



Department of Family Medicine

Annual Report:

July 1, 2020 – June 30, 2021

S. Bruce Binder, MD, PhD
Associate Professor and Chair

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Statement from the Chair/Associate Dean

The academic year 2020-2021 was a challenging one for all aspects of departmental activities, largely due to the constant presence of the COVID pandemic, and the need to change course multiple times in response. In general, all converted to virtual visits and remote learning quite well at the end of AY 2019/2020, and retained that for a good part of the current year. The spring found us slowly emerging from the virtual world to a point that most of our patient visits in both the residency and clinical enterprise were once again face to face, and both UME and GME teaching were an effective hybrid of virtual with face to face. We had one faculty member achieve promotion from assistant to associate professor and another develop a dual appointment with the Department of Population and Public Health after earning her MPH. Three faculty members were recognized by the school for awards (Skip Leeds for Innovation in Teaching, Paul Hershberger for Mentorship, and Kate Conway for Medical Education), and Dr. Conway was nominated for a Harvard-Macy fellowship.

Additional highlights for the UME division were development of a telemedicine elective for M3 and M4 students; development of a Point of Care Ultrasound (POCUS) curriculum for Foundations students, the clerkship, and a 4th year elective; administration of and scholarly study of a full Differential Diagnosis curricular suite in M2 and M3; initial work in development of a Preventive Care elective for M4s; and successful onboarding of our first 3+3 program candidate (for med school and residency in 6 years total). In the midst of this innovation, our faculty remained highly engaged in the BSOM curriculum over all 4 years, providing a high percentage of clinical presence in Foundations, as well as BSOM committee work. Finally, this year 20 students opted for family medicine residencies and were mentored well in that pursuit by faculty.

International travel through the Global Health Scholars Program obviously was greatly curtailed by the pandemic, but leadership used the year to update curricula and most importantly made major strides in developing their Local is Global theme, with increased opportunities and learning regarding refugee care in our city.

In the GME world, there has been continued development of improved procedural skills training for residents, with continued cadaver based procedure training at MVH and successful institution of procedure clinics in the resident continuity office. We have completed the first of year the HRSA Rural Residency Planning and Development grant, one of 38 such programs in the country and the only one in Ohio, with intent to start a rural program in Darke County. 12 residents have graduated during this academic year, and all who have taken their ABFM Board Certification exam have passed (2 entered the USAF and have not yet taken their exam). Finally, as with all other aspects of the department, telemedicine and virtual training were instituted rapidly and successfully, and in addition we successfully navigated the first year of virtual resident recruitment, interviewing 50% more students than at any point in the history of the program. In the midst of all the above, the department achieved ACGME continuing residency accreditation.

The research division has overseen 6 awarded grants totaling \$1,270,489, with 3 more proposals still pending. This has allowed for the hiring of three new division members supported by the grants. We collaborate with multiple other departments both within the BSOM and outside it. Seventeen manuscripts with DFM faculty authors has been published or accepted for publication this AY, with BSOM student involvement on nearly all.

The clinical enterprise converted rapidly to telemedicine, and maintained about 80% of our precovid volume and 70% of our precovid billing (about a third of the visits for the year were virtual).

2 Programs/Divisions

| Name of Division or Program | Director | Dates |
|--|---------------------------------|-----------------|
| [Provide a description here of programs/divisions within the department including directors and participating faculty] | | |
| Predocctoral Programs and Education | Katharine Conway, MD, MPH | 3/2015-present |
| Wright State University Family Medicine Residency | Pete Reynolds, MD, FAAFP, CHCQM | 4/2017-present |
| Research | Paul Hershberger, PhD | 5/2018-present |
| Behavioral Health | Paul Hershberger, PhD | 4/2017-present |
| Clinical Operations – Wright State Physicians Family Health Center | S. Bruce Binder, MD, PhD | 10/2017-present |

3 Fully Affiliated Faculty (may be the same as #2 above for some depts)

| Name and Academic Position | Clinical Interests | Research Interests |
|--|--|--|
| S. Bruce Binder, MD, PhD Associate Professor, Family Medicine Chair, Department of Family Medicine | Primary and preventive care, College Student Health, | Medical school curriculum, standardized patients, Opioid dependence |
| Katharine M. Conway, MD, MPH Assistant Professor, Family Medicine Director of Medical Education MS3 Clerkship Director Director Global Health Scholars Program | Primary and preventive care, global health and underserved populations | Global health and refugee healthcare, medical school curriculum |
| Timothy Crawford, PhD Assistant Professor, Family Medicine Assistant Professor, Population and Public HealthSciences | | HIV/AIDS epidemiology, HIV and aging, sexual minority health and wellbeing, longitudinal data analysis, mediation analysis |
| John F. Donnelly, MD Professor, Family Medicine Associate Professor, Community health | Primary and preventive care , Coronary heart disease, Diabetes, patient centered care, | Predocctoral education and evaluation, medical decision making, professionalism, scholarship of synthesis |

