

DIVISION OF

GENERAL INTERNAL MEDICINE



University of
Pittsburgh

DEPARTMENT OF MEDICINE

ANNUAL REPORT | FY20

DIVISION OF
GENERAL INTERNAL MEDICINE
ANNUAL REPORT

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DIVISION OF **GENERAL INTERNAL MEDICINE**

Our missions are to maintain excellence in patient care, to provide innovations in the education and training of future physicians and clinical scientists, and to advance health care and population health through research and discovery.

The Division of General Internal Medicine (DGIM) continues its success in clinical care, research, teaching, and administration even as the COVID-19 pandemic disrupted the last quarter of the fiscal year. In fact, the Division very successfully pivoted all three realms—clinical care, teaching, and research—in response to the pandemic. Our outpatient efforts quickly pivoted to telemedicine, which we embraced by rapidly growing video visit volume from 5 a week to more than 300 a week. Video visits ensured patients still had access to care throughout the early COVID outbreak and now remain critical to our core mission of providing patient access; these video visits still make up nearly 30% of the more than 1,000 visits completed weekly. Our inpatient efforts involved working with hospital leadership to contribute to efforts to create a designated COVID unit in 7G, and to quickly develop new protocols to ensure the safety of staff and patients, which has been an incredible success. As inpatient volumes decreased, we consolidated teams, altered schedules, with everyone pivoting to respond to the new challenges. As for its teaching activities, DGIM faculty members have led the way in innovation for the medical school as more and more education became virtual, and our residency program adapted very well to maintain our educational rigor despite the challenges posed by COVID-19. Finally, the Division's research efforts continued with very little interruption throughout the pandemic as investigators adjusted their protocols in response to public health requirements and all research personnel shifted to working remotely.

The **Institute for Clinical Research Education (ICRE)** continues to grow its programming and is the organization that supports the Clinical and Translational Science Institute (CTSI), serving as a research training resource for medical students, residents, fellows, and junior faculty members



Jane Liebschutz, MD, MPH Chief



Even as the COVID-19 pandemic has been taking a disproportionate toll on communities of color, turmoil has rippled across the country in the wake of George Floyd's death by police in Minnesota.

In response, the DGIM has wholeheartedly signed on as partners in the fight for social justice, committed to naming racism and systemic oppression where it exists and speaking out in solidarity with our black colleagues, students, patients, neighbors and friends. We seek to make our workplaces, clinics, classrooms, campus, and community as a whole be a more just, inclusive and representational place. To that end the DGIM undertook several diversity-focused efforts, with two of our faculty members, **Drs. Eloho Ufomata** and **Jessica Merlin**, leading the "White Coats for Black Lives" event on June 5, 2020. A standing committee for diversity was also developed, which has been conducting seminars and initiating necessary discussions about ways that we as a Division can break down barriers, in terms of changes to our recruitment, education, and policy actions. Finally, 6 of the 14 faculty on the Rapid Response Team formed by Dean Shekhar, which is reviewing and addressing objectives identified by Black medical students, are from the Division of General Internal Medicine.

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throughout the six Schools of the Health Sciences at the University of Pittsburgh. The DGIM continues to receive robust funding from the National Institutes of Health (NIH) to pursue a wide array of clinical research. Several grants related to COVID-19 were secured by DGIM faculty.

The most notable leadership change in the DGIM in FY2020 was the hiring of **Jennifer Dorazio, MBA**, as the new Division Administrator. In addition, **Mary Margaret Populo, MEd**, joined the division in August 2019 as Administrative Director of Medical Education; **Tripti Joshi, MBA**, was promoted to Senior Accountant in March 2020; and **James Cable, MHA**, joined the division in June 2020 as Director of Operations. In addition, the Division's leadership team has been an active, invaluable presence in meeting every other week with **Dr. Liebschutz** to advise on strategy, communication and to develop cohesion between the different realms of the Division. The team consists of **Drs. Walid Gellad, Michael Fine, Melissa McNeil, Jennifer Corbelli, Robert Arnold, Gena Walker, Kevin Kraemer**, and **Esa Davis**.

CLINICAL ACTIVITIES

The DGIM continues to grow its volume and maintain high quality outcomes. DGIM operates primary care sites at UPMC Montefiore, the Shea Medical Center (UPMC Shadyside), the medicine-pediatrics site at Turtle Creek, and UPMC General Internal Medicine – South, in West Mifflin.

In March 2020, DGIM rapidly responded to the COVID-19 pandemic by transitioning from primarily face-to-face visits to a majority of visits conducted via telemedicine. In April, 90% of DGIM appointments were conducted via telemedicine. The department has since seen a transition to a more equal split, with 60% of visits being completed face-to-face and 40% through telemedicine with this trend expected to continue. By June, DGIM recaptured 98% of visit volume compared to June 2019.

All sites embody a team-based approach to managing chronic diseases and providing preventive care, allowing primary care physicians to focus on patients with more complex cases. Panel management has assumed a central role using more innovative methods to support patients. In addition to general internist physicians, the multidisciplinary team includes registered nurses, certi-

GENERAL INTERNAL MEDICINE HISTORICAL OUTPATIENT VOLUMES†

Location	FY18	FY19	FY20	% Change
Montefiore*	40,491	43,653	42,721	-4%
Shea Medical Center*	8,056	8,877	8,277	-7%
Turtle Creek* Primary Care	1,544	2,280	1,275	-44%
Hillman Pain Center	2,913	2,504	3,392	35%
Cardiovascular Palliative Care	402	148	435	193%
Magee Palliative Care	576	692	710	3%
Benedum Supportive Care Service	125	130	274	110%
Mercy Palliative Care	286	223	265	19%
Comprehensive Lung Center	252	8	61	663%
South Hills*	4,063	5,452	5,161	-5%
TOTAL VOLUME	58,708	63,967	62,571	-2%

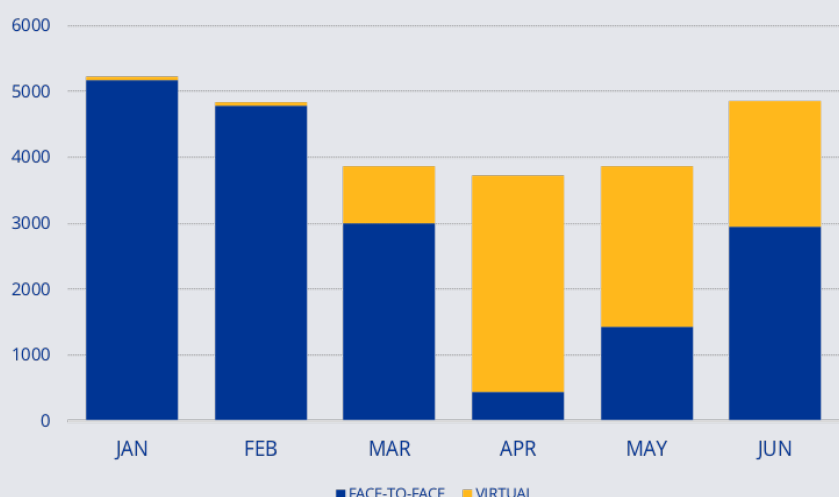
† Actual completed outpatient visits; no observation encounters

* Decrease in volume attributed to COVID

TELEMEDICINE VS FACE-TO-FACE OFFICE VISITS

JAN-JUN 2020

Average # of encounters per month: 4393



fied diabetes educators, pharmacists, ob-gyns, a psychiatric social worker, nutritionists, and a psychologist. Phone calls to patients and MyUPMC messaging have increased, while hospitalization, readmissions, and visits to the emergency department (ED) have decreased. The DGIM continues to provide high-quality care in its ambulatory sites and ended the year with Centers for Medicare and Medicaid Services (CMS) star rating of 4.2 out of 5 for UPMC Health Plan patients for whom the data is available.

The DGIM's **Center for Opioid Recovery**, begun in March 2017 thanks to a state grant, has had an excellent FY2020. Patients with opioid use disorders are provided medication-assisted treatment with buprenorphine or naltrexone. The COR clinic is located within the Montefiore site and is staffed by 13 physicians who have been waived to prescribe medication-assisted treatment. Additional services provided include behavioral health counseling, community-based support from peer recovery specialists, and social services support from licensed social workers. We have enrolled a total of 730 patients with 287 being active in the program. To accommodate demand, COR is relocating to UPMC Mercy Health Center in November 2020, with plans to build a bridge clinic to help patients transition to long-term substance use treatment.

In FY2020 we continued to direct the **Inpatient Addiction Medicine Consult Service** at UPMC Presbyterian. The service has tripled in size since its inception, providing care for more than 1,000 consults since October 2018. The value of the service was highlighted this year in a report from the UPMC Wolff Center, demonstrating a statistically significant improvement in 90-day mortality for patients with substance use disorder who receive an addiction medicine consult when compared to a control group. The service welcomed **Dr. Payel Roy** as its new director in October 2019; Dr. Roy had previously been at Boston Medical Center, where she was a chief resident and addiction medicine fellow. The service has grown further in welcoming the first Addiction Medicine Fellow, **Alicia Boykin, MD**. Dr. Boykin started her one-year fellowship in July 2020 and will spend time as a fellow on the inpatient service, in the outpatient **Center for Opioid Recovery** (COR), and participating in the Bridge Clinic program at UPMC Mercy after the anticipated fall 2020 opening. The Addiction Medicine Inpatient Consult team expanded their service in collaboration with colleagues in Infectious Disease, Cardiothoracic Surgery, Medical Ethics, and Psychiatry through the creation of an endocarditis collaborative. This collaborative has discussed and coordinated care for more than 40 patients at Presbyterian Hospital since September 2019 and will serve as a central part of the anticipated Endovascular Disease Service launching in 2020-2021.

The **Section of Palliative Care and Medical Ethics** continues to increase access to specialty palliative care. This past year the Palliative Care team consulted on 5,368 new patients in the hospital and 528 new ambulatory visits. Palliative Care ambulatory sites include cardiology, renal, HVI, cancer, and geriatrics. This past year the team implemented telemedicine visits at all ambulatory locations. In addition, Palliative Care continues to grow its community resources and has both a home palliative care and advanced illness program. In addition to physicians, advanced practitioners and social workers, the Palliative Care team includes pharmacists, psychiatrists, spiritual care, music therapy, pet therapy, and volunteers both for support and bereavement follow up. The Palliative Care team is working closely with UPMC Family Hospice, the largest in western Pennsylvania, to ensure seriously ill patients, regardless of where they are seen, receive excellent palliative care. Faculty members won national recognition for their scholarly accomplishments including **Drs. Andrew Thurston** and **Julie Childers**, who were appointed Fellows of the American Academy of Hospice and Palliative Medicine. **Dr. Julie Childers** was the recipient of the Hastings Center Cuniff-Dixon Physician Award, a national award recognizing two mid-career physicians who give exemplary care to patients at the end of life. Finally, **Dr. Bob Arnold** was the recipient of the Dr. Loren Roth Quality and Patient Safety Awards - Excellence in Leadership and named a Hastings Center fellow.

The DGIM completed its sixth year of the **Enhanced Care Program (ECP)** and anticipates continuing this service utilizing funding from the UPMC Health Plan. Working with the UPMC Health Plan, we developed the ECP as an interdisciplinary clinical program, based at our Montefiore practice site, to provide comprehensive and highly coordinated care to the most complex patients who have ex-

tensive use of services and high levels of unplanned care. Thus far, the ECP Program has enrolled a total of 372 patients, with 191 active patients in treatment. The program is providing 24/7 access to the team, frequent home visits, community support, and extensive behavioral health support. The program has achieved decreases in ED visits and all unplanned care, along with decreases in hospitalization rates. In addition, markers of clinical quality (such as provision of preventative and chronic disease management services) improved in this patient population (see below, under “Quality Improvement”).

Section of Hospital Medicine

The **Section of Hospital Medicine (SHM)** is a thriving component of the Division of General Internal Medicine’s overall clinical operations and teaching mission. SHM has programs at UPMC Presbyterian, UPMC Magee-Womens Hospital, UPMC Mercy, and UPMC Shadyside. Across all programs our hospitalists discharged a total of 18,784 patients in FY2020. The Section is proud to boast about recognition awarded to members of our hospital community: **Dr. Rebecca Vento** was the recipient of the UPMC Cameos of Caring/Champion of Nursing Award and several other SHM physicians across our programs have been named DGIM Physician Champion of the Month.

The **UPMC Presbyterian and UPMC Magee Hospital Medicine Programs** consist of key stakeholders in patient safety and quality, the importance of that made even more evident by the challenges presented by the COVID-19 pandemic. The hospitalist team quickly adapted staffing and care models that allowed for efficient and safe patient care. Members of the programs partnered with Department of Medicine leadership to develop a COVID patient unit, clinical care guidelines for inpatients, and hospital-wide processes for testing and placement of suspected or confirmed COVID-19 patients.

