Care Management Review*. doi:10.1097/HMR.0000000000000267

### **Published Books, Chapters, Reviews**

**Gebhart, M. E.** (2019). Health Equity in the Aftermath of a Natural Disaster. In A. J. Santella (Ed.), *Master of Public Health Competencies: A Case Study Approach, 1<sup>st</sup> Ed.*, Chapter 15. Burlington, MA: Jones & Bartlett Learning

Núñez, C., Martín, M., **Silverstein, S.M.**, & Rodríguez, R. (2019). Suicidios en los Tiempos de Coca: Género, violencia y cambios sociales en comunidades ticuna de la Amazonía peruana. In W. Hernández (Ed.), *Violencias Contra las Mujeres*, Pp. 299-326. Lima: GRADE.

### **Conference Abstracts**

**Carlson, R. G.**, **Daniulaityte, R.**, **Silverstein, S. M.**, Martins, S. & **Nahhas, R. W.** (June, 2019). Unintentional drug overdose: Is more frequent use of non-prescribed buprenorphine associated with lower risk of overdose? Presented at the College on Problems of Drug Dependence Meetings. San Antonio, TX.

**Daniulaityte, R.**, **Nahhas, R. W.**, **Silverstein, S. M.**, Silvia, M., & **Carlson, R. G.** (June, 2019). Patterns of Non-Prescribed Buprenorphine and Other Opioid Use among Individuals with Opioid Use Disorder: A Latent Class Analysis. Presented at the College on Problems of Drug Dependence Meetings. San Antonio, TX.



**Ford, J. A.**, Kissell, K. M., Gaddis, R., Atkinson, T., & **Kinzler, N. R.** (March, 2019). Successful Treatment Completion Improves Behavioral Health Outcomes for a Reentry Population. Presented at the annual meeting of the American Academy of Health Behavior (AAHB). Greenville, SC.

**Paton, S. J.**, Stiver, W., Albers, P., & Ellison, S. A. (September, 2019). Police, public health, and home visit referrals: Infant Mortality Response Initiative data. Presented at the CityMatCH Annual Meeting. Providence, RI.

**Silverstein, S. M.** & Mendoza, M. (May, 2020). Narcoaesthetics. Panel organized for Society for Cultural Anthropology/Society for Visual Anthropology Biennial (Virtual) Conference.

**Silverstein, S. M.** (May, 2020). Narcopalimpsests. Paper presented at the Society for Cultural Anthropology/Society for Visual Anthropology Biennial (Virtual) Conference.

**Wilson, J. F.**, Embree, J. A., Guthmann, D., Kapp, V., & Taylor, K. (June, 2019). An Online Suite of assessments related to Career, Substance Abuse and Mental Health Assessments in American Sign Language. Presented at the ADARA/AMPHL Conference. Baltimore, MD.

**Wilson, J. F.**, Embree, J. A., Guthmann, D., Kapp, V., & Taylor, K. (June, 2019). Collaboration in the provision of vocational evaluation services for deaf persons. Presented at the American Deafness and Rehabilitation Association Annual Conference. Baltimore, MD.

**Significant Presentations** (e.g. to academic societies, medical schools and national professional societies)

Embree, J. A., **Wilson, J. F.**, & Taylor, K. (November, 2019). Addressing Interviewer and Observer Biases with Latent Semantic Analysis in Back Translation of the Suicide Behaviors Questionnaire-Revised in American Sign Language. Presented at the APHA Annual Meeting and Exposition. Philadelphia, PA.

Neeley S. M., Jenkins Z., Ellison S. A., **Paton S. J.**, Hall S., & Lachecki C. (March, 2020). Outbreak simulation: A cross-institutional IPE experience. Presented at the Association for Teaching Prevention & Research (APTR) Annual Meeting. San Antonio, TX.

**Paton, S. J.**, Balster, E., Dockery, J., Murray, C., & Ellison, S. A. (November, 2019). Collaborative development of a regional Community Health Assessment (CHA)/Community Health Needs Assessment (CHNA) through linkages of local and academic public health and hospitals in Southwest Ohio. Presented at the American Public Health Association (APHA) Annual Meeting. Philadelphia, PA.

**Silverstein, S. M.**, **Danuilaityte, R.**, & **Carlson, R. G.** (June, 2019). Who Avoids Formal Drug Treatment? Characterizing a Group of Opioid-Dependent Individuals. Presented at the College on Problems of Drug Dependence Meetings. San Antonio, Texas.