| Name and Academic Position | Clinical Interests | Research Interests |
|---|---|---|
| Corey Ellis, MD Assistant Professor, Family Medicine | Sports medicine, Collegiate team sports, musculoskeletal | Sports Medicine |
| Giselle Ellis, PharmD, BCACP Assistant Professor, Family Medicine Assistant Professor, Office of Medical Education | Transitions of care, Diabetes, Heart Failure | Transitions of care, Interprofessional Education, Diabetes, Smoking Cessation, Heart Failure |
| Stacy Flowers, PsyD Associate Professor, Family medicine Director of Behavioral Health for residency program | | |
| Denise A. Griffith, MD Assistant professor, Family Medicine Inpatient teaching coordinator, Associate Residency Director | Primary and preventive care, inpatient family medicine, primary health care for underserved populations | Graduate medical education, Handoffs and transitions of care, Benefits of inpatient medicine to family medicine training |
| Paul J. Hershberger, PhD Professor, Family Medicine Director of Behavioral Health, Director of Research | Health behavior change, self-control, cognitive biases | SBIRT, Medical education and mentoring, professionalism, motivational interviewing |
| Christine (Kate) Huang, DO Assistant professor, Family Medicine | Women's health and breastfeeding, osteopathic manipulation, office based procedures, LGBTQ+ healthcare, Practice management/Improvement and quality initiatives | Resident wellbeing, Personal finance vis a vis resident wellbeing |
| Lisa C. Kellar, MD, MSCE Associate Professor, Family Medicine Associate Professor, OB/GYN | Primary and preventive care, family medicine obstetrics, adolescent/ pediatric medicine, inpatient medicine | AMOR-IPAT (active management of risk in pregnancy at term, antibiotic utilization and overutilization |
| Jennifer S. Lee, DO, MPH Assistant Professor, Family Medicine | Global health, Point of Care Ultrasound (POCUS), Osteopathic manipulation, Refugee health, Medical education, Race and bias in medicine (and marginalized groups) | Global health (specifically Latin America/Nicaragua, chronic diseases), POCUS |
| F. Stuart Leeds, MD, MS Associate Professor, Family Medicine | Primary and preventive care, predoctoral education, graduate medical education, inpatient medicine, chronic pain management | Chronic pain management, Opioid dependence and treatment, Medical decisionmaking, Differential Diagnosis |
| Gary L. Leroy, MD Associate Professor, Family Medicine Associate Dean, Student Affairs and Admissions, BSOM | Primary and preventive care, primary care for underserved populations | Mentoring medical students, predoctoral education, |

| Name and Academic Position | Clinical Interests | Research Interests |
|--|---|--|
| Cynthia G. Olsen, MD, FAAFP, CMD Professor, Family Medicine Professor Geriatrics Retired October 2017 | Primary and preventive care, Depression and dementia in the elderly, medical care of adult MR/DD, acupuncture | Geriatrics/Long-term care, geriatric pharmacotherapy, acupuncture, faculty development |
| Albert F. Painter, Jr, PsyD Associate professor, Family medicine Associate Professor, Psychiatry Associate Dean for Faculty Affairs, BSOM Director, DAGMEC | | Residency education, faculty administration and faculty development |
| Anne M. Proulx, DO, FAAFP Associate Professor, Family Medicine Associate Program Director, Family Medicine Residency | Primary and preventive care, Women's health, Procedures in family medicine, Depression, Transgender care | LGBTQ care, Women's health, Immunizations |
| Peter L. Reynolds, MD, FAAFP, CHCQM Associate Professor, Family Medicine Program Director, Residency Program | Primary and preventive care | Medical decision making |
| Elisabeth Richter, MD, FAAFP Associate Professor, Family Medicine Medical Director, Family Medicine Residency at Five Rivers FQHC | Primary and preventive care, Obstetrics in family medicine, care of infants and children | Process improvement, Interprofessional education, physician leadership |
| Shaun Spielman, MD, CAQSM Assistant Professor, Family Medicine | Sports Medicine, Primary and preventive care | Sports medicine |
| Nicole Turkson, MD, MPH Assistant Professor, Family Medicine | Primary and preventive care, Primary care for the underserved, global health and refugee care | Global health and refugee health care |
| Teresa Zryd, MD, MSPH Associate Professor, Family Medicine Left April 2017 | Sports medicine, women's health | Clinical improvement, administration |

4 Teaching

Baccalaureate [any course for a bachelor's degree]

S. Bruce Binder, MD, PhD

- Medical Conditions in the Athlete for WSU Athletic Training Program

Paul Hershberger, PhD

- Guest presenter, Exercise Science cases, University of Dayton (3 dates)

Shaun Spielman, MD, CAQSM

- Medical Conditions in the Athlete for WSU Athletic Training Program

Graduate students, including thesis supervision [master's, doctor's post-doctoral]

Timothy Crawford, PhD

- PPH 6100: Biostatistics for Health professionals
- PPH 7150: Applied Epidemiology (Chronic Disease Epidemiology)
- PPH 7290: Applied Statistics Practicum
- MPH Culminating experiences for 3 students

Paul Hershberger, PhD

- Dissertation Committee, Ashutosh Shivakumar, Department of Computer Science and Engineering
- Presenter at SOPP Internship Seminar ("Positive Psychology and Health")

Undergraduate medical education [medical school]

S. Bruce Binder, MD, PhD

- FMD 8300 – Family Medicine Clerkship: clinical preceptor
- SMD 8100 – Clinical medicine 1: Lecturer, Small group facilitator (PE skills, Interviewing Skills), Preceptor for PE Skills, Consulted on OSCEs
- SMD 8200 – Introduction to Clinical Medicine 2: Facilitator for patient case discussion/clinical reasoning workshops, facilitator for multiple workshops, Consulted on OSCEs
- FMD 8499 – Academic Family Medicine: mentor for students (M4s) who are precepting M1s, mentor for students with scholarly projects
- SMD 8140 – Staying Alive Module: WrightQ (Problem Based Learning) facilitator
- Healer's Art – Co-course director, lecturer and small group facilitator

Katharine Conway, MD, MPH

- FMD 8300 – Family Medicine Clerkship: Women's Health TBL, Behavior Change TBL, Shelf Reviews, Differential Dx, QI, Preventative Module, clinical preceptor, SOAP notes, mid-term reviews
- SMD 8100 – Clinical medicine: Foundations I - Small group facilitator (PE skills, Interviewing Skills)
- SMD 8200 – Clinical Medicine: Foundations II - Facilitator for patient case discussion/clinical reasoning workshops
- SMD 8330 – Clinical Medicine Doctoring – longitudinal M3 weekly curriculum, didactic planner and teacher for several sessions.
- FMD 8401 – Family Phys. in Comm. Setting – Elective co-director; course preceptor. Students participate in daily practice of family medicine with preceptor.
- FMD 8404 – Family Phys. in Rural Community – Elective Director. Students participate in daily practice of family medicine in a rural community.
- FMD 8441 – Sub-I Family Medicine: clinical preceptor
- FMD 8471 – Intro Family Phys. Community Setting – Elective co-director. Student will participate in daily practice of family medicine, becoming more familiar with the field of family medicine.
- FMD 8499 – Acad. Med – Family Medicine – Elective co-director. Mentor for students (M4s) who are participating in teaching, grading, and curriculum development for clerkship and global health, mentor for students with scholarly projects
- Global Health Scholars Foundations Module 1 and 2: Course director and didactic teaching for M1 and M2
- Finding Meaning in Medicine – Facilitator for longitudinal sessions with M3s and M4s

- AHEC (Area Health Education Center) Course Director for MS1 summer experience
- FMD Preventative Medicine & Counseling – Elective co-director for M3 and M4 students.
- FMD Research Elective - Elective co-director for M3 and M4 students.