Despite the challenges presented by COVID-19, the Section of Hospital Medicine partnered with behavioral health leadership and nursing leadership to develop a robust Condition M response for patients suffering from acute behavioral disturbances, as well as the High Risk, Non-Adherent patient pathway, which aims to ensure patient and staff safety in particular scenarios. **Dr. Bill Levin** has partnered with surgical colleagues to help develop and implement a “surgical pause” to help eliminate the burden of futile surgeries. And, many hospitalist faculty members serve a number of roles including Medical Director of the Wound care team and members of committees such as Medical Executive Committee, Pharmacy and Therapeutics, and the UPMC Quality Review Committee.

Over the past year, the **UPMC Shadyside Hospital Medicine Program** had many changes, focused on a number of improvements, and worked on several goals. Specifically, the program has further integrated 9 Advanced Practice Providers into greater patient care responsibilities to include independent rounding, billing, and telemedicine. A care coordination rounding model has been initiated which incorporates a multidisciplinary group including nursing, social work, physical therapy, pharmacy, case managers, and the medical team. The program formed a Hospitalist Leadership committee, where our most senior and experienced hospitalists have been introduced into roles related to the improvement and efficiency of our service. Working closely with the Internal Medicine program, patient placement is improving and residents are being encouraged to participate on the Shadyside Hospitalist service. Nocturnists staff patients with residents and provide residents with a source of education and a resource for assistance when needed at night.

The Hospital Medicine Service was involved in several projects to increase patient satisfaction, reduce length of stay and readmission rates, increase Rx Express utilization, and increase goals of care discussions. Early discharges were a main focus throughout the year. Enhancing relationships with the nursing staff on the 4 and 5 Pavilion units and with the Orthopedic surgery department where we serve as a preferred consult service has been a focus. The communication initiative with the physicians whose patients we care for in the hospital was completed by visiting those physicians in their offices to deepen established relationships and build lines of communication during a patient’s hospital stay and at the time of discharge. Finally, we continue to grow the Hospital Medicine service

by most recently taking on the patients of Drs. Stull, Spinola, and Jarvis, who no longer round in the hospital. The Hospital Medicine service currently covers the patients of more than 200 outpatient physicians.

The **Hospital Medicine Program at UPMC Mercy** also had an excellent FY2020. The service operated consistently with an average morning census of more than 100 patients. FY2020 saw several improvements in service design. The program collaborated with our psychiatric colleagues to develop a medical-psych integrated care unit. This new 8-bed unit has one hospitalist and one resident rounding with the psychiatric team. In addition, we have partnered with case management and nursing colleagues to geographically assign patients on two of our teaching teams. When comparing pre- and post-intervention data for the two units impacted, the new assignment model improved our hospitalist patient placement rate from 66% to nearly 90%. Furthermore, as UPMC Mercy evolves into a center of excellence for the geriatric patient population for the system, the hospitalists have been directly impacted and taken a proactive approach to building enhanced, evidence-based models of care with sub-specialty services. One example of this is the Orthopedic Co-management Model, which involves a hospitalist working with the Orthopedic care team to provide tailored patient care via the optimal primary service utilizing the ASA Physical Status Classification System. Another example is the enhanced trauma consult service. Trauma patients over the age of 65 with two or more medical co-morbidities, or patients under 65 with significant medical issues, are directed to the hospitalist service for consult, which includes targeted multidisciplinary daily rounds. Lastly, as the environment of inpatient and outpatient care continues to add significant operational complexities that necessitate a specific skill set for each, a large primary care service, PPC (Pittsburgh Primary Care), agreed to admit their patients under our service. To support the aforementioned care initiatives the service successfully hired three new hospitalists (1 replacement & 2 additional) as well as two APPs, increasing our program size by 33% over the last two years.

Program for Health Care to Underserved Populations (PHCUP)

The **Program for Health Care to Underserved Populations (PHCUP)** celebrated its 26th year in service to the community in FY2020, with **Drs. Eliana Bonifacino** and **Jennifer Corbelli** as Co-Medical Directors.

The Program's **Birmingham Free Clinic (BFC)** (3,028 visits) and **Women's Center Clinic** (86 visits) recorded a total of 3,114 patient visits for 1,388 unique individuals. Just over 20% of all Birmingham Free Clinic visits were by new, never served individuals.

The Program's leadership team of its Clinical Director and Co-Medical Directors again accomplished significant increases in grant award, fundraising event, and donor support levels. The program received \$277,100 in total grant awards from the Pennsylvania State Department of Health (year two of a community challenge grant to improve outcomes for patients with chronic disease); The Pittsburgh Foundation (year two of expanding contraceptive access for uninsured women and establishing an Enhanced Care Clinic session to provide integrated psycho-social and medical care to patients at-risk for, or experiencing, homelessness); as well as the Highmark Foundation (COVID relief funding), and its ongoing, annual support from Primary Care Health Services and the PA Southwest Area Health Education Center.

Student-led fundraising events, including the Pitt Dhirana Classical Indian Dance Competition, the PittMed Student Auction and Engage Pitt campaign, and the annual PalPittations concert, raised \$34,600 for direct patient care support. The Program's Annual Individual Donor Appeal raised \$14,800.

The Birmingham and Women's Center Clinics remain one of the most sought after, robust, community-based experiential training sites for Pitt health professional students and UPMC medicine and pharmacy residents, with all disciplines in the Schools of the Health Sciences participating in either a volunteer or curricular capacity. DGIM Global Health Track residents continue to have their continuity clinic at Birmingham's Wednesday session, logging 465 hours of caring for patients in

the community this past year. DGIM Fellows and Chief Residents also participate at both Birmingham and the Women's Center Clinics, volunteering 100 hours. Faculty from the DGIM continue to be the backbone of both patient care and teaching/precepting time at both PHCUP clinics, logging 423 volunteer hours and 960 direct precepting hours for medical students and residents. Total volunteer time donated by all clinical faculty and resident providers (all disciplines), health professional students and lay individuals was 2,625 hours.

After 26 years, the PHCUP continues to be a regional leader in quality, integrated care for uninsured and vulnerable community members throughout our region, while providing a unique and robust experiential learning and training opportunity to students and residents across the health disciplines.

As with all clinical locations, the **PHCUP's Birmingham Clinic** was forced to quickly, and innovatively, pivot its workflows to meet the needs of its most vulnerable patients as the **COVID-19** pandemic unfolded.

Through the hard work of its staff and leadership team the PHCUP was able to develop tele-visits for all of its patients with chronic health and medication needs, as well as continue to triage and accept new, urgent patients—particularly those who were uninsured and needing follow-up care post-hospital discharge. The BFC partnered with Pitt MS4 students to organize and execute a weekly team of volunteer senior students to deliver medications to our home-bound patients who could not come in for an in-person visit due to the pandemic.

Additionally, donations by DGIM faculty and residents (\$7,000) allowed the BFC to dispense longer supplies of medications to patients so they did not have to risk taking public transportation or come in person for a visit, as well as helped the clinic staff to support its own on-site emergency food pantry, and help particularly vulnerable individuals with rent and other emergency financial assistance. From March through the end of June 2020, these unique partnerships and donations allowed the clinic to deliver nearly 240 filled prescriptions and home monitoring supplies (blood pressure cuffs, glucose monitors, etc.) and emergency food bags. Four patients were helped with emergency financial assistance for rent, utilities and/or baby items (formula, diapers, wipes). These efforts were highlighted in *Pittwire Health*.

QUALITY IMPROVEMENT INITIATIVES

FY2020 posed serious problems to maintaining performance on traditional outpatient quality measures because of the disruption brought by the COVID-19 pandemic in the last quarter. Preventative services may have been delayed both because of lack of availability of non-essential in-person care (in the early days of the pandemic) and patient choices to prioritize avoiding outings over routine health maintenance. In the COVID-19 pandemic era, our highest priority for providing high-quality care involves ensuring virtual access through the medium that works best for the patient (audio/video when the patient is able, audio only when the patient is not) and ensuring a safe office environment for patients whose medical needs require in-person care (see above). Nevertheless, the DGIM continues to excel in its quality outcome performance. Faculty patient panels meet or exceed the 90th percentile rate of national performance for most QI measures for diabetes management and preventative care, where these benchmarks are available. As another measure of quality, DGIM is among the top 3 to 4 practices in quality among all of the UPMC-Health Plan shared savings partners, when quality is looked at through its Medicare, Medicaid, and commercial fully insured insurance products.

DGIM has continued three main quality improvement projects this year: 1) employing a standardized process to discuss advance care plans (ACP) with targeted patients, 2) improving the management of high blood pressure, and 3) reducing the no-show rate for the Montefiore residents' patient panel.

Advance Care Plans

At the beginning of calendar year 2019, DGIM instituted a process in which patients who may benefit from a discussion about advance care plans (ACPs) (i.e., patients 90 years old or older or at least 65 years old with a chronic disease and 2 hospitalizations in the previous year) would get a call prior to their office visit asking them to bring in any ACP documents they have and letting them know that someone would be reviewing this with them at the visit. A trained staff person would meet with the patient either before or after the visit to initiate a discussion about ACP and document this discussion in the electronic health record. Any existing documents are given to the MD at the visit to discuss with the patient as well. With the movement to telemedicine after the COVID-19 pandemic hit, we adjusted our processes so that most of the discussion and documentation is now done over the phone. The percentage of patients with a new advance directive documented in Epic over the last two years or verification of the contents of an older document in Epic increased from 23% at the start of the project to 53%. The percentage of patients seen in the office meeting our criteria who have documented ACP discussions rose from 33% in January 2019 to 90% at the end of June 2020.

Improving Blood Pressure Control

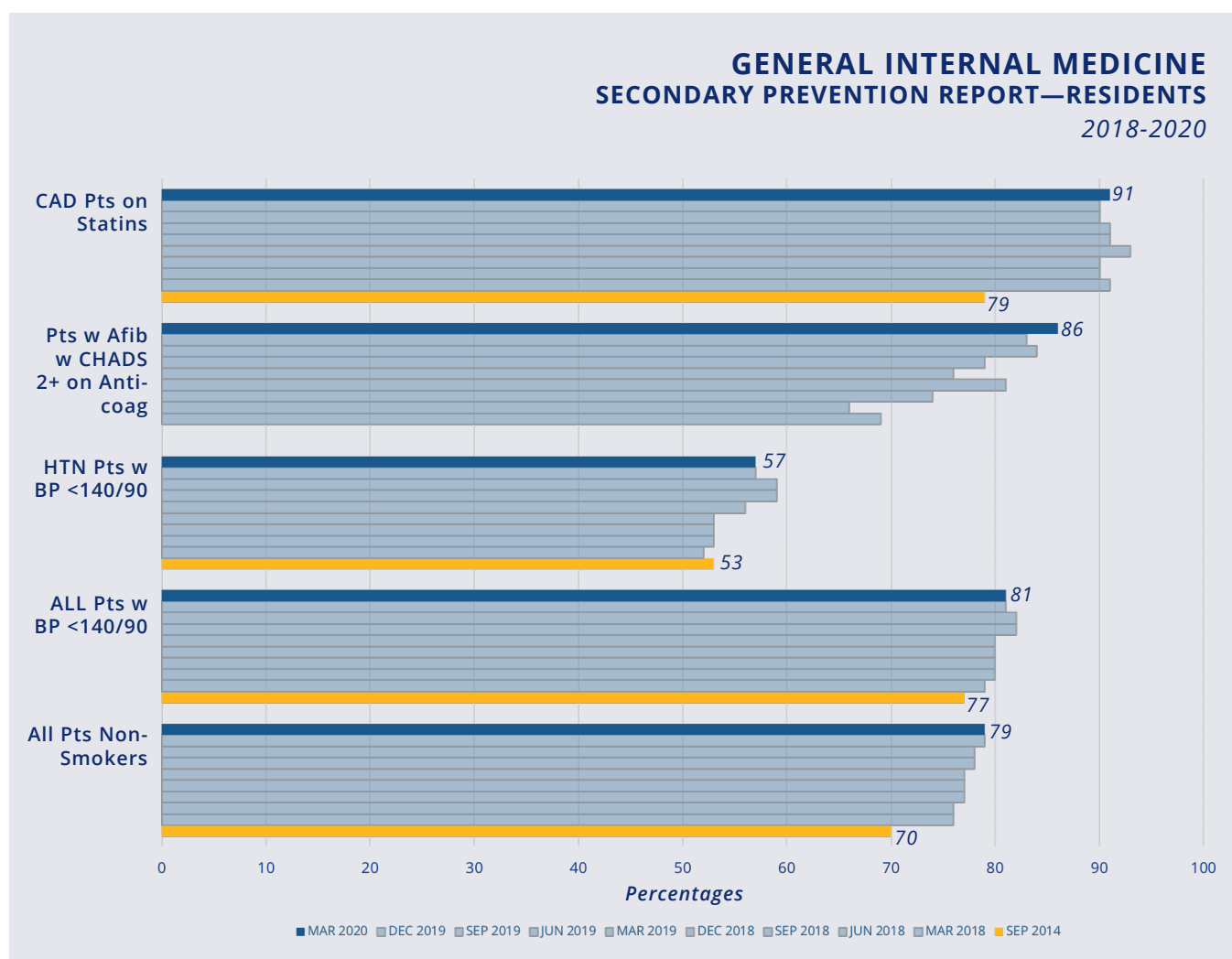
In FY2020, DGIM also instituted a project to improve blood pressure control. The key features include (1) measuring blood pressure accurately, (2) developing algorithms for titration of medications, and (3) providing blood pressure cuffs to residents' patients on Medicaid with training in their use. To

measure blood pressure accurately, we ensured that all of the medical assistants (MAs) were proficient in the correct technique for measuring blood pressure. Whenever the initial blood pressure obtained was >140/90, the MA would place an automated cuff on the patient which would measure the BP three times one minute apart and average the results. The patient would be left alone in the room during this time—providers are instructed not to enter the room and the patient is instructed not to use a cell phone. This methodology has been shown in the literature to correlate closely with home ambulatory values, so physicians can react to elevated values immediately and titrate medications. In addition, residents were able to refer Medicaid patients to the clinical pharmacist to get a BP cuff, be trained in its use, and have follow-up of the values.