**Silverstein, S. M.** & **Crawford, T.** (May, 2020). Addressing COVID-19 Among Vulnerable Populations. Shelter in Place Webinar Series, Wright State University.

**Wilson, J. F.**, Embree, J. A., Guthmann, D., Kapp, V., & Taylor, K. (June, 2020). Identifying Barrier/Resources when working with Deaf and Hard of Hearing People with Substance Use Disorders. Webinar Series Presentation at the National Association for Alcoholism and Drug Abuse Counselors (NAADAC).

**Wilson, J. F.**, Embree, J. A., Guthmann, D., Kapp, V., & Taylor, K. (January, 2020). An Online Suite of assessments related to Career, Substance Abuse and Mental Health Assessments in American Sign Language. Presented at the Bureau of Rehabilitation Services, Statewide DHOH Committee. Hartford, CT.

**Wilson, J. F.**, Embree, J. A., Guthmann, D., Kapp, V., & Taylor, K. (January, 2020). Identifying Mental Health and Substance Abuse for Deaf and Hard of Hearing Adults and Youth. Presented at the Texas Mental Health Initiative for Deaf and Hard of Hearing Individuals, Texas School for the Deaf. Austin, TX.

**Wilson, J. F.**, Embree, J. A., Guthmann, D., Kapp, V., & Taylor, K. (October, 2019). Identifying Substance Abuse Needs in the Deaf and Hard of Hearing Community. Presented at the Services for Persons who are Deaf, Hard of Hearing, Late Deafened or DeafBlind. Roanoke, VA.

**Wilson, J. F.**, Embree, J. A., Guthmann, D., Kapp, V., & Taylor, K. (October, 2019). An Online Suite of assessments related to Career, Substance Abuse and Mental Health Assessments in American Sign Language. Presented at the Southeast Regional Institute for the Deaf. Huntsville, AL.

**Wilson, J. F.**, Embree, J. A., Guthmann, D., Kapp, V., & Taylor, K. (October, 2019). ASL-STAR: An Online Suite of Mental Health, Substance Abuse, and Career Related Assessments in American Sign Language. Presented at the North Carolina Rehabilitation Association. Cherokee, NC.

**Wilson, J. F.**, Embree, J. A., Guthmann, D., Kapp, V., & Taylor, K. (October, 2019). Occupational Information Network (O\*Net) Interest Profiler in American Sign Language. Presented at the North Carolina Rehabilitation Association. Cherokee, NC.

**Wilson, J. F.**, Embree, J. A., Guthmann, D., Kapp, V., & Taylor, K. (October, 2019). ASL-STAR: An Online Suite of Mental Health, Substance Abuse, and Career Related Assessments in American Sign Language. Presented at the 18th National Forum on Issues in Vocational Assessment. Richmond, VA.

**Wilson, J. F.**, Embree, J. A., Guthmann, D., Kapp, V., & Taylor, K. (June, 2019). Identifying Substance Abuse needs in the Deaf and Hard of Hearing Community. Presented at the Lamar University. Houston, TX.

**Wilson, J. F.**, Embree, J. A., Guthmann, D., Kapp, V., & Taylor, K. (May, 2019). Identifying Substance Abuse needs in the Deaf and Hard of Hearing Community. Presented at the RHA Behavioral Health Program for the Deaf and Hard of Hearing in the State of North Carolina. Raleigh, NC.

**Wilson, J. F.**, Embree, J. A., Guthmann, D., Kapp, V., & Taylor, K. (May, 2019). Identifying Substance Abuse needs in the Deaf and Hard of Hearing Community. Presented at the Louisiana Commission for the Deaf, Bienville Building. Baton Rouge, LA.

#### **Consultantships (sponsor-activity)**

S. Paton – Consulting epidemiologist for Madison, Champaign, and Clarke counties.

#### **Other Recognition** (e.g. editorships, reviewer, awards)

##### **Editorial Review Boards**

S. Paton – Ohio Journal of Public Health

T. N. Crawford – Journal of the American Board of Family Medicine

##### **Journal Manuscript Reviews**

T. N. Crawford – Reviewed manuscripts for Clinical Gerontologist, Health Education and Behavior, Journal of AIDS and Behavior, Journal of the American Board of Family Medicine, Journal of Healthcare for the Poor and Underserved, Journal of Immigrant and Minority Health, and Substance Use and Misuse.