John Donnelly, MD

- FMD 8300 – Family Medicine Clerkship: TBL facilitator for cardiovascular topics and diabetes, MSKworkshop, Dermatology workshop
- SMD 8100 – Clinical medicine 1: Small group facilitator (PE skills, Interviewing Skills), Preceptor for PE Skills
- SMD 8200 – Introduction to Clinical Medicine 2: Facilitator for patient case discussion/clinical reasoningworkshops, facilitator for “Giving Bad news” workshop, Evaluator for OSCE , facilitator for clinical reasoning workshop
- FMD 8499 – Academic Family Medicine: mentor for students (M4s) who are precepting M1s, mentor for students with scholarly projects
- SMD 8140 – Staying Alive Module: Facilitator of EKG interpretation, Facilitator of Cardiac Auscultationworkshops
- SMD ? – Origins 1 and 2 – facilitator of TBL sessions
- Healer’s Art – Co-course director, lecturer and small group facilitator
- Finding Meaning in Medicine – Facilitator for longitudinal sessions with M3s and M4s

Corey Ellis, MD

- FMD 8300 – Family Medicine Clerkship: Sports Medicine workshop
- FMD 8402 – Sports Medicine in Primary Care
- Precepting students interested in sports medicine

Giselle Ellis, PharmD, BCACP

- Major role in Origins 2, Staying Alive, and Endocrine/Reproduction Modules in Foundations Curriculum

Stacy Flowers, Psy.D.

- SMD 8100 – Clinical Medicine 1: Patient Interview Small Group Facilitator, OSCE debriefing, Providingfeedback for volunteer interviews, Motivational interviewing moderator, COPE volunteer, Smoking Cessation workshop

Denise Griffith, MD

- FMD 8300 – Family Medicine Clerkship – clinical preceptor
- FMD 806 – Family Medicine Sub Internship – instruction on inpatient service

Paul Hershberger, PhD

- FMD 8300 – Family Medicine Clerkship: Health Behavior Change module
- SMD 8100 - Director Professional Skills Dimension of Clinical Medicine module
- SMD 8200 Clinical Medicine: 2 Interviewing Presentations, Small Group Facilitator (Interviewing Skills),Providing feedback for volunteer interviews
- SMD 512 – Motivational interviewing training, curriculum development and execution
- SMD 543 – Wright Q Facilitator

Lisa Kellar, MD, MSCE

- SMD 8100 – Clinical Medicine 1: Precept 4 students on physical exam skills
- FMD 8300 – Family Medicine Clerkship: Clerkship didactic session, clinical preceptor
- FMD 8441 – Family Medicine Sub-Internship: clinical preceptor

Jennifer S. Lee, DO, MPH

- SMD 8100 – Clinical Medicine 1: Small Group Facilitator (Interviewing skills, Physical Exam skills), Physical exam individual preceptor for 4 students, Course Director for Professional Skills aspect of course beginning June 2020
- SMD 8200 – Clinical Medicine 2: Facilitator for patient case discussion/clinical reasoning workshops
- SMD – other courses – Wright Q facilitator for multiple sessions, Faculty lead for Gout TBL
- FMD 8408 - POCUS SIE – 4 week elective
- Global Health Elective
- Futures in Global Health – course director
- FMD 8300 – POCUS workshop, MSK workshop, Dermatology workshop, precepting students in office, SOAP note evaluation, Midterm reviews

F. Stuart Leeds, MD, MS

- FMD 8300 – Family Medicine Clerkship: Differential Diagnosis (as part of a 3 part “suite” developed), Office Visits in Family Medicine, Pain Management/Addiction TBL, Dermatology Workshop, MSK Workshop, SOAP note evaluation (including development of grading templates for chronic and acute visit notes), clinical preceptor
- Clinical medicine – Doctoring (CMD) – full class MS3: Pain 1 and 2, Diabetes (co teaching), MSK workshop (co teaching), DDx 1
- Addiction Medicine – Buprenorphine Waiver Training for MS3s
- Interprofessional Education Course leader – Management of Fibromyalgia
- SMD 8100 – Clinical medicine 1: Small group facilitator (PE skills, Interviewing Skills), Preceptor for PESkills
- SMD 8200 – Introduction to Clinical Medicine 2: Differential diagnosis introduction workshop, Facilitator for patient case discussion/clinical reasoning workshops, Prostate Disease TBL, Joint Injection Workshop
- SMD 8110 – Origins – Acid-Base, Hyperlipidemia
- FMD 880 – Academic Family Medicine: mentor for students with scholarly projects
- Student Initiated Elective in Advanced Pain Management, Advanced DDx
- Palliative medicine Elective – Pain Management Principles (team taught)
- Healer’s Art – small group facilitator
- Research Mentor for multiple student projects

Anne Proulx, DO, FAAFP

- SMD 8100 – Clinical Medicine 1: small group leader (physical exam skills)
- SMD 8200 – Introduction to Clinical Medicine 2: Facilitator for patient case discussion/clinical reasoning workshops
- FMD 8300 – Family Medicine Clerkship: clinical preceptor, including video review with groups of students
- FMD 8441 – Family Medicine Sub Internship: clinical preceptor, provide individual instruction and weekly feedback

Peter Reynolds, MD, FAAFP, CHCQM

- FMD 8300 – Family Medicine Clerkship: clinical preceptor, didactics
- SMD 8100 – Clinical medicine 1: Small group facilitator (PE skills, Interviewing Skills), Preceptor for PESkills
- SMD 8200 – Clinical Medicine 2: Facilitator for patient case discussion/clinical reasoning workshops
- FMD 8441 – Family Medicine Sub Internship: instruction on inpatient service
- Healers Heart – Small Group Facilitator