This was a pharmacist-run initiative, which was curtailed due to the pandemic. Forty BP cuffs were given out to needy patients. Follow-up phone response rate was ~37%. Medication reconciliation was performed routinely, and the quarterly report was encouraging. Hypertension control for the resident patients remained unchanged at 57% for 2 quarters (see figure below). Of note, BP control is dynamic, and changes with situations. It requires both patients and practices to adhere to recommended guidelines, as mentioned above. Hence, we are optimistic about these results.

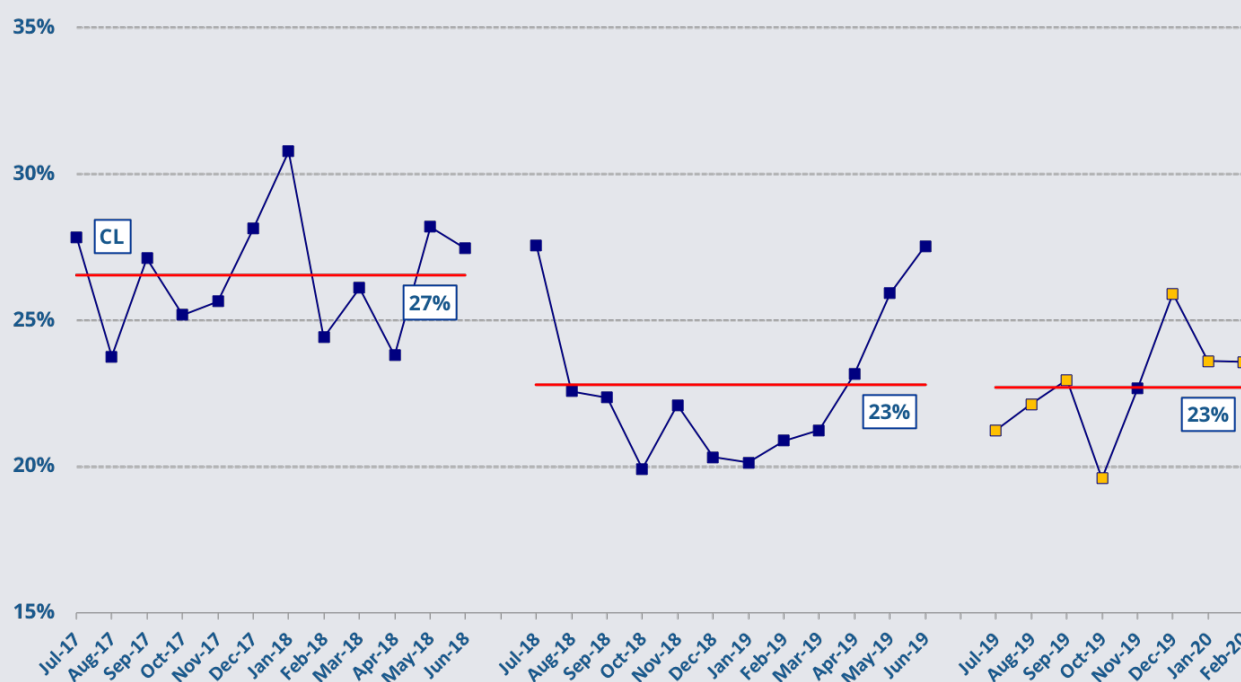
No-Show Rate

Finally, the Division of General Internal Medicine received a grant from the Department of Medicine to work on improving the No-Show Rate for resident patients, which in 2017-2018 was ~27%. The project continued until Feb. 2020 when the Pandemic changed our priorities. This project made use of a machine learning algorithm designed by the clinical analytics team in the Department of Medicine, which provides a prediction percentage for each patient's likelihood to "No Show" for their



appointment. Patients with a >20% likelihood of being a “No Show” for their appointment, as determined by the algorithm, received a phone call 48 hours prior to their appointment. In FY2019, we demonstrated a decline in the No-Show Rate by 4% (from 27% to 23%), and we were able to maintain the No-Show Rate at 23% in FY2020 (see figure below). This is significant as it translates to more patient contact and experience for our trainees, helps improve quality of care, and increases the opportunity to address preventive screening. We plan to analyze the data further to see what other factors may play a role—including patient characteristics, socio-economic status and appointment specifics. **Dr. Jaishree Hariharan** presented this work at the Institute for Healthcare Improvement (IHI) Annual Scientific Symposium in Dec. 2019 as an Oral presentation (abstract published in *BMJ Open Quality*).

NO SHOW RATES RESIDENT APPOINTMENTS 2017-2020

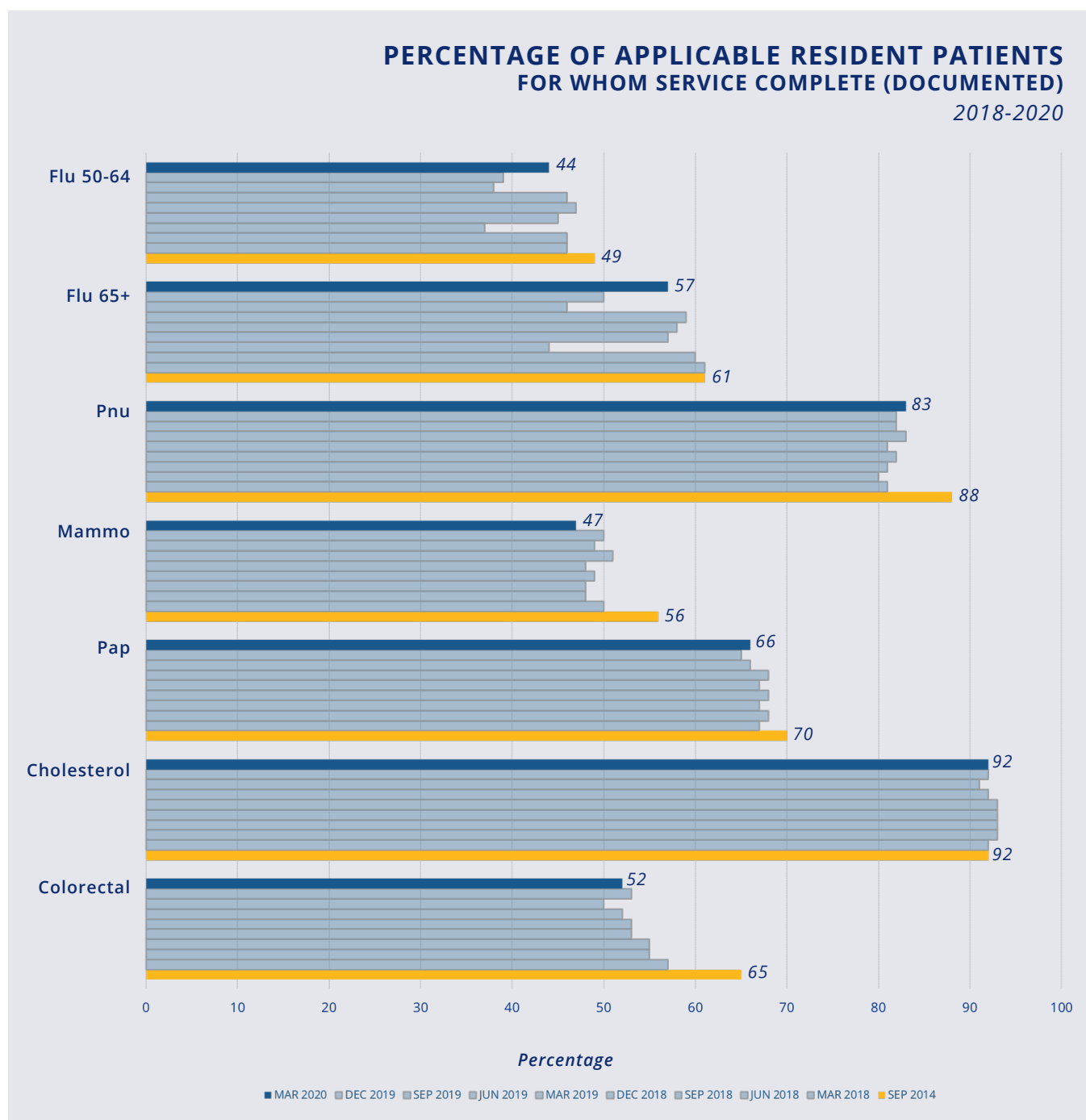


Quality Improvement Training

QI training is a requirement by the Accreditation Council for Graduate Medical Education (ACGME) for all Internal Medicine residency training programs. Since 2014, the Division of General Internal Medicine has been employing a longitudinal QI curriculum at all three of our clinic sites: Montefiore, Shea, and the VA. We developed this curriculum, which spans one academic year and employs the Plan-Do-Study-Act (PDSA) cycle, to allow residents to carry out one project each year that is focused on improving an area in primary care and chronic disease care. The project varies by site and is chosen based on the quality indicators, division priorities and site-specific needs. The topics have included diabetes foot and eye exam targeting A1C >9, blood pressure control, and colon cancer and cervical cancer screening rates. We have regularly observed meaningful improvement in these areas at the end of each project. In addition to improving our quality benchmarks, several system-related processes have been integrated into the clinic. The value of this curriculum is that residents at all three clinic sites actively participate, are engaged and work as a team in managing their

patients within their health system, and are achieving success. Additionally, focusing QI projects on key metrics that inform clinic performance and improve care may better prepare trainees for their future careers.

FY2020 was the sixth year running this longitudinal QI curriculum. This year in 9S Montefiore, the residents worked on preventive screening. The goal was to improve colon cancer screening and mammogram rates by 5% in their patient population. They worked on ways the practice could streamline the referrals for both colon cancer and mammogram, and provide appropriate education materials to help patients understand the importance of getting it done. As of Mar 2020, (when the most recent data was available), the rates did not show much improvement. This is a harder measure, as it requires patient engagement more than practice level changes. However, as educators, we felt it important that residents recognize the barriers and identify ways they can engage their patients to be more compliant with preventive guidelines (see figure on previous page).



Of particular note is our residents' participation in the inaugural NEJM Resident 360 QI Challenge, which aimed to provide a venue for residents and fellows to share their QI projects with a global audience and receive feedback while also inspiring ideas for future projects. The challenge was open to all residency programs across the United States, and the competition was fierce. A panel of about 8 judges reviewed all the submissions, of which there were over 90. A poster submitted by our resident **Dr. William Doerfler**, "A Multidisciplinary Approach to Clinic-based Hypertension Quality Improvement" (with co-authors Drs. **Elizabeth Oczypok** and **Jaishree Hariharan**), was chosen as one of 11 finalists. Drs. Doerfler and Oczypok are both incoming Chief Residents for FY2021.

Enhanced Care Program

The DGIM's Enhanced Care Program continues to improve quality of care delivered to its vulnerable patients achieving substantial improvement results (see table on facing page). The DGIM has also implemented clinical care processes that have sustained high-quality outcome results (see table below), with new or aging patients, for a population of ~21,000 unique patients at the Montefiore site, and several thousand additional patients at the Shea Medical Center and the UPMC General Internal Medicine – South sites.