J. McAlearney – Reviewed manuscripts for Journal of Health Care for the Poor and Underserved and Health Affairs.

M. Orłowski – Reviewed manuscripts for Preventive Medicine and American Journal of Preventive Medicine.

S. Paton – Reviewed manuscripts for Ohio Journal of Public Health

S. M. Silverstein – Reviewed manuscripts for Journal of Drug Issues and Journal of Latin American and Caribbean Anthropology

M. T. White – Reviewed manuscripts for Journal of Genetic Counseling, and Annals of Internal Medicine

### **Conference Abstract Reviews**

A. Hinson-Enslin – PHEHP Student Awards Contest, American Public Health Association

M. White – Consortium of Universities for Global Health (CUGH) - Ethics

## 6 Service

### **M.P.H. Graduates - Student Integrative Learning Experience (Capstone) Projects**

#### **Summer 2019**

Katelyn Alcorn: The Association of Perfluoroalkyl Substances Exposure and Renal Function in the NHANES 2015 – 2016 Population (Chair, Naila Khalil)

Michael Crowder: Perfluoroalkyl substances exposure and cancer in NHANES 2011-2016 U.S. population (Chair, Naila Khalil)

Sarah DeWitt: An Examination of Resilience and Mental Flourishing as Predictors of Well-being among Undergraduate College Students (Chair, Timothy Crawford; Reader, Marietta Orłowski)

Dene Berman: Cross-Cultural Adaptation of an Instrument to Address the Mental Health Needs in Nepal (Chair, Cristina Redko)

#### **Fall 2019**

#### **Research Capstone Project**

Rachel Bright: The Helping Hand after Reentry: A Review of the Montgomery County Offender Reentry Program (MCORP) (Chair, Nicole Kinzeler; Reader, Jo Ann Ford)

Moses Kamanzi: An Example of Health Systems Best Practices: A Systemic Review of Improving Health Systems in Low-Income-Countries (Chair, Cristina Redko; Reader, Nicole Kinzeler)

#### **Course Capstone Project – Global Health**

Benjamin Goulart: Achievable Toilet Sanitation

Jeffrey Howard: International Airport Screening: Communicable Diseases

#### **Spring 2020**

#### **Research Capstone Projects**

Lane Breyer: An Analysis of the Lumbar Punctures Performed in the Emergency Department of Dayton Children’s Hospital (Chair, Timothy Crawford; Reader, Sara Paton)

Sarah Fryman: Driving Under the Influence of Technology: Applying Smartphone Addiction and the Theory of Planned Behavior to Examine Smartphone Usage While Driving (Reader, Nicole Kinzeler)

Jacqueline Jacobs: Differences between Older and Younger Adults with Diagnosed Cardiovascular Disease: An Analysis of Fels Study Data (Chair, John McAlearney; Reader, Nicole Kinzeler)

**Independent Capstone Projects**

Laila Al-Khasawneh: Evaluation of Services Provided to Refugees and Immigrants in Dayton, Ohio (Chair, Sara Paton)

Benjamin Clouse: CT Scans Effective Radiation Dose Reduction in Pediatric Trauma Patients (Chair, Sara Paton)

Nicole Turkson: Improving Access to Healthcare in the Dayton Refugee Community: The Process of Developing the Global Health Clinic at Five Rivers Family Health Center (Chair, Cristina Redko)

Melissa Vining: Trends in Substance Abuse by Race and Age from 2014-2018 (Chair, Timothy Crawford; Reader, Amanda Hinson-Enslin)

**Course Capstone Projects – Applied Epidemiology: Chronic Diseases**

Jason Burchett: Sleep duration and cancer in the 2018 BRFSS, a cross-sectional study (Chair, Timothy Crawford)

Cayla Etter: Examining preventive healthcare utilization and cancer in the LGBTQ community (Chair, Timothy Crawford)

Sierra Flowers: Are there disparities in receipt of illicit drug treatment among injection drug users diagnosed with Hepatitis B or C? (Chair, Timothy Crawford)

Fabrice Juin: Investigating identity-based disparities in the co-occurrence of mental illness & substance use issues (Chair, Timothy Crawford)

Ginger Magoto: Examining risk factors for rheumatoid arthritis: Findings from NHANES 2005 – 2006 (Chair, Timothy Crawford)

Matthew Negrey: Frequency of fish consumption and history of myocardial infarction (Chair, Timothy Crawford)

Michael Owens: Age of initiation of illicit drug use & association of cancer occurrence among drug users in the United States (Chair, Timothy Crawford)