Elisabeth Righter, MD

- FMD 8300 – Family Medicine Clerkship – clinical preceptor
- FMD 8441 – Family Medicine Sub Internship – instruction on inpatient service

Shaun Spielman, MD, CAQSM

- SMD 8100 – Clinical Medicine 1: Small Group facilitator (PE skills)
- SMD 8200 – Clinical Medicine 2: MSK Workshops 1 (upper extremity exam) and 2 (lower extremity exam) and associated imaging, Joint Injection workshop facilitator, Facilitator for patient case discussion/clinical reasoning workshops
- Clinical Medicine Doctoring (full MS3 class) – MSK workshops
- FMD 8300 – Family Medicine Clerkship – clinical preceptor
- FMD 8441 – Family Medicine Sub Internship – instruction on inpatient service

Nicole Turkson, MD

- FMD 8300 – Family Medicine Clerkship – clinical preceptor
- FMD 8441 – Family Medicine Sub Internship – instruction on inpatient service

Graduate medical education [residents, fellows]

Katharine Conway, MD, MPH

- Inpatient service 4-5 weeks per year
- Resident lectures on Refugee Health 101 and 102

Tim Crawford, PhD

- “Introduction to Biostatistics”, guest lecture for department of surgery

Giselle Ellis, PharmD, BCACP

- Pharmacology teaching at bedside on rounds weekly
- Resident Didactics: monthly pharmacology presentations - diabetes, contraception, depression/anxiety, COPD, etc.
- Intern Orientation: OARRS, new anticoagulants, guidelines

Stacy Flowers, PsyD, BCACP

- Inpatient psychosocial rounds (biweekly)
- Director of Wellness Curriculum

- Monthly resident wellbeing groups
- Director of Tending the Flame program (resident equivalent of Healer's Art)
- Faculty research mentor for 6 residents completing research projects

Denise Griffith, MD

- Inpatient service 5-6 weeks per year
- Core lectures to inpatient team twice monthly

Paul Hershberger, PhD

- Weekly motivational interviewing/SBIRT module (part of Psychiatry/Addiction Medicine rotation)

Lisa Kellar, MD, MSCE

- Inpatient service 6 weeks per year
- Didactic presentations 1-4 times per month on various topics
- Assist and evaluate resident presentations
- Obstetrics in family medicine – individual instruction, didactics
- Faculty Director for residency research – supervises all resident research projects
- ALSO instructor

Jennifer Lee, DO, MPH

- Refugee clinic attending
- OMT resident elective

F. Stuart Leeds, MD, MS

- Inpatient service 6 weeks per year
- Ambulatory precepting of residents one day per week
- Resident lectures on Pain Management Orientation, Differential Diagnosis

Anne Proulx, DO, FAAFP

- Inpatient service 6-8 weeks per year
- Ambulatory and office procedures precepting
- Didactic presentations on various topics
- Assist and evaluate resident presentations
- Faculty Director for osteopathic manipulation medicine
- Faculty research mentor for Dr. Thaker completing research projects

Peter Reynolds, MD, FAAFP, CHCQM

- Program Director for Resident Education
- Inpatient service 6 weeks per year
- Ambulatory and office procedures precepting
- Didactic presentations (average 1/week) on various topics
- Assist and evaluate resident presentations
- Practice management curriculum
- Leadership curriculum
- BLS and ACLS instructor

Elisabeth Righter, MD

- Inpatient service 6 weeks per year

Shaun Spielman, MD, CAQSM

- Faculty director for sports medicine training including sideline medicine experiences
- Annual R3 MSK board review
- Annual splinting/casting workshop
- Joint injection workshop (cadaver lab)
- Radiology lecture series
- Inpatient service 6 weeks per year
- Ambulatory and office procedures precepting
- Didactic presentations (average >1/week) on various topics (including regular MSK modules and board review sessions)
- Assist and evaluate resident presentations
- Assist/Mentor residents, Clinical Evaluations

Nicole Turkson, MD

- Education Director for Resident Didactic series
- Inpatient service 6 weeks per year
- Ambulatory and office procedures precepting
- Didactic presentations (average >1/week) on various topics (including regular pediatrics modules and board review sessions)
- Assist and evaluate resident presentations
- Assist/Mentor residents, Clinical Evaluations
- Faculty director for global health and refugee health training experiences
- Faculty director for international medical training experiences
- Director of residency global health clinic

Continuing medical education [grand rounds, seminars]

Other

Katharine Conway, MD, MPH

- Covid Conway Communications: Since summer 2020 weekly/biweekly publication sent to BSOM student body and faculty/staff in response to student's questions and concerns. "These weekly blogs are meant to be for all students as a way to keep connected, informed, and aware. Dr. Conway also strives to share a bit of herself as a way to model the important aspect of humanism in medicine in these stressful and confusing times.

Paul Hershberger, PhD

- Faculty Advisor STEPS Initiative
- Monthly blog – e-equilibrium (also distributed to email list)

5 Scholarly Activity

Funded grants

6 Awarded: \$1,270,489 (this total includes only year 1 of the rural residency grant)
2 Completed: \$414,465
3 Pending: \$4,184,853
1 Not Awarded: \$2,510,284

Awarded in FY 2021

Accelerating Primary Care Transformation at Wright State (ACT-Wright)

Health Resources and Services Administration

PI: Binder

07/01/2016 - 06/30/2021

\$499,427 grant year 5

The goal is to accelerate the transformation of the primary care curriculum across faculty and graduate/ undergraduate programs in family medicine, internal medicine, and pediatrics, nurse practitioners and physician assistants.

An Interactive Game for Cultural Proficiency Training Featuring Virtual Reality Immersion (IGCPT)

Ohio Department of Medicaid

Co-PDs: Hershberger and Pei

07/01/2020 – 06/30/2021

\$139,205

The Life Course game is an interactive training tool designed to teach the impact of social determinants of health. Wright State University adapted the game to a digital version. This additional funding will allow passive dissemination of the simulation to primary care providers.