GIM QUALITY IMPROVEMENT PROGRAM *Prevention and Chronic Disease Management Indicators*

GIM Quality Improvement Criteria FY20	Faculty 18 Month Ending Mar '20	QI Target	Target Source NCQA 2015 report (2014 data)
DM: HbA1c checked past 12 months	0.97	0.95	Commercial 90th %
DM: HbA1c < 8.0	0.71	0.69	Commercial 90th %
DM: HbA1c < 9.0	0.83	0.81	Commercial 90th %
DM: DM Pts >=40/On Statin	0.86	0.80	UPP Network Rate
DM: DM Pts w/ HTN on ACE/ARB	0.88	0.87	UPP Network Rate
DM: Nephropathy check past 12 mo	0.97	0.91	Commercial 90th %
DM: Eye Exam done past 12 months	0.57	0.74	Commercial 90th %
DM: Foot Exam done past 12 months	0.70	0.80	ADA/NCQA Goal
DM: DM Pts w BP < 140/90, 18-75 yo	0.75	0.79	Commercial 90th %
Diabetes Score	0.80	0.82	Diabetes Target
1*P: Flu Shot past 12 mo if > 65 yo	0.72	0.72	Medicare Average
1*P: Pneumococcal Vaccine anytime if 65-79 yo	0.90	0.81	Medicare 90th %
1*P: Mammogram past 2 yr if 50-74 yo	0.77	0.82	Commercial 90th %
1*P: Pap Smear 21-64 yo, q 3 or 5 yr as per recs	0.80	0.84	Commercial 90th %
1*P: Cholesterol past 5 yr if 50-79 yo	0.96	0.90	GIM Division Goal
1*P: Colo-rectal Ca screen if 50-75 yo as per recs	0.77	0.76	Commercial 90th %
Primary Prevention Score	0.82	0.81	Primary Prevention Target
2*P: CAD Pts on Statins	0.94	0.89	UPP Network Rate
2*P: Pts w AFib w CHADS 2+ on Anti-coag	0.85	0.79	UPP Network Rate
2*P: HTN Pts w BP < 140/90,18-75 yo	0.71	0.77	Commercial 90th %
2*P: All Pts w BP < 140/90,18-75 yo	0.84	0.80	GIM Division Goal
2*P: All Pts Non-Smokers	0.89	0.80	GIM Division Goal
Secondary Prevention Score	0.85	0.81	Secondary Prevention Target
Overall Score	0.82	0.81	Overall QI Target
<i>FYI: Flu Shot past 12 mo if 50-64yo</i>	<i>0.55</i>	<i>0.50</i>	<i>Commercial Average</i>

QI IMPROVEMENTS FROM THE ECP PROGRAM

ECP Clinical QI Criteria	ECP QI Pre-Post Data re Pts w ≥ 6 Mo LOS			National Benchmark Data		
	PRE Enrollment Data % Met Criterion	Outcome Data as of March 2020 % Met Criterion	n = # Pts Applicable to each Criterion; # in Denominator	National Actual Rate	National 90 th Percentile	Data Source NCQA 2015
Diabetes Management Criteria						
HbA1c < 8.0	55%	57%	100	47%	59%	Medicaid
HbA1c < 9.0	65%	75%	100	56%	70%	Medicaid
HbA1c Average	8.7	8.1	100	n/a	n/a	n/a
Eye Exam done past 12 months	42%	73%	100	54%	68%	Medicaid
Foot Exam done past 12 months	60%	80%	100	80%	n/a	NCQA Goal
Hypertension Management Criteria						
DM Pts w BP < 140/90, 18-75 yo	59%	81%	98	62%	77%	Medicaid
DM Pts w BP < 160/100, 18-75 yo	87%	96%	98	n/a	n/a	n/a
All HTN Pts w BP < 140/90, 18-75 yo	68%	82%	297	57%	70%	Medicaid
All HTN Pts w BP < 160/100, 18-75 yo	88%	95%	297	n/a	n/a	n/a
Preventive Health Criteria						
Mammogram past 2 yr if 50-74 yo	49%	59%	100	59%	71%	Medicaid
Pap Smear 21-64 yo, q 3 or 5 yr, as per recs	67%	81%	161	60%	73%	Medicaid
Colo-rectal Ca screen if 50-75 yo, as per recs	66%	80%	146	64%	76%	Commercial
ECP Behavioral Health Criteria						
% MH Patients linked to Psych Care	38%	96%	255			

Quality Improvement in Palliative Care

Finally, the **Section of Palliative Care and Medical Ethics** conducted inpatient and outpatient quality improvement projects with a strong focus on improving patient-centered care for all seriously ill patients. These projects include promoting advance directive conversations, establishing patient-centered goals of care for the sickest patients, increasing completion rates for Physician Orders for Life-Sustaining Treatment (POLST), and promoting the use of naloxone for patients being discharged on opiates. To date, this work has resulted in one manuscript accepted for publication in the Journal of Palliative Medicine, one presentation at the Annual Assembly of the American Academy of Hospice and Palliative Medicine, and two poster presentations at other national meetings. The Section's team continues to meet quality metrics for improving symptom management and goals-of-care conversations.

CLINICAL

LOCATIONS

Ingram

Crafton

Pittsburgh

STRIP DISTRICT

NORTH OAK

MT WASHINGTON

Mt Oliver

Brentwood

Whitehall

1

UPMC General Internal Medicine— UPMC Montefiore

3459 Fifth Avenue, 9 South
Pittsburgh (Oakland), PA 15213

2

UPMC General Internal Medicine— UPMC Shadyside

Shea Medical Center
5200 Centre Avenue, Suite 509
Pittsburgh (Shadyside), PA 15232

3

UPMC General Internal Medicine— Turtle Creek

Penn Plaza
208 Penn Avenue, Suite 108
Turtle Creek, PA, 15145

4

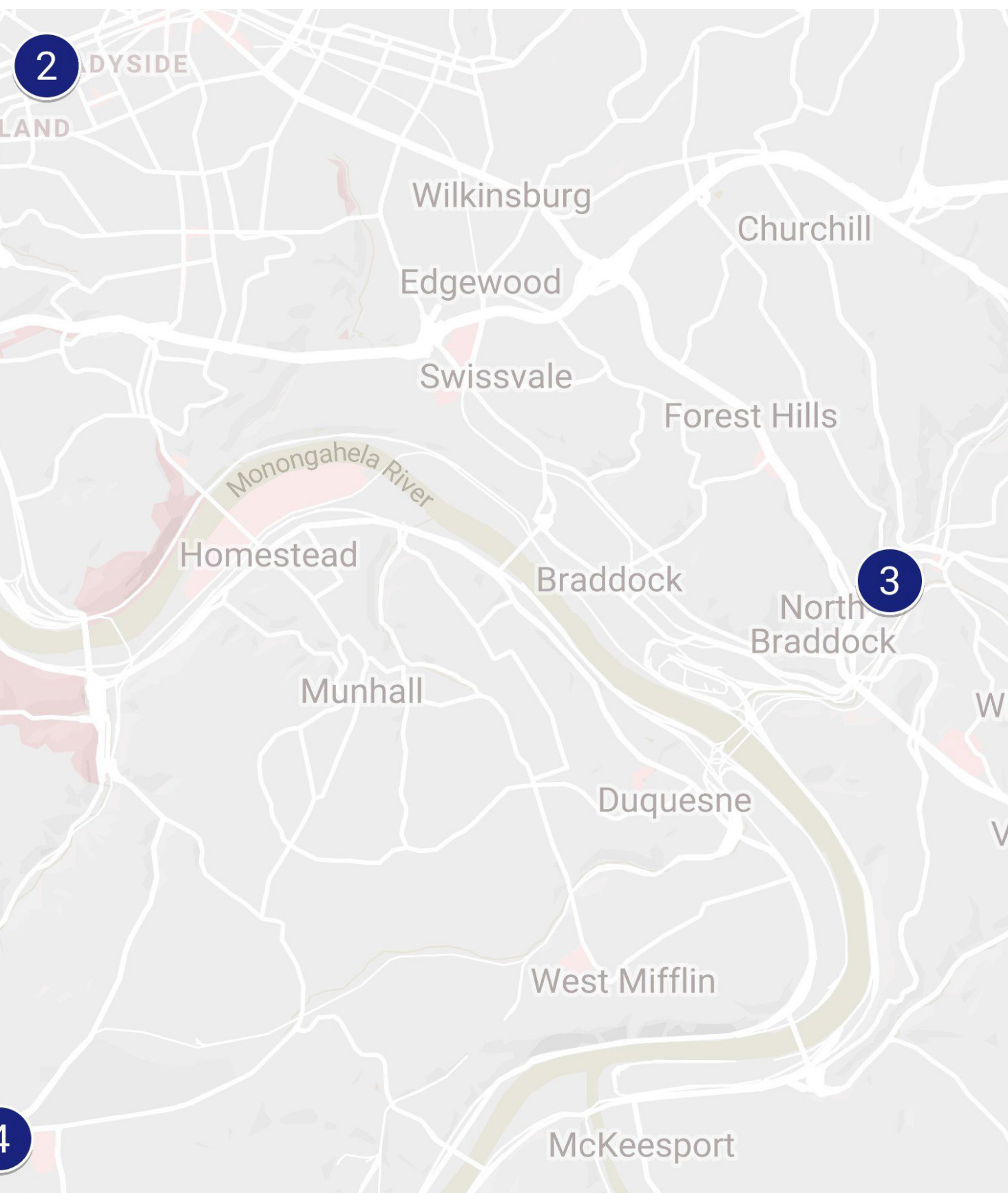
UPMC General Internal Medicine, South

2397 Mountain View Drive
West Mifflin, PA, 15122

5

UPMC Hypertension Clinic

Mercy Professional Building
1350 Locust Street, Suite 100
Pittsburgh, PA 15216



RESEARCH ACTIVITIES

The DGIM has more than 40 faculty members (MDs and PhDs) who devote the majority of their efforts to research. DGIM faculty focus on health services research, with special emphases on health disparities, medical decision making, palliative care and pain management, substance use disorders, pharmaceutical prescribing, women's health, and the intersection of tech, media, and health care.

Our faculty also possess an impressive breadth of methodological expertise including biostatistics, clinical trial coordination, comparative effectiveness research, cost-effectiveness analysis and insurance claims analysis, survey methods, and qualitative research. The majority of research is carried out through the **Center for Research on Health Care (CRHC)** and the **Center for Health Equity Research and Promotion (CHERP)**. These centers provide avenues for interdisciplinary collaboration and research with faculty members throughout the University of Pittsburgh and with members of the RAND-University of Pittsburgh Health Institute (RUPHI). Research education is also a major part of Division activities and is executed through the **ICRE**.

Research Grants

The Division continues to be at the forefront of health services research, with its faculty addressing topics critical to public health priorities in the region and nationally. In FY2020, the Division expanded its collaboration with state and local public health agencies, receiving new research awards led by **Dr. Jane Liebschutz** and **Gellad** from the Pennsylvania Department of Health and the Allegheny County Health Department, respectively, designed to inform the public health response to the opioid epidemic. The Division also continues to be home to two large-scale, multi-million-dollar research networks that facilitate novel studies across a national consortium of collaborating academic centers. These programs include **Dr. Jane Liebschutz's** Appalachian Node UG1, devoted to the study of substance use disorders, particularly the regional opioid epidemic, and **Dr. Kathleen McTigue's** PaTH program, which sponsors a broad range of patient-centered research, most recently including studies targeting COVID-19 (further details below). The overall research portfolio of General Internal Medicine remains robust. Division faculty are Principal Investigators on 12 funded NIH R01 awards as well as 5 independent K awards.

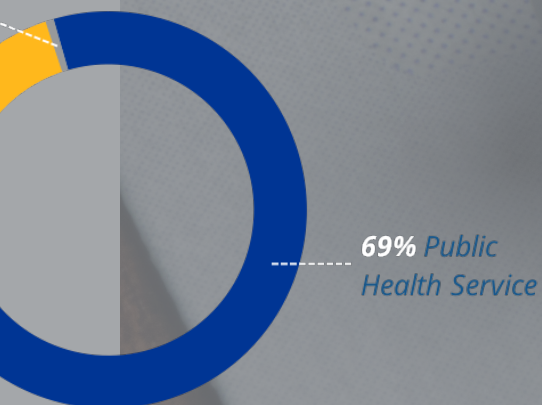
RESEARCH BY THE NUMBERS

In FY20, the Division of General Internal Medicine received over \$32m in research funding from the Public Health Service and other government agencies, industry, and various societies and foundations. Research expenditures exceeded \$20.7m.