Jacob Roemer: The relationship between mind-body interventions and multiple chronic conditions (Chair, Timothy Crawford)

**Course Capstone Projects – Public Health Project Management**

Hope Hurd: Workplace Wellness Grant Proposal (Chair, Amanda Hinson-Enslin)

Alexa Wene: Community Food Projects Competitive Grant: Food for Families Project (Chair, Amanda Hinson-Enslin)

**Committee Membership****Department of Population & Public Health Sciences**

Curriculum Committee: Crawford, Jarnot, Gladish, Khalil, Kinzeler, McAlearney (Chair), Orlowski, Paton, Redko

Faculty Search Committee /Health Promotion & Education: Kinzeler, McAlearney, Orlowski (Chair), Redko

Faculty Search Committee /Biostatistician: Carlson, Crawford (Chair), Daniulaityte, Nahhas, Paton

Instructional Faculty Committee: Crawford, Ellison, Gebhart, Gladish, Jarnot, Khalil, Kinzeler, McAlearney, Orlowski (Chair), Paton, Redko

M.P.H. Admissions Committee: Khalil, McAlearney, Orlowski, Paton (Chair), Redko

M.P.H. Awards & Recognition Committee: McAlearney, Orłowski (Chair), Paton, Redko  
 M.P.H. Evaluation Committee: Crawford, Khalil, Kinzeler, McAlearney, Orłowski, Paton, Redko  
 M.P.H. Scholarship Committee: McAlearney (Chair), Orłowski, Paton  
 Promotions & Continuances Committee: Carlson (Chair), Orłowski, Paton, White, Wilson  
 Public Health 3.0 Curriculum Restructuring Committee: Hinson-Enslin, Nahhas, Paton, Redko  
 Public Health 3.0 Re-branding & Marketing Committee: Orłowski, Edwards  
 Public Health 3.0 Student Engagement Committee: Crawford, Edwards, Kinzeler, McAlearney  
 Staff Search Committee /Public Health Workforce Development & Community Engagement Director:  
 Hinson-Enslin, Orłowski (Chair), Paton

### **Boonshoft School of Medicine School of Medicine**

By-laws Committee: White  
 Continuing Medical Education Committee: Paton  
 Delta Omega Gamma Alpha Chapter: Orłowski (Chapter President), Paton (Chapter Vice-President)  
 Executive Committee: Orłowski  
 Gold Foundation Humanism Honor Society Boonshoft SOM Chapter: White (Chapter Coordinator)  
 OB/GYN Clerkship Steering Committee: White  
 Research Committee: Carlson, Khalil  
 Scholarly Projects - Arts and Medicine: White (Chair)  
 Student Promotion Committee: Gebhart  
 Upstream Medicine Steering Committee: McAlearney

### **Wright State University**

Academic Reorganization Committee: Orłowski  
 Faculty Senate and Faculty Senate Executive Committee: Orłowski  
 Graduate Student Affairs Committee: Crawford  
 Information Technology Committee: Redko  
 Library Faculty Advisory Board: Hinson-Enslin  
 Undergraduate Curriculum Committee: McAlearney  
 Women in Science Giving Circle, Grant Reviewer: Khalil

### **Hospital or Affiliated Institution**

Dayton Children's Community Advisory Board for Center for Community Health and Advocacy: Orłowski  
 Dayton Children's IRB Committee: White  
 Hospice of Dayton Ethics Committee: White  
 Kettering Medical Center Ethics Committee: White  
 Premier Health Atrium Medical Center, Medical Executive Committee: Gebhart  
 Premier Health Board of Trustees, Community Benefit Subcommittee: Orłowski  
 Public Health – Dayton & Montgomery County, Board of Health: Orłowski

### **State/Local**

ADAMHS, Project Save Advisory Board: Kinzeler, Paton (Evaluator)  
 Attorney General's Opioid Task Force: Carlson, Daniulaityte