Real-time Assessment of Dialogue in Motivational Interviewing training (ReadMI)

Department of Health & Human Services, Agency for Healthcare Research and Quality

PI: Hershberger

08/01/2019 – 07/31/2021

\$118,134 grant year 2

The project will refine and validate a software-based training solution that analyzes practitioner responses and gives immediate feedback on how to improve MI skills with at-risk patients.

Promoting Engagement for Safe Tapering of Opioids (PRESTO)

Ohio Department of Higher Education, Ohio Third Frontier

Co-PIs: Hershberger and Bricker

11/18/2019 – 06/30/2021

\$181,847 grant year 2

This project is aimed at improving prescribing behavior of opioids in private practice and at community health centers using CDC protocol and NARxCHECK scores.

Wright MAT

SAMHSA (Substance Abuse and Mental Health Services Administration)

PI: Hershberger

09/30/2019 – 09/29/2022

\$149,980 grant year 2

The Wright MAT project objectives are to develop a DATA waiver training plan for medical students, residents, PA, and CNP students, that will become a required component of their respective curricula.

Wright State University Family Medicine Rural Residency Program

Health Resources and Services Administration

Co-PIs: Martensen and Reynolds

09/01/2020 – 08/31/2023

\$750,000 note: all money (\$750,000) for all 3 years was awarded at the beginning of year 1.

Year 1 (9/1/2020 – 8/31/2021) \$181,896

Year 2 (9/1/2021 – 8/31/2022) \$264,666

Year 3 (9/1/2022 – 8/31/2023) \$303,438

The Wright State University Family Medicine Rural Program will be a 1+2 Rural Training Track (RTT) family medicine residency program. Residents will complete their first year of residency in Dayton, Ohio with other residents in the well-established Wright State University Family Medicine Residency Program. The second and third years of the residency will be in Greenville, a small town in Darke County in rural West Central Ohio

Completed – in FY 2021

Wright MAT Train the Trainer

Ohio Mental Health and Addiction Services

PI: Hershberger (PI)

09/15/2019 – 04/30/2020

\$15,000

The goal of this grant is to establish two MAT Waiver Training course instructors at the residency program using the Providers Clinical Support System (PCSS) system. At least two MAT Waiver Trainings for physicians, resident physicians, certified nurse practitioners (CNPs), and/or physician assistants (PAs) during the grant period.

An Interactive Game for Cultural Proficiency Training Featuring Virtual Reality Immersion (IGCPT)

Ohio Department of Medicaid

Co-PDs: Hershberger and Pei

07/03/2019 – 06/30/2020

\$399,465

The Life Course game is an interactive training tool designed to teach the impact of social determinants of health. Wright State University adapted the game to a digital version. This additional funding will allow continued development of the simulations and will be used for dissemination of the simulation to primary care providers.

Pending – Submissions as of 6/30/2021

Real-time Assessment of Dialogue in Motivational Interviewing (ReadMI): Human-AI Teaming for the Management of Multiple Chronic Conditions

AHRQ

Co-PDs: Hershberger and Pei

12/01/2021 – 11/30/2026

\$1,993,230

This research aims to revolutionize MI training with a human-AI (artificial intelligence) teaming solution, Real-time Assessment of Dialogue in Motivational Interviewing (ReadMI) that uses natural language processing to provide automatic and immediate metrics for use in training and actual patient encounters.

Advancing the Implementation of MAT (AIM)

NIH/NIDA

Co-PDs: Hershberger and Merrill

12/01/2021 – 11/30/2025

\$1,065,702

This project will develop a regional training hub in the western Ohio region to address systemic and structural barriers to MAT, and develop and deliver motivational interviewing-based intervention programming for PCPs and health system administrators to modify attitudinal and cultural narratives about OUD and MAT.

Lifelike Immersion for Equity (Wright LIFE)

Ohio Department of Medicaid
Co-PDs: Hershberger and Pei
07/01/2021 – 06/30/2023
\$1,125,921

WSU will create two online virtual simulated patient experiences for Ohio Medicaid providers. Simulations will be designed to advance health equity for the Medicaid population by further developing Ohio Medicaid provider cultural humility and awareness of implicit bias, and highlighting social determinants of health. The simulations will be developed for online remote delivery and long-term sustainability.

Not Awarded

NIH/NIMHD

Co-PDs: Crawford and Harris (Univ. Louisville)

Examining the Effects of Stigma on Engagement in HIV Care Continuum among Older African Americans Living with HIV

04/01/2021 – 03/31/2026
\$2,510,284

This longitudinal sequential, explanatory mixed methods study aims to examine the effects of multiple forms of stigma on engagement in the HIV care continuum directly and indirectly through mechanisms like stress, substance use, and comorbidities among older African Americans living with HIV.

Publications

Papers in refereed journals

Kaeppler C., Holmberg P., Tam R., Porada K., Stryker S., **Conway K.**, Schubert C., The Impact of Global Health Opportunities on Residency Selection, *BMC Med Educ* 21, 384 (2021) <https://doi.org/10.1186/s12909-021-02795-5>

Hershberger, P.J., Bricker, D.A., **Conway, K.**, Torcasio, M.H. (2021). Turning “lose-lose” into “win-win”: What is good for them is good for us! *Medical Science Educator*. doi: 10.1007/s40670-021-01280-4

Hershberger, P.J., Pei, Y., Bricker, D.A., **Crawford, T.N.**, Shivakumar, A., Vasoya, M., Medaramitta, R., Rechten, M., Bositty, A., & Wilson, J.F. (2021). Advancing motivational interviewing training with artificial intelligence: ReadMI. *Advances in Medical Education and Practice*, 12 613-618. doi: 10.2147/AMEP.S312373

Hershberger, P.J., Martensen, L.S., **Crawford, T.N.**, & Bricker, D.A. (2021). Promoting motivational interviewing in primary care: More than intention. *PRiMER*, 5:7. doi: 10.22454/PRiMER.2021.287928

Hershberger, P.J., **Conway, K.**, & Chu, J.M. (2021). Exam room culture. *Journal of Patient Experience*, 8, 1-5. doi: 10.1177/2374373521996962

Gainer DM, **Crawford TN**, Fischer KB, Wright MD. (2020). The relationship between dissociative symptoms and the medications used in the treatment of opioid use disorder. *Journal of Substance Abuse Treatment*. 2021 Feb 121:108195. doi: 10.1016/j.jsat.2020.108195. Epub 2020 Nov 6. PubMed PMID: 33357605.