GRANTS & CONTRIBUTIONS FY20

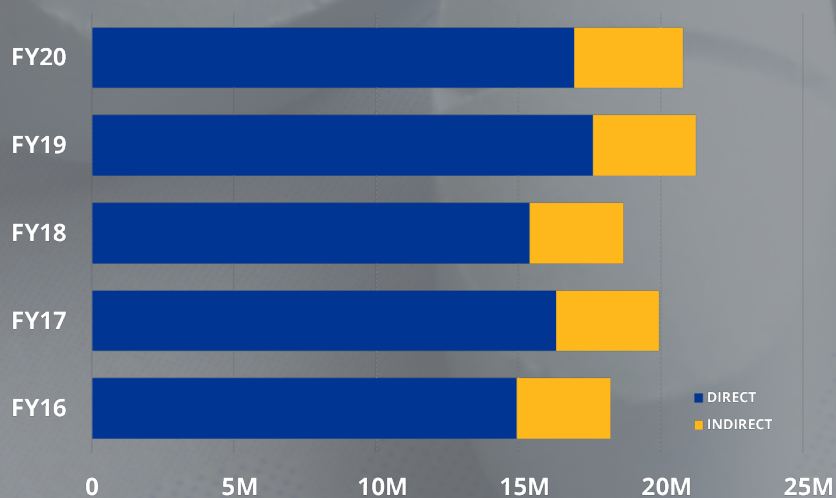


TRACTS AWARDED



RESEARCH EXPENDITURES

FY16-FY20



FY2020 also saw the awarding of the prestigious Cambia Foundation Sojourn Scholar's Award to **Dr. Jessie Merlin** to support her research endeavors, leadership development, and mentoring activities. Total research expenditures in FY2020, in spite of interruptions caused by COVID-19 in the final quarter of the year, exceeded \$20 million.

In FY2020, as a group DGIM faculty submitted 257 research grants to external funding agencies, with 65% of proposals to NIH and the remainder to other federal agencies, private foundations, the Patient Centered Outcomes Research Institute (PCORI), and others. DGIM faculty were Principal Investigators on 11 NIH R01 projects, 8 U-series proposals, and an additional 12 R-series research projects. Eight faculty submitted K-series career development proposals. As Co-Investigators, DGIM faculty participated in 45 NIH R01 projects and an additional 57 R-series projects. A full breakdown of proposals submitted in the past year is in the table below. Of note, these numbers do not include the many grants submitted by DGIM faculty through the VA (see CHERP section below for more information).

GRANTS SUBMITTED BY DGIM FACULTY, FY2020

Role	NIH R01	NIH R-series (other)	NIH U-series	NIH P-series	NIH K-series	AHRQ R-series	PCORI	Foundation	Other	TOTAL
Principal Investigator	11	12	8	0	8	2	6	12	13	72
Co-Investigator	45	57	22	2	3	4	10	32	10	185
TOTAL	56	69	30	2	11	6	16	44	23	257

Publications

In FY2020 DGIM faculty produced over 350 publications resulting from their respective research projects, a >15% increase from the previous FY's total. Impressively, **84%** of these publications were original research and reviews, which reflects the Division's top-notch research programs and their commitment to improving the practice of health care. Thirty-three of DGIM's publications appeared in high-impact journals (Journal Impact Factor >10), including the following: *New England Journal of Medicine*, *JAMA* (as well as others in the JAMA Network including *JAMA Internal Medicine*, *Pediatrics*, *Surgery*, *Neurology*, and *Cardiology*, as well as *JAMA Network Open*), *The Lancet Diabetes & Endocrinology*, *Annals of Internal Medicine*, *Annals of Surgery*, the *American Journal of Respiratory and Critical Care Medicine*, *Alzheimer's & Dementia*, *Science Translational Medicine*, and *Hepatology*.

First Author Highlights: DGIM faculty had no shortage of high-impact first-author publications. **Dr. Kathleen McTigue's** article on sleeve gastrectomy and gastric bypass in *JAMA Surgery* had more than 9,000 views on the journal's website, press coverage in the *New York Times*, and tweets that potentially reached more than 600,000 users. **Dr. Katie Suda's** article on dentists prescribing opioids was chosen by the *American Journal of Preventive Medicine* as the April 2020 Editor's Choice. **Dr. Utibe Essien's** research on disparities in quality of primary care in the *Journal of General Internal Medicine* reached potentially more than a half million users on Twitter. **Dr. Jaime Sidani's** study on Twitter conversations about JUUL's nicotine effects in *Drug and Alcohol Dependence* has an attention score in the top 5% of all publications scored by Altmetric and in the 97th percentile compared to articles of the same age. **Dr. Ann-Marie Rosland's** publication on Medicaid and chronic health conditions in the *Journal of General Internal Medicine* was also within Altmetric's top 5% of all scored publications and in the 97th percentile compared to other publications of the same age.

Contributing Author Highlights: DGIM faculty collaborated on many high-impact publications, including articles in the *New England Journal of Medicine* and *JAMA*. **Dr. Michael Fine** was a co-author for an official clinical practice guideline of the American Thoracic Society and Infectious Diseases Society of America on the diagnosis and treatment of adults with community-acquired pneumonia, published in the *American Journal of Respiratory and Critical Care Medicine*, which was downloaded

more than 775,000 times and already has been cited in at least 175 other publications, including twice by the CDC. Of more than 8,000 articles published over time in the journal, this study is ranked #2 as far as receiving the most attention, according to Altmetric. The reach of this article on Twitter alone was potentially greater than two million Twitter users through more than 2,000 tweets. Two DGIM faculty—**Dr. Jonathan Yabes** and **Dr. Joyce Chung-Chou Chang**—were among the collaborators in a high-impact *JAMA* publication on state-mandated protocolized sepsis. This study was covered by more than 60 news outlets including NPR and shared on Twitter more than 200 times, potentially reaching more than one million Twitter users.

Research Centers and Programs

The **Center for Research on Health Care (CRHC)** provides a forum for talented multidisciplinary investigators from throughout the university community to collaborate in high-quality health services research and train future investigators in methods and practices critical to the conduct of rigorous and exemplary research. The CRHC continues to recruit additional faculty candidates to supplement its ranks with new investigators at every career stage. In the past year, the CRHC added an exceptionally accomplished researcher, **Katie J. Suda, PharmD, MS**, as Professor of Medicine. Dr. Suda's area of expertise is pharmacoepidemiology, and her current, funded research focuses on antibiotics and opioids in dental prescribing.

The **VA Center for Health Equity Research and Promotion (CHERP)**, directed by **Michael Fine, MD, MSc**, and **Sonya Borrero, MD, MS** (Associate Director), provides a research home for 25 investigators, including 12 with academic appointments in the Department of Medicine, who collaborate across the Schools of the Health Sciences and VA Centers of Innovation on research and quality improvement efforts to improve the quality and equity of health and health care for Veterans. CHERP is also home to VA post-doctoral training programs in health services research, medication safety and pharmaceutical outcomes, and women's health. In FY2020, CHERP investigators successfully competed for 7 VA research awards, including 2 Career Development Awards (**Bachrach** and **Essien**), 3 Merit Awards (**Bramoweth**, **C Thorpe/Radomski**, and **J Thorpe**), one QUERI Partnered Evaluation (**Rogal**), and one Pilot (**Weisbord**). Also in FY2020, **Walid Gellad, MD, MPH**, was the recipient of a Presidential Early Career Award for Scientists and Engineers (PECASE), the highest honor awarded by the federal government to science and engineering professionals in the early stages of their research careers. **Utibe Essien, MD, MPH**, successfully competed for a 5-year VA HSR&D Career Development Award on his first attempt. Dr. Essien was also featured in a host of national podcasts and media interviews about the racial disparities in the COVID-19 pandemic, including for NBC News, NPR, and the *New York Times*. **Leslie Hausmann, PhD**, led CHERP's new program of Research to Impact for Veterans, which is using an interactive disparities dashboard to integrate equity into evidence-based quality improvement across Veterans Integrated Service Network 4. **Ann-Marie Rosland, MD, MS**, continues to partner with the VA Office of Primary Care on research and quality improvement projects focused on improving outcomes for primary care patients at high risk for hospitalization and poor outcomes.

CHERP research continues to impact clinical care and policy in the VA and beyond. For example, in FY2020, **Dr. Hausmann** partnered with the Office of Health Equity to develop COVID-19 social risk screening items that were added to the VA electronic health record for national use. VA research by **Dr. Rosland** on the importance of training family supporters to improve diabetes management was incorporated into the latest guidelines for diabetes self-management education and support for adults with type 2 diabetes issued by the American Diabetes Association. VA research led by **Dr. Borrero** demonstrating that 12-month (instead of 3-month) oral contraceptive dispensing would result in substantial cost savings for the VA and reduce unintended pregnancy among women Veterans was cited by US Representatives **Conor Lamb** and **Lauren Underwood** in an Open Session of the House Committee on Veterans' Affairs and informed national legislation to expand Veterans' access to contraceptives currently under review in the US House of Representatives (HR4281) and Senate (S.2821). Also in FY2020, CHERP and the Division of General Internal Medicine co-recruited

Katie J. Suda, PharmD, MS, an accomplished investigator focused on improving the quality and safety of outpatient prescribing for antibiotics and opioids, as well as improving prescribing safety and quality among Veterans receiving care at multiple health systems.

The **CRHC Data Center**, under the direction of **Kaleab Abebe, PhD**, greatly facilitates the conduct of research and supports investigators from across the entire institution. The Data Center has three cores—data management/information systems (DM/IS), biostatistics, and qualitative research services—which allow it to support a variety of research studies in a number of ways. The DM/IS Core develops state-of-the-art web-based data management systems designed to facilitate data capture and enhance the workflow of clinical research studies. The Biostats Core carries out statistical analyses and collaborates with principal investigators to interpret the findings and disseminate study results. Finally, the Qualitative Core of the Data Center (Qual EASE) collaborates with investigators to integrate qualitative research services into clinical research studies, including data collection, transcription, coding, and analyses. Under the leadership of Dr. Abebe, the Data Center continues to expand and has become solidly self-supporting as a cost recharge center.

In FY20, **Dr. Ann-Marie Rosland** established the multidisciplinary **Caring for Complex Chronic Conditions Research Center (CCC)**, which integrates resources from the University of Pittsburgh, Veterans Affairs facilities, and community-based non-profit organizations to improve health care and health outcomes for people with complex chronic health conditions. Specific areas of focus include family and social support in chronic condition management, and high-risk complex patients in primary care.

The CCC is designed to promote impactful, multi-disciplinary research within the Department of Medicine. As the prevalence of complex chronic health conditions grows, with increasing impact on healthcare systems, researchers in multiple divisions across DOM (including General Internal Medicine, Renal-Electrolyte, Cardiology, Endocrinology, and Rheumatology) are pursuing health services research in care of chronic conditions. These researchers often use similar theoretical frameworks, study designs, intervention approaches, and analytic techniques, but do not have a structured way to find each other, share knowledge, and collaborate. The CCC aims to fill this key gap by bringing these researchers together to facilitate sharing of expertise, research designs and data, and foster collaborations. The Center also aims to facilitate trainee and early career faculty access to multidisciplinary expertise and mentorship in researching care of chronic health conditions.

The CCC is also making significant contributions to UPMC operations as it expands its initiatives to use analytics and novel programs to improve outcomes for complex patients. For example, the CCC is helping UPMC to rigorously evaluate the Enhanced Care Program (ECP) for high-needs patients; partnering with the Pitt/UPMC Diabetes Institute to expand novel ways to reach rural UPMC patients with diabetes; and mentoring junior DOM investigators in applying novel analytic methods to high-risk patient populations served by UPMC.

In June 2019, the NIH awarded a five-year, \$5.8 million grant to establish the **Appalachian Node** of the National Institute on Drug Abuse Clinical Trials Network (CTN). The Clinical Trials Network (CTN) is a national consortium established by the National Institute on Drug Abuse (NIDA) to provide an enterprise in which NIDA, treatment researchers, and community service providers work toward new treatment options in community-level clinical practice. The Appalachian Node, led by Division Chief **Dr. Liebschutz**, in partnership with Judith Feinberg, MD, of West Virginia University, and Sarah Kawasaki, MD, of the Pennsylvania State University, was created to address clinical research questions that arise from Central Appalachia, an epicenter of the current opioid epidemic. The Appalachian Node will test novel solutions to ameliorate the epidemic by harnessing local resources, employing health technology, and incorporating bioinformatics.