Community Overdose Action Team (PHDMC): Carlson, Daniulaityte  
 CUGH (Consortium of Universities for Global Health), Educational Products Subcomm.: Redko (Co- Chair)  
 Epilepsy Foundation of Ohio Board of Trustees: Orłowski  
 4H of Miami County: Paton  
 Greene Country Prevention Coalition: Ford  
 GROW Ohio Pharmaceuticals, Substance Abuse Researcher Advisory Board: Carlson  
 Harm Reduction Ohio: Silverstein  
 Midwest Sexual and Gender Minority (SGM) Health Research Consortium: Crawford  
 MonDay Community Correctional Institution Provider Board: Ford  
 Montgomery County Collective Opioid Action Team, Steering Committee and Data Committee: Paton  
 Montgomery County Community Health Improvement Plan, Steering Committee: Paton  
 Montgomery County HIV/AIDS Prevention Committee: Ford  
 Mount Olive Baptist Church Motivate, Educate, Link and Train (MELT) project, Advisory Board: Kinzeler  
 Ohio Alliance for Innovation in Public Health, Steering Committee: Paton  
 Ohio Collaborative to Prevent Infant Mortality: Paton  
 Ohio Department of Health, Certified HIV and Hepatitis C Tester: Kinzeler  
 Ohio Department of Mental Health and Addiction Services: Carlson  
 Ohio Department of Public Safety, EMS Division: Gebhart  
 Ohio Public Health Association, Ohio Public Health Resiliency Coalition (OPHCRC) for Climate Change: Khalil  
 Pair of Shoes, Board: Ford  
 Public Health - Dayton & Montgomery County (PHDMC), Research Review Panel: Paton  
 PHDMC LGBTQ Health Alliance - Mental Health, Addiction, and Violence Taskforce: Crawford (Co-chair)  
 Regional Physicians Advisory Board: Gebhart  
 University of Dayton, Poster Judge for MED 480 Capstone (via Zoom): Nahhas  
 United Way of Montgomery County: Paton

**National/international**

American Public Health Association, Epidemiology Section: Nahhas, Paton  
 ASPPH (Association of Schools and Programs of Public Health):

- Academic Affairs: Orłowski
- Diversity: Crawford
- Practice Section and Primary Representative: Paton
- Scholarship of Teaching and Learning Task Force (SoTL): Khalil

CityMatCH, Institute for Equity in Birth Outcomes: Paton  
 National Commission for Health Education Credentialing, Inc.: Orłowski  
 NIDA/NIH Grant Reviewer: Carlson, Daniulaityte  
 Society for Epidemiologic Research, Diversity and Inclusion and Membership Committees: Crawford  
 Society for Visual Anthropology, Board: Silverstein  
 System’s Scientific Advisory Group: Carlson

## 7 Honors and Awards

### Faculty Honors/ Awards

- T. N. Crawford - Participant Scholar, National Research Mentoring Network (NRMN) Strategic Empowerment Tailored for Health Equity Investigators (SETH) Grant Coaching Program, Morehouse University, GA
- N. Khalil – promoted to Professor

### Graduate Student Honors/Awards

- Delta Omega Gamma Alpha Chapter Inductees
  - Students: Jason Burchett ('20) & Sarah Fryman ('20)
  - Alumni: Megan Smith ('18)
- John D. and Gretchen H. Bullock Endowed Public Health/Medicine Award – Megan Smith
- Graduate Student Excellence Award, M.P.H. Program – Sarah Fryman
- M.P.H. Student Excellence Awards
  - Epidemiology: Sierra Flowers
  - Health Promotion & Education: Hope Hurd
  - Capstone: Matthew Negrey & Nicole Turkson
  - Spirit: Jacob Roemer

### Other

SARDI staff member Ashley Browning was named in the [Dayton Business Journal 2020 Forty under 40 list](#): She was also named [Daytonian of the Week by Dayton.com](#) as a result of her work after the local tornados.

## 8 Hosted Events

Council on Education for Public Health (CEPH). Accreditation site visit for the Master of Public Health program. October 28-29, 2019.

M.P.H. – Virtual Course Capstone Presentations. These events highlighted the accomplishments of WSU M.P.H. students as they presented their final poster and/or project in a virtual session. April 21, 2020 (Applied Epidemiology: Chronic Diseases) and April 28, 2020 (Public Health Project Management)

M.P.H. – Virtual Capstone Poster Session. This event highlighted the accomplishments of WSU M.P.H. students as they presented their final project in a virtual poster session. May 1, 2020.

M.P.H. – Virtual Open House. This event highlighted the WSU M.P.H. program to anyone exploring graduate degree options, at any stage in the application process. WSU M.P.H. alumni were invited to speak on public health leadership and epidemiology. June 9 and 23, 2020.

DPPHS Professional Development Lunch and Learn. Faculty Amanda Hinson-Enslin presented to department faculty – *Converting the Face-to-face Course to Hybrid*. Spring 2020