Welsh, Stephanie, Cindy Salazar-Collier, Benjamin Blakeslee, **Lisa Collier Kellar**, Rose Maxwell, Leah Whignam, Miryoung Lee, Steven Lindheim. *Comparison of obstetrician-gynecologists and family physicians regarding weight-related attitudes, communication, and bias*. *Obes Res Clin Pract*, 2021 Jul-Aug;15(4):351-356. Epub 2021 May 12. PMID: 33994147. doi: 10.1016/j.orcp.2021.04.010

Leeds, F. S. (2020). Fibromyalgia. *The 5-minute Clinical Consult* 2021. F. J. Domino, R. A. Baldor, J. Golding and M. B. Stephens, Lippincott Williams & Wilkins: 362-363.

Leeds FS, Sommer EM, Andrasik WJ, Atwa KM, **Crawford TN**. A Patient-Narrative Video Approach to Teaching Fibromyalgia. *Journal of Medical Education and Curricular Development*. 2020;7:2382120520947068.

Sengupta, MP, Crawford TC, **Leeds FS**. The Heart is a House: A Heuristic for Generating Cardiac Differential Diagnoses. Accepted to *J. Medical Educ. Curric. Devel*. July 2021

Prabhu M, **Leeds FS**. Use of Metamemory Techniques in Teaching Dermatology to Medical Students [Poster]. STFM Medical Education Conference 2021. FFF

(*STFM Blue Ribbon Award Winner*)

2020

Conway, K., Hershberger, P.J., Bricker, D.A., & Castle, A. (2020). Flipped exam room. *Journal of Medical Education and Curricular Development* 7, 1-5. doi: 10.1177/2382120520984176

Stryker S., **Conway K.,** Kaeppler C., Leonard A., Porada K., Tam R., Holmberg P., Schubert C., *Incoming Residents' Preparedness to Provide Culturally-Sensitive Care to Immigrants and Refugees: Informing Residency Curricula Needs*, Submitted as original research article 2020.

Leeds FS, Sommer EM, Andrasik WJ, Atwa KM, **Crawford TN.** (2020). A Patient-Narrative Video Approach to Teaching Fibromyalgia. *Journal of Medical Education and Curricular Development.* doi: 10.1177/2382120520947068. PMIE: 32821851.

Lee JS, Humphrey M, Adams M, Torres M, **Crawford TN,** Hall J. (2020). Characteristics of Patients with Hypertension at a Nicaraguan Clinic. *Journal of Health Care for the Poor and Underserved.* 31(3):1281-1290.

Kerr J, Harris L, Glass E, Golden T, **Crawford T.** (2020). "I Shall Live and Not Die": Using Monologues Based on the Experiences of Older African Americans Living With HIV to Address HIV-Related Stigma Among African Americans in Louisville, Kentucky. *Family Community Health.* 43(4):257-263. doi: 10.1097/FCH.000000000000268. PubMed PMID: 32658028

Lee JS, Humphrey M, Adams M, Torres M, **Crawford TN,** Hall J. (2020). Characteristics of Patients with Hypertension at a Nicaraguan Clinic. *Journal of Health Care for the Poor and Underserved.* 31(3):1281-1290.

Books, chapters, reviews

Deshields, T. L., Wells-Di Gregorio, S., **Flowers, S. R.,** Irwin, K. E., Nipp, R., Padgett, L., & Zebrack, B. (2021). Addressing distress management challenges: Recommendations from the consensus panel of the American Psychosocial Oncology Society and the Association of Oncology Social Work. *CA: A Cancer Journal for Clinicians.*

Wiener, L., Barnett, M., **Flowers, S.R.,** Fair, C. & Thompson, A. (2021). *Psycho-Oncology, 4th Edition. Evidence Based Psychosocial Interventions in Pediatric Psycho-oncology.* Oxford University Press

Published abstracts

Agbonhese, Rachel, Clarice Montecalvo, **Lisa Collier Kellar,** Michael D. Jacobson, Josephine Wilson, Rebecca Miller. *Cesarean section rates and indication in opioid use disorder during pregnancy.* Poster presentation, Virginia C. Wood Resident Research Forum of the Dayton Area Graduate Medical Education Community, Dayton, OH. On-line and virtual, April 29, 2021. Abstract published in the conference proceedings.

Rejcek, Micah, **Lisa Collier Kellar,** *Bacteremia due to Roseomonas mucosa in patient with dental pain.* Poster presentation, Virginia C. Wood Resident Research Forum of the Dayton Area Graduate Medical Education Community, Dayton, OH. On-line and virtual, April 29, 2021. Abstract published in the conference proceedings.

Yourison, Isaac, **Lisa Collier Kellar, Nicole Turkson, Timothy Crawford.** *Non-indicated antibiotic prescribing in the US, 1980-2015.* Poster presentation, Virginia C. Wood Resident Research Forum of the Dayton Area Graduate Medical Education Community, Dayton, OH. On-line and virtual, April 29, 2021. Abstract published in the conference proceedings.

Significant presentations [e.g., to academic societies, medical schools and national professional societies.]

Conway, K., Sakayan, M., Macken, M., Poster: (2021) The Virtual Patient Meets the Virtual Medical Student: Telemedicine in the Age of COVID – 19, FMX Virtual Conference

Conway K., Stryker S., Schubert C., Kaeppler C., Poster: (2020) Refugee Health in the U.S. Graduate Medical Curriculum – Are We Doing Enough?, North American Refugee Healthcare Conference.