In its first year of operation, the Appalachian Node launched two clinical trial studies. The **Subthreshold Opioid Use Disorder Prevention (STOP) Trial (CTN-0101)** is testing the efficacy of the primary care STOP intervention to reduce unhealthy opioid use and examine its impact on progression to moderate-to-severe opioid use disorder, overdose risk behavior, and overdose events in adults with

unhealthy use of illicit/prescribed opioids. ***Medication treatment for Opioid-dependent expecting Mothers (MOMs): a pragmatic randomized trial comparing Extended-Release and Daily Buprenorphine formulations (CTN-0080)*** will evaluate the impact of treating opioid use disorder in pregnant women with BUP-XR, compared to BUP-SL, on maternal-infant outcomes. As it enters its second year, the Appalachian Node has over \$1.5 million earmarked to support new clinical trial protocols, making it well positioned to have a continued impact on the opioid epidemic throughout the region.

The **PaTH Clinical Data Research Network** is a major program created by the Patient-Centered Outcomes Research Institute (PCORI) to develop infrastructure to support multi-site health research using real-world evidence. Established in 2014, it has had a major impact on our capacity to conduct patient-centered outcomes research. PaTH is one of nine networks that make up the national PCORnet initiatives. Collaborators include Geisinger Health System, Johns Hopkins University, Johns Hopkins Health System, Penn State College of Medicine, Penn State Milton S. Hershey Medical Center, Temple Health System, Lewis Katz School of Medicine at Temple University, the University of Pittsburgh, UPMC and UPMC Health Plan, The Ohio State University, The Ohio State University Wexner Medical Center, University of Michigan, and Michigan Medicine. De-identified data from over 13 million patients are accessible through the PaTH Common Data Model. PaTH investigators have co-led the PCORnet Bariatric Study and have participated in nine PCORnet studies led by investigators from other PCORnet institutions (e.g., *HERO*, *DS-Determined*, *WISE*, *CaRISMA*, *Daily24*, *Identifying Personalized Risk of Acute Kidney Injury*, *Health Diabetes Study*, *ADAPTABLE*, *INVESTED*, *PROVIDE-HF*, *Implementation of Patient-Reported Outcomes Measurement in Routine Clinical Practice for Heart Failure Patients in PCORnet*, *PCORnet PCSK9i Study*). In addition, researchers at PaTH-affiliated institutions have undertaken studies that address topics such as low-back pain treatment, prevention of fragility fractures, comparative effectiveness of the CMS obesity counseling policy, the impact of timing on eating and weight loss, provider-targeted interventions to prevent unsafe opioid prescribing, and prevention of COVID in healthcare workers. In Phase II of PCORnet, PaTH research teams used innovative recruitment approaches to enroll over 14,300 patients (7,847 from UPMC alone) to participate in health research. The University of Pittsburgh is the lead site for PaTH, with **Kathleen McTigue, MD, MPH**, serving as lead PI and Michael Becich, MD, PhD (Department of Biomedical Informatics), acting as co-PI.

The **Section of Treatment, Research, and Education in Addiction Medicine (STREAM)**, led by **Kevin Kraemer, MD, MSc**, seeks to build programs and human capital at the University of Pittsburgh in this area. STREAM leverages existing substance use disorder research, training, and clinical care programs at the VA Pittsburgh Healthcare System, UPMC, and the University of Pittsburgh. This research program conducts studies on approaches to substance use disorders in non-specialty settings, fosters research collaborations across disciplines, and endeavors to gain program project funding. STREAM leads the Center for Opioid Recovery (see the “Clinical Care” section) and STREAM faculty participate in the Addiction Medicine Consult Service and Addiction Medicine Fellowship Program. STREAM had a very successful year. Dr. Kraemer directed a PCORI \$4.2 million multi-site project to decrease unsafe opioid prescribing for acute pain in 22,565 patients across 48 primary care clinics. The project uses provider-targeted behavioral interventions to prevent unsafe opioid prescribing for acute non-cancer pain in primary care. In addition, as mentioned above, **Dr. Jane Liebschutz** has established an Appalachian Node of the NIDA Clinical Trials Network, to carry out opioid-related research that has the potential to change policy and improve treatment for hard-to-reach populations. STREAM is helping to build the careers of an impressive group of K-supported young clinical investigators, including **Deanna Wilson, MD, MPH** (opioid use disorders in adolescents and young adults); **Shari Rogal, MD, MPH** (substance use disorders in patients with advanced liver disease); **Hawre Jalal, MD, PhD** (dynamic simulation modeling of the opioid epidemic), and **Coleman Drake, PhD** (analysis of geographic access to medication therapy for opioid use disorder). To maintain momentum in clinical research career development in this area, Dr. Kraemer was recently awarded a NIDA K12 program “University of Pittsburgh Collaboration in Addiction Training Scholars (PittCATS)” to support 2-3 additional junior faculty in substance use disorder research.

Bridging Connections in Addiction Research (BCAR) was established with a kick-off event in February 2020 with a gathering of 60 addiction researchers for a keynote address by one of the founders of the field of addiction psychiatry, Dr. Roger Weiss from Harvard University, presentations on current research around the university and with partners at West Virginia University and networking opportunities. This initiative, conceived by Dr. Jane Liebschutz, will bring together cross-disciplinary addiction research faculty and trainees to create opportunity for learning and collaboration. The BCAR steering committee includes DGIM members Drs. Esa Davis, Kevin Kraemer and J. Deanna Wilson. It has developed a seminar series and a compilation of addiction research across campus.

The **Center for Behavioral Health, Media, and Technology (CBHMT)** was formed early in FY2020 with the merger of the Center for Behavioral Health and Smart Technology, founded in 2015 and led by **Dr. Bruce Rollman**, and the Center for Research on Media, Technology, and Health (MTH), founded in 2014 and led by Dr. Brian Primack until his June 2019 departure for the University of Arkansas. As before, the merged Center remains a cross-disciplinary group within the Division of General Internal Medicine's larger Center for Research on Health Care and facilitates interventional research conducted at the intersection of clinical medicine, behavioral health, media, and health care technology to improve health outcomes.

CBHMT supports the careers of new and junior investigators under the guiding principles of our “-SHIP” framework: MentorSHIP, SponsorSHIP, PartnerSHIP, RelationSHIP, FriendSHIP, and ScholarSHIP. Within the -SHIP framework, the Center has several collaborative clinical research opportunities underway including: (1) **MentorSHIP** for **Dr. Charles Jonassaint's** new \$4.3M PCORI award for his trial of online pain management for sickle cell patients; and for Dr. Cesar Escobar-Viera's online app for LGBTQ rural youth, funded through the ETUDES Center; (2) **SponsorSHIP** of the 11th Scientific Meeting of the International Society for Research on Internet Interventions (ISRII) scheduled to take place on the Pitt campus in September 2021 (originally Sep. 2020 but postponed due to COVID-19); (3) **PartnerSHIP** as the Methods Core for the NIMH-funded ETUDES Center to prevent adolescent suicide (PI: D. Brent, Psychiatry); and between Center researchers **Drs. Jaime Sidani, Kar-Hai Chu**, Ariel Shensa, and Ms. Beth Hoffman and faculty in the Graduate School of Public Health to study the discordance of tobacco-related terminology between adolescents and their health care providers; (4) **RelationSHIPS** including one between Center core faculty member and Pitt's Mobile Sensing + Health Institute (MoSHI) founder **Dr. Carissa Low** and **Dr. Rollman** that led to Dr. Rollman's \$6.7M proposal to utilize smartphone technology to promote cardiac rehabilitation for heart failure patients, which is to be funded by NHLBI in early FY2021; and between CBHMT, ETUDES, and Carnegie Mellon University's Human Computer Interaction Institute to sponsor a \$100,000 Innovation Contest in summer 2020; (5) **FriendSHIPS** between Center members through a dinner reception at Dr. Rollman's home this past winter, monthly breakfast meetings, and now twice-monthly Zoom calls to maintain contact; and (6) **ScholarSHIP** with numerous papers and national presentations by Center faculty, staff, and trainees.

The **Center for Women's Health Research and Innovation (CWHRI)**, led by **Sonya Borrero, MD, MS**, comprises an interdisciplinary group of researchers dedicated to improving women's health through innovative, high-quality health services research. The research conducted by CWHRI seeks to understand not only how individual-, provider-, and system-level factors influence women's health care, but also how social and cultural norms and health and social policies support or interfere with women's ability to achieve optimal wellbeing and health, across the lifespan and across diverse populations. FY2020 was very successful for CWHRI with CWHRI faculty receiving numerous honors and awards, including **Sonya Borrero, MD, MS** (Society of Family Planning Beacon of Science Award); **Rebecca Thurston, PhD** (selected to be President of the North American Menopause Society); and **Holly Thomas, MD, MS** (Award for Research on Women's Sexual Health North American Menopause Society). Core CWHRI faculty received seven NIH grants (three of which included two or more CWHRI collaborators) and one career development award. CWHRI faculty research has led to many high-impact publications, news media coverage, and influenced policy and advocacy efforts around women's health. Notably, research from Dr. Borrero's team informed policy recommendations for

12-month contraception dispensing within the VA. Lastly, Marian Jarlenski, PhD, MPH, an Associate Professor of Health Policy and Management in the School of Public Health at the University of Pittsburgh, will be taking on the new role of Associate Director of CWHRI.

The **Center for Pharmaceutical Policy and Prescribing**, of which **Dr. Walid Gellad** is the Director, had a successful FY2020, with a number of high-impact publications and grant awards. The Center fosters multidisciplinary collaboration to improve the quality, safety, and efficiency of medication use, and focuses on informing the regulation and coverage of pharmaceuticals and improving patient and prescriber decision-making on prescription drugs. CP3 recruited and welcomed two new affiliated faculty members, **Dr. Katie Suda** and Dr. Jing Luo. Dr. Suda's paper, "Overprescribing of Opioids to Adults by Dentists in the U.S., 2011–2015," published in *The American Journal of Preventive Medicine*, led to several media appearances. Dr. Luo is well known for his work in insulin pricing. Dr. Jingchuan (Serena) Guo also joined CP3 as a postdoctoral scholar, working with Dr. Gellad and Dr. Inma Hernandez, Associate Director of CP3. CP3 was awarded two major grants in FY2020. First, the Pennsylvania Department of Health contracted with CP3 (PI: Gellad) as part of the CDC's Overdose Data to Action agreement. The project team will use predictive analytics to conduct surveillance for opioid overdoses using data from the PA Prescription Drug Monitoring Program. Next, the Richard King Mellon Foundation awarded the team (PI: Gellad) a second grant to continue its work in applying machine learning analyses to Allegheny County service use data to improve risk prediction for opioid overdose; this phase of the work will focus on equity and intervention implementation. In FY2020, CP3-affiliated faculty published 61 peer-reviewed papers, including an unprecedented three papers in a single issue of *JAMA*. The March 3, 2020, edition of the journal, focused on drug pricing, featured papers from CP3 faculty on the relationship between drug shortages and pricing (Hernandez, Hershey, Donohue), sponsorship and funding for gene therapy trials (Kassir, Kuza, Gellad), and the effects of discounts on drug prices (Hernandez, San-Juan-Rodriguez, Good, Gellad). Finally, CP3 also welcomed Tina Batra Hershey, JD, MPH, as an affiliated faculty member; Hershey is an Assistant Professor of Health Policy and Management and an Adjunct Professor in the School of Law.

The **Palliative Research Center (PaRC)** was established in 2019 as the official organization for the robust research enterprise within the Section of Palliative Care and Medical Ethics. Led by **Yael Schenker, MD, MAS, FAAHPM**, PaRC seeks to promote the field of palliative care by building the scientific evidence base, exploring ethical dilemmas, fostering transdisciplinary collaborations, and mentoring a diverse generation of emerging palliative care research scientists. In FY20, the team published 74 articles in well-known journals, including *JAMA*, *Annals of Internal Medicine*, and *Journal of General Internal Medicine*. PaRC faculty had roles on 23 grants, 6 of which were recently funded. **Drs. Bob Arnold** and **Yael Schenker** received \$600,000 from the McElhatten Foundation to conduct the "Palliative Care Technological Extension and Assistance in the Community for Healthcare Outcomes in Western-PA (Pal-TEACH)" study. Faculty members won national recognition for their scholarly accomplishments including Dr. Schenker, who was appointed Fellow of the American Academy of Hospice and Palliative Medicine and named an Emerging Leader in Hospice and Palliative Medicine. **Dr. Jessica Merlin** was granted a 2019 Sojourns Scholar Leadership Program award by the Cambia Foundation.

The **Center for Clinical Trials and Data Coordination (CCDC)**, which serves as a data coordinating center (DCC) for numerous randomized controlled trials (RCTs), was established in 2015 under the direction of **Dr. Kaleab Abebe**. The CCDC is the DCC arm of the CRHC Data Center and guides clinical trials from conception to closeout, employing a system that seamlessly integrates critical elements of clinical trial management. Using clinical research data coordinators who function as conduits between the clinical, data, and statistical teams of each study, the CCDC is quickly becoming a leader in data coordination of single- and multicenter clinical trials. The CCDC currently leads data coordinating centers for 6 single- and multi-institutional RCTs in numerous content areas. In FY2020, the CCDC was instrumental in obtaining funding for a \$4.3 million PCORI-funded trial: the Cognitive Behavioral Therapy and Real-Time Pain Management Intervention for Sickle Cell via Mobile

Applications (CaRISMA) (MPI: **Drs. Charles Jonassaint** and **Kaleab Abebe**).