Logsdon, A. R., Smith, P. F., Utterback, L., Hibbeler, P., Mitchell, B., Harris, L. M., Castle, B., Kerr, J. C., **Crawford, T. N.** (2021) Poster: Engagement and Linkage to Care Among African American Older Adults Living with HIV/AIDS: Exploring Pre- and Post-Incarceration Experiences. International Congress of Qualitative Inquiry. Champaign, IL. May 19, 2021.

Mitchell, B., Utterback, L., Logsdon, R. A., Smith, F. P., Hibbeler, P., Harris, L., Castle, B., Kerr, J., **Crawford, T.** (2021) Poster: Older African American's Living with HIV: Patient Identified Markers of Quality Care. International Congress of Qualitative Inquiry. Champaign, IL. May 19, 2021.

Elliot L., **Crawford T.**, Khalil N. Association of Oral Contraceptive Use in US Females and the Risk of Developing Arthritis by Race and Ethnicity. Ohio Public Health Association Combined Conference. Columbus, OH (online). May 2021.

Conway K., Coleman-Woodson K., Roman B., Oral presentation (2020), Testing TeleMed and Remote Flipped Classrooms, AAMC Building Better Curriculum webinar series. webinar recording

Salameh T, Hall L, **Crawford T**, Hall M. (2020, September). Perceived Barriers to Mental Health and Substance Use Treatment among Women of Childbearing Age in the United States: NSDUH 2008-2014. 9th European Conference on Mental Health (Online).

Turkson, N., virtual presentation: (2020) Improving Quality of Care in the Dayton Refugee Community: Development of the Global Health Clinic at Five Rivers Family Health Center., North American Refugee Health Conference

Local Presentations

Conway, K, (Dec 2020) Soin Family Medicine Residency didactics, "Precepting Pearls"

Turkson, N., presentation: (2021) Life Course Approach to Illness. Wright State University Masters of Public Health Program.

Other recognition [e.g. editorships, reviewer awards]

6

Summary of Service Activities

Student advising

S. Bruce Binder, MD, PhD

- Faculty advisor for the Family Medicine Interest Group
- Faculty Advisor for the Christian Medical Student group
- Informal advisor to many students in regard to specialty choice, residency applications, personal statement review, and letters of recommendation
- Letters of recommendation for students for scholarships, summer programs

Katharine Conway, MD, MPH

- Specialty advisor for all Family Medicine residency applicants
- Faculty advisor for GHI student interest group (Global Health Initiative)
- Faculty advisor for RSA student interest group (Refugee Student Alliance)
- Informal advisor to 30+ students in regard to specialty choice, residency applications, personal statement review, and letters of recommendation
- Letters of recommendation for students for scholarships, summer programs

John Donnelly, MD

- Faculty advisor for 8-10 medical students
- Informal advisor to 30+ students in regard to specialty choice, residency applications, personal statement review, and letters of recommendation

- Letters of recommendation for students for scholarships, summer programs

Denise Griffith, MD

- Advisor for 4 Family Medicine Residents

Paul Hershberger, PhD

- Mentor/Advisor for >10 scholarship in medicine students

Lisa Kellar, MD, MSCE

- Advisor for 5 Family Medicine Residents
- Informal advisor to multiple students in regard to specialty choice, residency applications, personal statement review, and letters of recommendation
- Letters of recommendation for students for scholarships, summer programs

Jennifer Lee, DO, MPH

- Faculty advisor for the Family Medicine Interest Group (FMIG) and Asian Pacific American Medical Student Association (APAMSA)
- Informal advisor to many students in regard to specialty choice, residency applications, personal statement review, and letters of recommendation
- Letters of recommendation for students for scholarships, summer programs

F. Stuart Leeds, MD, MS

- Informal advisor to multiple students in regard to specialty choice, residency applications, personal statement review, and letters of recommendation
- Letters of recommendation for students for scholarships, summer programs

Anne Proulx, DO, FAAFP

- Advisor for 5 Family Medicine Residents

Peter Reynolds, MD, FAAFP, CHCQM

- Advisor for The Ladder program (medical students and residents teaching basic medical concepts to students in the community, at the Five Rivers Family Health Center)

Elizabeth Righter, MD

- Advisor for 5 Family Medicine Residents

Shaun Spielman, MD, CAQSM

- Advisor for 5 Family Medicine Residents

Nicole Turkson, MD

- Advisor for 4 Family Medicine Residents

Committee membership/officer [indicate if committee chair]

Wright State University Boonshoft School of Medicine

S. Bruce Binder, MD, PhD

- WSUBSOM Executive Committee
- WSUBSOM Faculty Curriculum Committee
- Executive Committee, Department of Family Medicine, chair
- WSUBSOM Academy of Medicine Board of Directors, Awards Chair
- WSUBSOM Dean's Council

Katharine Conway, MD, MPH

- Executive Committee, Department of Family Medicine
- Department of Family Medicine UME steering committee, chair
- Doctoring subcommittee of Faculty Curriculum Committee
- Global Health Advisory Board – Chair
- Wright State Rural Health Initiative, BSOM/Dept of Family Medicine
- SBIRT Council of Directors
- HRSA grant committee member
- Professional ID module committee member
- Scholarship in Medicine Track Chair for Public Health/Population Health/Global Health track.
- WSUBSOM Covid Task Force
- WSUBSOM Faculty Curriculum Committee

Giselle Ellis, PharmD, BCACP

- Doctoring subcommittee of Faculty Curriculum Committee
- Team Based Learning review Committee
- Faculty Curriculum Committee Subcommittee: Clinical Integration with Basic Sciences
- WrightQ Committee
- Beginning to End module steering committee
- Balance, Control, and Repair steering committee

John Donnelly, MD

- WSUBSOM Faculty Curriculum Committee
- Faculty Promotions and Advancement Committee, chair
- Family Medicine Clerkship steering committee
- Molecular Basis of Medicine/Origins 1 steering committee
- Principles of Disease steering committee
- Origins 1 TBL development committee