Future Initiatives

In FY2021, **Dr. Jessica Merlin** will launch the **Challenges in Managing and Preventing Pain (CHAMPP) Clinical Research Center**, the goal of which is to establish DGIM as a national research leader in the field of clinical challenges in pain prevention and treatment, especially in patients with serious illnesses. This will strengthen DGIM's capabilities in pain research, adding to its many other strengths in health services, palliative care, women's health, behavioral science, and addiction medicine, to name just a few. CHAMPP will bring together DGIM's existing clinical research centers and establish collaborations with other University resources such as the basic science-focused Pittsburgh Center for Pain Research (PCPR) and other groups such as the VA's CHERP, and the Departments of Anesthesiology and Perioperative Medicine, Psychiatry, Emergency Medicine, Physical Therapy, and Physical Medicine and Rehabilitation. This will foster interdisciplinary interactions required for innovation and rapid translation from discovery into clinical practice.

Faculty Research Interests and Activities

Jane M. Liebschutz, MD, MPH *Division Chief*

Dr. Liebschutz's research is focused on developing interventions to combat the current crisis in opioid use disorders. More broadly her research focuses on substance use, violence, and mental health within the practice of general medical care. Earlier in her career, she studied violence and its health impacts—knowledge that she uses in her current work on substance abuse disorders. Dr. Liebschutz has conducted numerous observation and intervention studies, including research on opioid prescribing for chronic pain in primary care. She has also directed randomized trials to study the treatment of opioid and injection drug use disorders in hospitalized patients. Dr. Liebschutz has a sustained history of funding, including current R01 funding to study "Implementing opioid risk reduction strategies into primary care practice."

Her research has been supported by the NIH's National Institute on Drug Abuse, Health Resources and Services Administration, the Robert Wood Johnson Foundation, the American Cancer Society, the Substance Abuse and Mental Health Services Administration, and the Agency for Healthcare Quality and Research. She has been a frequent speaker at national and international conferences held by, among others, the Society of General Internal Medicine, the American College of Physicians, the College on Problems of Drug Dependency, and the National Drug Abuse Treatment Clinical Trials Network. Her topics have ranged from intimate partner violence and chronic pain management to work-life integration.

Advisory Committee Memberships and Leadership Positions

- Founding Member, Physicians Against Violence, Society for General Internal Medicine Interest Group, 1998-present
- Member, Alcohol, Tobacco, and Other Drugs Interest Group, Society for General Internal Medicine, 2004-present
- Member, Pain Interest Group, Society for General Internal Medicine, 2006-present
- Advisor, Women's Task Force, Career Advising Program, Society of General Internal Medicine, 2014-present
- Member, Mental Health and Substance Abuse Task Force, Society for General Internal Medicine, 2016-present
- Member, Physician Scientist Incubator Career Development Committee, University of Pittsburgh/UPMC, 2018-2023
- Member, Wellness Symposium Planning Committee, UPMC, 2018-present
- Member, Center for Health Equity and Research Promotion (CHERP) Planning Committee, VA Pittsburgh Healthcare System, 2018-present
- Board Member, Prevention Point Pittsburgh, 2019-present

Professional Affiliations and Society Memberships

- Member, American College of Physicians, 1993-present
- Member, Society of General Internal Medicine, 1994-present
- Member, Association for Multidisciplinary Education and Research in Substance use and Addition, 2000-present
- Member, Pennsylvania Medical Society, 2017-present

Editorships

- Reviewer, Multiple journals (*Journal of General Internal Medicine, Archives of Internal Medicine (JAMA Internal Medicine), Journal of Women's Health and Gender Based Medicine, Drug and Alcohol Abuse; Annals of Family Medicine, AIDS Care, Women's Health in Primary Care, Women's Health Issues, AIDS and Behavior, Journal of the National Medical Association, Journal of Psychosomatic Research, Pain, Journal of the American Medical Association, Addiction, European Journal of Pain, Journal of Substance Abuse Treatment; The Harvard Review of Psychiatry, The Journal of Pain, Annals of Internal Medicine*), 1998-present

Honors and Awards

- Physician of the Year, Ladies Hospital Aid Society, 2019
- Top Grade Reviewer, Annals Internal Medicine, 2019

Kaleab Z. Abebe, PhD

Dr. Abebe's collaborative research focuses on the design, conduct, and analysis of multicenter, randomized, controlled trials (RCTs), namely in polycystic kidney disease (PKD). He is the PI of the Data Coordinating Center (DCC) for the TAME-PKD study, which is a phase II RCT that is assessing safety and tolerability of metformin in PKD as well as for the STERIO-SCD study, a phase II trial in sickle cell disease. Most recently, he was the PI of the Data Coordinating Center (DCC) for the HALT-PKD Network, which comprised two 7-site clinical trials evaluating the impact of hypertensive medications and blood pressure control on the progression of PKD. Dr. Abebe also oversees statistical cores of several comparative-effectiveness studies in gestational diabetes and adolescent medicine. In addition, he is the founding director of the Center for Clinical Trials & Data Coordination, created to standardize the design, conduct, and analysis of RCTs.

Study Sections

- Ad Hoc Reviewer, Special Emphasis Panel ZDK1 GRB-C (O1), Multi-center Clinical Study Implementation Planning Grants (U34), NIDDK, June 2020

Advisory Committee Memberships and Leadership Positions

- Director, Center for Clinical Trials and Data Coordination, 2015-present
- Director, Center for Research on Health Care Data Center, 2018-present
- Member, Membership Committee, Society for Clinical Trials, 2019-present
- Member, External Advisory Board, NINDS Clinical Trials Methodology Course, 2019-present
- Board Member, Society for Clinical Trials, 2020-2024
- Member, Data and Safety Monitoring Board, Fertility and Infertility Branch, National Institute of Child Health and Human Development, 2020-present
- Member, Data and Safety Monitoring Board, Patient-Centered Outcomes Research Institute (PCORI), 2020-present
- Member, Multidisciplinary Advisory Committee, Clinical Research Scholars Program (KL2), Institute for Clinical Research Education, University of Pittsburgh School of Medicine, 2020-present

Professional Affiliations and Society Memberships

- Member, American Statistical Association, 2004-present
- Member, Society for Clinical Trials, 2010-present

Editorships

- Ad hoc Reviewer, *Journal of the Society for Clinical Trials*, 2011-present
- Member, Statistical Editorial Board, *Journal of the American Society of Nephrology*, 2018-present

Andrew D. Althouse, PhD

Dr. Althouse received a Bachelor's of Science in Statistics from Carnegie Mellon University in 2008 before moving to the University of Pittsburgh for post-graduate study. He earned a Master's degree in Applied Statistics in 2010 en route to a doctoral degree in Epidemiology at the Graduate School of Public Health in August 2013, authoring cardiovascular outcomes papers from the multicenter, international BARI 2D clinical trial as part of his graduate work. Dr. Althouse began his post-graduate career as a faculty statistician for Magee Womens Research Institute from 2013-2015, then served in a similar capacity at the UPMC Heart and Vascular Institute from 2015-2018 before he was recruited to the Center for Research on Health Care in August 2018. Dr. Althouse has presented work at national meetings of the American Diabetes Association, American Heart Association, American

Statistical Association, and International Biometrics Society as well as co-authoring over 100 published manuscripts in peer-reviewed journals across various specialties, including cardiovascular disease, diabetes, exercise, maternal & child health.

Study Sections

- Exploratory Clinical Trials of Mind and Body Interventions (R34 and U01), December 2019 and March 2020

Advisory Committee Memberships and Leadership Positions

- Vice Chair, American Heart Association Statistics Task Force, 2018-present
- Professional Affiliations and Society Memberships
- Member, American Heart Association, 2011-present
- Member, American Diabetes Association, 2011-present
- Member, American Statistical Association, 2015-present

Editorships

- Reviewer, Multiple journals (*Circulation*, *BMJ Open*, *Circulation: Cardiovascular Quality & Outcomes*, *Clinical Trials*, *Contemporary Clinical Trials*, *American Journal of Respiratory and Critical Care Medicine*, *Critical Care Medicine*, *Trials*), 2016-present
- Deputy Statistical Editor, *Journal of Thoracic and Cardiovascular Surgery*, 2018-present
- Statistical Editor, *Circulation: Cardiovascular Interventions*, 2018-present

Major Lectureships and Seminars

- Presenter, US Food and Drug Administration, Cardiac Safety Research Consortium Cardiogenic Shock Think Tank, Washington, DC, July 2019
- Presenter, Transcatheter Cardiovascular Therapeutics Cardiovascular Research Foundation, San Francisco, CA, September 2019
- Editorial Response and Panel Discussant, Critical Care Reviews, Belfast, Northern Ireland, January 2020
- Presenter, US Food and Drug Administration, Cardiac Safety Research Consortium Cardiogenic Shock Think Tank, National Harbor, MD, February 2020
- Presenter, Cardiovascular Revascularization Therapeutics, National Harbor, MD, February 2020

Eric J. Anish, MD

Dr. Anish precepts medical students and residents in an outpatient, primary care medicine practice. He also serves as a teaching attending on a general internal medicine, hospitalist service. He is heavily involved in teaching medical students the fundamentals of the adult physical examination, as well as teaching medical students, residents, and practicing physicians how to perform arthrocentesis and joint/soft tissue injections.

Study Sections

- Judge, Clinical Vignette Virtual ePoster Competition, American College of Physicians, May 2020

Advisory Committee Memberships and Leadership Positions

- Director, Pittsburgh Public High School Football Program, UPMC Center for Sports Medicine, Pittsburgh, Pennsylvania, 2010-present
- Member, Atlantic-10 Conference COVID-19 Medical Advisory Committee, 2020-present
- Member, Duquesne University Athletics COVID-19 Task Force, 2020-present

Professional Affiliations and Society Memberships

- Fellow, American College of Physicians
- Fellow, American College of Sports Medicine
- Member, American Medical Society for Sports Medicine

Editorships

- Ad Hoc Reviewer, *Current Sports Medicine Reports*, 2018-present

Major Lectureships and Seminars

- Workshop Presenter, American College of Physicians, Annual Session (Canceled), Los Angeles, CA, April 2020
- Presenter, Primary Care Sports Medicine, Grand Rounds, Pittsburgh, PA, June 2020

Honors and Awards

- Awardee, Chief's Distinction Award, Division of General Internal Medicine, Department of Medicine, University of Pittsburgh School of Medicine, Pittsburgh, PA, September 2019

Robert M. Arnold, MD

Dr. Arnold focuses on how clinicians operationalize ethical precepts in the care of seriously ill patients. He works at the interface of communication skills training, medical ethics, and palliative care, all in an effort to improve clinicians' skills. Current research focuses on teaching palliative care communication skills to clinicians using both face-to-face courses and new technologies and on understanding the impact of these educational interventions. He also works with junior investigators to better understand the impact of primary palliative care interventions in oncology and cardiology. Finally, Dr. Arnold is interested in studying health system-wide interventions to improve seriously ill patients' and families' experiences.