Denise Griffith, MD

- Clinical Competency Committee, Family Medicine Residency, chair

Paul Hershberger, PhD

- Clinical Medicine steering committee
- Assessment and Evaluation subcommittee of the FCC
- WSUBSOM Promotion and Advancement Committee
- Executive Committee, Department of Family Medicine

Lisa Kellar, MD, MSCE

- Clinical Competency Committee, Family Medicine Residency

Jennifer Lee, DO, MPH

- Interprofessional Engagement Steering Committee
- Admissions Committee beginning
- Wright Q Curriculum Development Committee

F. Stuart Leeds, MD, MS

- Department of Family Medicine UME steering committee
- Executive Committee, Department of Family Medicine

Anne Proulx, DO, FAAFP

- WSUBSOM Student Promotions Committee
- Family Medicine Residency Clinical Evaluation Committee, chair
- Family Medicine Residency Program Evaluation Committee

Nicole Turkson, MD

- BSOM CME Committee

Wright State University

John Donnelly, MD

- Wright State University Promotions and Tenure Committee

Wright State Physicians

S. Bruce Binder, MD, PhD

- Board of Directors
- Finance Committee
- COVID-19 Task Force

Katharine Conway, MD, MPH

- COVID-19 task force (chair)

F. Stuart Leeds, MD, MS

- Board of Directors – member at large
- Laboratory compliance committee
- COVID-19 task force

Peter Reynolds, MD, FAAFP, CHCQM

- Finance committee
- Board of Directors

Hospital or affiliated institution [name]

Paul Hershberger, PhD

- Miami Valley Hospital, Psychology section

Lisa Kellar, MD, MSCE

- DAGMEC Virginia C. Wood Residency Research Forum, chair
- Credential Committee, Miami Valley Hospital

Gary Leroy, MD

- Ohio's Hospice Board of Directors
- Hospice of Dayton Board of Directors
- WestCare Ohio Board of Directors

Anne Proulx, DO, FAAFP

- Five Rivers Family Health Center PCMH Committee

Peter Reynolds, MD, FAAFP, CHCQM

- DAGMEC Graduate Medical Education Committee
- Medical Executive Committee, Miami Valley Hospital

Nicole Turkson, MD

- Greene County Medical Society Medical Education Committee

State

Timothy Crawford, PhD

- LGBTQ Health Alliance – Public Health Dayton and Montgomery County

John Donnelly, MD

- Ohio Academy of Family Physicians Awards Committee

Gary Leroy, MD

- Ohio Academy of Family Physicians (OAFP) Board of Directors

Elisabeth Righter, MD

- Ohio Academy of Family Physicians (OAFP) National Action Committee
- OAFP Nominating Committee
- OAFP Value-Based Payment Committee
- OAFP Payer and Practice Resource Team
- OAFP Joy of Medicine Workgroup

National

Katharine Conway, MD, MPH

- Society of Refugee Healthcare Providers – inaugural member

Timothy Crawford, PhD

- Society for Epidemiological Research (member)

Stacy Flowers, PsyD

- American Psychosocial Oncology Society – Professional Education, Research, Awards (chair), Education and Training

Paul Hershberger, PhD

- American Board of Clinical Health Psychology, Director, Maintenance of Certification Jennifer Lee, DO, MPH
- One World Health Medical Committee Gary Leroy, MD
- American Academy of Family Physicians Board of Directors
- President, American Academy of Family Physicians

Elisabeth Righter, MD

- American Academy of Family Physicians Alternate Delegate for State of Ohio
- President, Phi Rho Sigma Medical Society International

Other

S. Bruce Binder, MD, PhD

- President, Wright State Physicians
- Associate Dean for Clinical Affairs, WSUBSOM
- Living Well Clinic (Greene County free clinic) Board of Directors
- Medical Director – Living Well Clinic
- Medical Director – University Medical Services, Cedarville University
- Faircreek Church Medical Response Team
- Lead, COVID response team for medical students

Corey Ellis, MD

- Centerville Baseball Softball League Board of Directors

Paul Hershberger, PhD

- Vandalia-Butler City Schools – strategic planning process and Guidance Advisory Committee

Gary Leroy, MD

- The Dayton Foundation – Grants and Marketing Subcommittee
- Public Health Dayton and Montgomery County Board of Directors, President
- Dayton Public Schools Chief Medical Consultant
- East End Community Center Advisory board
- Friends of Levitt Pavilion Dayton Board of Directors
- Dayton Contemporary Dance Company Board of Directors
- Mound Street Academy Board of Directors

Anne Proulx, DO, FAAFP

- Community LGBTQ Health Alliance, Montgomery County Health Department

Peter Reynolds, MD, FAAFP, CHCQM

- Boy Scouts of America, Committee Member, Troop 103, Miamisburg, Ohio

Shaun Spielman, MD, CAQSM

- Volunteer team doctor for Greeneview High School, Jamestown, OH

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Patient Care Summary

Wright State Physicians Family Medicine office:

- 2020/2021 – 10,084 provider visits (25% of which were virtual encounters) - \$2,843,094 billed
- 2019/2020 – 11,765 provider visits (2000 of which were virtual encounters) - \$3,002,098 billed
- 2019/2020 projections based on first 8 months (pre-covid) – 12,800 provider visits - \$3,534,371 projected
- 2018/2019 – 11,099 provider visits - \$3,071,972 billed
- 2017/2018 – 9,843 provider visits - \$2,793,270 billed

In Patient Service

- 2020/2021 - \$412,724
- 2019/2020 - \$503,553
- 2019/2020 projections based on first 8 months (pre-covid) - \$605,209
- 2018/2019 - \$549,688
- 2017/2018 - \$441,701

Wright State Family Medicine Residency Program

- 2020/2021 – 14, 772 visits
- 2019/2020 – 17,901 visits
- 2018/2019 – 15,480 visits
- 2017/2018 – 15,233 visits

Student Health

- 1603 visits - \$231,321 billed

8 Honors and awards [Faculty or staff]

Anne Proulx, MD

- Attending of the year 2021 for Family Medicine Residency

9 Hosted events [CME, etc.]

N/A

10 Other information

[Other information that represents your department's contribution to the academic mission of the Boonshoft School of Medicine.]