Advisory Committee Memberships and Leadership Positions

- Advisory Board, Pittsburgh Schweitzer Fellows Program, 1997-present
- Assistant Medical Director, Palliative Care Institute for Quality and Medical Management, UPMC Health System, 1997-present
- Member, Board of Trustees, American Board of Hospice and Palliative Medicine, 2001-present
- Co-Director, UPCI Behavioral Medicine, Section of Palliative Care (Pain, Rehabilitation and Supportive Care), 2002-present
- Director, Institute for Doctor-Patient Communication, 2002-present
- Affiliate Faculty, Center for Healthcare Equity Research and Promotion, 2003-present
- Advisory Committee Member, American Academy of Hospice and Palliative Medicine, 2005-present
- Advisory Committee Member, Children's Hospital Supportive Care Program, 2005-present
- Director, Institute to Enhance Palliative Care, 2009-present
- Chief Medical Officer, Palliative and Supportive Institute, UPMC Health System, 2010-present
- Member, National Fast Fact Peer Review Committee, 2010-present
- Member, American Academy of Hospice and Palliative Medicine Clinical Quality Measures Working Group, 2017-present

Professional Affiliations and Society Memberships

- Member, University of Pittsburgh Cancer Institute, Clinical Investigation Unit; Bio behavioral Program, 1998-present
- Member, Midwest Bioethics Center, 1998-present
- Member, Hospice and Palliative Care Interest Group, American Society of Bioethics and Humanities, 1998-present
- Fellow, American College of Physicians, 2008-present

Editorships

- Editorial Board Member, *Journal of Palliative Medicine*, 1997-present
- Editorial Board Member, *Supportive Care in Cancer*, 2008-present
- Editorial Board Member, *Annals of Palliative Medicine*, 2013-present
- Editorial Board Member, *Pain Studies and Treatment*, 2013-present

- Associate Editor, Editorial Board, *Fast Facts and Concepts*, 2014-present
- Topic Co-Editor, *Up-to-Date Palliative Care*, 2016-present
- Associate Editor-in-Chief, *PC-FACS* (Fast Article Critical Summaries for Clinicians in Palliative Care), 2016–present

Major Lectureships and Seminars

- Lecturer, Pediatric GI Grand Rounds, Pittsburgh, PA, August 2019
- Lecturer, VitalTalk Conference, Boston, MA, September 2019
- Lecturer, Washington University, Surgical Grand Rounds and Lucas Lecture, St. Louis, MO, September 2019
- Lecturer, University of Pittsburgh, Academy of Master Educators, October 2019
- Lecturer, National SWOG (Cancer Research Network), Chicago, IL, October 2019
- Lecturer, Auria Health, Snellville, GA, November 2019
- Lecturer, Family Hospice Palliative Care Conference, Altoona, PA, November 2019
- Lecturer, University of Pittsburgh, Geriatrics Case Conference, November 2019
- Lecturer, Stanford University, December 2019
- Lecturer, University of Pittsburgh, Anesthesia Conference, February 2020
- Lecturer, Morehouse University, February 2020
- Keynote Speaker, Association of Pulmonary and Critical Care Medicine Program Directors (APCCMPD), Annual Conference, Virtual, March 2020
- Lecturer, Pittsburgh Geriatrics Society, March 2020
- Lecturer, National Presentation for the Coalition of Compassionate Care of California, April 2020
- Lecturer, Jewish Healthcare Foundation, April 2020
- Lecturer, Regional Presentation for Student National Medical Association (SNMA), April 2020
- Lecturer, Association of American Medical Colleges, May 2020
- Lecturer, University of Puerto Rico, May 2020
- Lecturer, Rutgers University, Grand Rounds, May 2020
- Lecturer, Brown Medical Community, June 2020

Honors and Awards

- Fellow, Hastings Center, 2019
- Excellence in Leadership, Dr. Loren Roth Quality and Patient Safety Awards, 2020
- Awardee, Who's Who in the World, 2017-present

Amar Deep Bansal, MD

Dr. Bansal's research interests include communication strategies, directed interventions, and epidemiology of patients with advanced CKD who opt for renal supportive care. He is also interested in decision-making related to dialysis initiation.

Editorships

- Reviewer, Multiple journals (*International Journal of Palliative Nursing*, *Clinical Journal of the American Society of Nephrology*), 2018-present

John R. Blosnich, PhD, MPH

Dr. Blosnich's research areas of expertise include interpersonal and self-directed violence among lesbian, gay, bisexual, and transgender (LGBT) individuals. His program of health equity research at the VA focuses on LGBT veterans, with specific attention to suicide prevention and examining ways that patients' social determinants of health data can be integrated into adaptive health care systems. His 5-year VA Health Services Research & Development Career Development Award is the first to study transgender health nationally across the VA.

Editorships

- Reviewer, Multiple journals (*The Lancet*, *BMC Psychiatry*, *the American Journal of Public Health*), 2018-2019

Eliana Bonifacino, MD

Dr. Bonifacino's academic focus is on teaching medical students and residents about clinical reasoning and medical decision making. As one of the medical directors of the local Birmingham Free Clinic, another focus of hers is on caring for underserved populations.

Study Sections

- Abstract Reviewer, Annual Department of Medicine Research Day, University of Pittsburgh School of Medicine, 2020

Advisory Committee Memberships and Leadership Positions

- Member, UPMC Clinical Center for Medical Decision-Making Education Leadership Committee, 2016-present
- Member, Diversity Committee, UPMC Internal Medicine Residency Program, 2016-present
- Prospective Candidate Interviewer, University of Pittsburgh Medical Center, Internal Medicine Residency, 2017-present
- Co-Medical Director, Birmingham Free Clinic, 2018-present
- Faculty Advisor, Internal Medicine Interest Group, University of Pittsburgh School of Medicine, 2018-present
- Member, Diversity Advisory Council, University of Pittsburgh School of Medicine, 2018-present
- Selected Co-Chair, Education Committee, Society to Improve Diagnosis in Medicine (SIDM), 2019-present



Photo

Dr. Bonifacino was the 2020 recipient of the Sheldon Adler Award for Innovation in Medical Education.

Professional Affiliations and Society Memberships

- Member, Society of General Internal Medicine, 2015-present
- Member, Alliance for Academic Internal Medicine, 2015-present
- Member, Society to Improve Diagnosis in Medicine, 2018-present

Major Lectureships and Seminars

- Clinical Educator Pre-Course Presenter, Mid Atlantic Regional Society of General Internal Medicine, Conference, Pittsburgh, PA, November 2019
- Workshop Pre-Course Presenter, Diagnostic Error in Medicine, 12th Annual International Conference, Washington, DC, November 2019
- Invited Presenter, University of Pittsburgh School of Medicine, Office of the Vice Dean, Academy of Master Educators Faculty Development Series, June 2020

Honors and Awards

- Sheldon Adler Award for Innovation in Medical Education, University of Pittsburgh School of Medicine, 2020

Sonya A. Borrero, MD, MS

Dr. Borrero's work strives to advance reproductive health equity. Her research has been funded by NIH, VA, and foundation grants and has focused on understanding multilevel influences on contraceptive and pregnancy decision making in marginalized populations in order to identify targets for social, clinical, and policy interventions that will decrease people's risk for undesired pregnancy and that will augment reproductive autonomy. Her current projects include optimizing pre-pregnancy and contraceptive care provision within the VA Healthcare System; developing patient-centered digital tools to support women's reproductive decision making and facilitate provider provision of family planning care; and advancing understanding of how social and structural factors and inequalities shape and constrain low-income men's and women's reproductive agency, intentions, and behaviors.

Study Sections

- Reviewer, Society of Family Planning Research Fund Grant Review Committee, 2020
- Standing Member, NIH Study Section, Health, Behavior, and Context, NICHD, 2016-present
- Expert Reviewer, Continuous Identification of Research Evidence System, Department of Reproductive Health and Research, World Health Organization, 2018-present

Advisory Committee Memberships and Leadership Positions

- Leader, Disparities Workgroup, VA Women's Health Research Consortium, VA Health Services Research and Development (HSR&D) Service, 2012-present
- Member, Board of Directors, Society of Family Planning, 2013-2019
- Co-Chair, Scientific Committee, Meeting of the North American Forum on Family Planning, 2014-2019
- Member, Adagio Health Medical Standards Committee, 2014-2019
- Director, Center for Women's Health Research and Innovation, Center for Research on Health Care, 2014-present
- Member, Advisory Council, New Voices Pittsburgh, 2015-present
- Founding Member, Reproductive Bridges Coalition, 2016-present
- Site Co-Leader, VA Women's Health Practice-Based Research Network, VA HSR&D Service, 2016-present
- Member, External Advisory Board, Center for Reproductive Health Research in the SouthEast, 2017-present
- Member, Intentionality Steering Committee, National Campaign to Prevent Teen and Unplanned Pregnancy, 2017-present
- Member, Research Advisory Committee, Power to Decide, 2017-present
- Associate Director, Center for Health Equity Research and Promotion (CHERP), VA Pittsburgh Healthcare System, 2018-present
- Member, Board of Directors, Health Careers Future, Jewish Healthcare Foundation, 2018-present
- Member, Regional Advisory Committee, Women's Health Activist Movement Global, Jewish Healthcare Foundation, 2018-present
- Member, Pennsylvania Maternal Mortality Review Committee, Pennsylvania Department of Health, 2018-present
- Member, Technical Expert Panel, Gulf War and Health, Office of Patient Care Services, Department of Veterans Affairs, 2019
- Member, Technical Expert Panel, Review of a draft label for over-the-counter combined oral contraception pill, Oral Contraception Over-the-Counter (OCs OTC) Working Group, Ibis Reproductive Health, 2019-present
- Member, Mid-Career Mentoring Award Selection Committee, Society of General Internal Medicine, 2020
- Member, Board for Women's Law Project, 2020-present
- Member, Technical Expert Panel, Review of Contraceptive Care, Pacific Northwest Evidence-based Practice Center, Oregon Health & Science University, 2020-present

Professional Affiliations and Society Memberships

- Member, Society of General Internal Medicine, 2004-present
- Member, Society of Family Planning, 2008-present

Major Lectureships and Seminars

- Panelist, American College of Obstetricians and Gynecologists (ACOG), Contraceptive Access Conference, District VII Annual Meeting, New Orleans, LA, September 2019
- Speaker, Department of Healthcare Policy and Research, Weil Cornell Medicine, Grand Rounds (Canceled), New York, NY, April 2020
- Speaker, Pennsylvania Perinatal Quality Collaborative, Webinar Series, June 2020

Honors and Awards

- Beacon of Science Award, Society of Family Planning, 2020
- Excellence in Government Gold Award in Outstanding Contribution to Science, Pittsburgh Federal Executive Board, 2020

Robert C. Brooks, MD, PhD

Advisory Committee Memberships and Leadership Positions

- Peer Reviewer, Case Reviews for Quality Improvement, VA Pittsburgh Healthcare System, 2001-present
- Member, Peer Review Committee, VA Pittsburgh Healthcare System, 2012-present
- Member, National VA Inter-professional Academic PACT Workgroup, 2014-2019

Thuy D. Bui, MD

Dr. Bui's research is on global health workforce and training and interventions to address social determinants of health.

Study Sections

- Chair, Innovations in Medical Education, Program Committee, Society of General Internal Medicine Annual Meeting, 2020
- Abstract Reviewer, Society of General Internal Medicine, 2010-present
- Abstract Reviewer, Consortium of Universities for Global Health, 2011-present

Advisory Committee Memberships and Leadership Positions

- Member, Academy of Master Educators, UPSOM, 2009-present
- Member, Gold Humanism Honor Society Advisory Council, 2014-2019
- Co-Chair, Reflection in Global Health Essay Contest Oversight Committee, Consortium of Universities for Global Health, 2014-present
- Director, Social Medicine Fellows Program, UPSOM, 2018-present
- Member, PUH Medicine Quality & Safety Committee, 2019-present
- Theme Leader, Social Medicine, Curriculum Committee, UPSOM, 2019-present
- Co-Director, Area of Concentration in Global Health/Underserved Populations, UPSOM
- Director, Global Health and Underserved populations Track, Internal Medicine Residency, UPMC

Professional Affiliations and Society Memberships

- Fellow, American College of Physicians, 1997-present
- Member, Society of General Internal Medicine, 2001-present
- Member, Association of Program Directors in Internal Medicine, 2007-present

Editorships

- Reviewer, *Malawi Medical Journal*, 2015-present
- Editor, *The Social Medicine Case Collection*, UPSOM, 2018-present

Major Lectureships and Seminars

- Invited Panelist, University of Pittsburgh, Dawn Gideon Lecture and Webcast, November 2019

Honors and Awards

- Fred Crock Award for Humanism in Medicine, Internal Medicine Residency, UPMC, 2020

Hailey W. Bulls, PhD

Broadly, Dr. Bulls' current research focuses on 1) mitigating the impact of opioid stigma on cancer patients with pain; 2) early identification cancer patients at risk for pain and neuropathy, with an emphasis on health equity; and 3) novel behavioral interventions to better manage pain. She was recently selected for the Clinical and Translational Science Scholars Program (KL2) in support of this research. Dr. Bulls also evaluates experimental models of pain sensitivity and modulation using

actigraphy and quantitative sensory testing.

Study Sections

- Reviewer, Canadian Pain Society, Early Career Investigator Pain Research Grant Program, February 2020

Advisory Committee Memberships and Leadership Positions

- Member, Website and Communication Working Group, United States Association for the Study of Pain (US ASP), 2019-present
- Member, Organizing Committee, United States Association for the Study of Pain (US ASP), 2019-present
- Associate Director, Challenges in Managing and Preventing Pain (CHAMPP) Research Center, University of Pittsburgh, 2020-present

Professional Affiliations and Society Memberships

- Member, International Association for the Study of Pain, 2018-present
- Member, Society for Behavioral Medicine, 2019-present
- Member, United States Association for the Study of Pain, 2020-present

Editorships

- Ad hoc Reviewer, Multiple journals (*Pain Medicine*, *Annals of Behavioral Medicine*, *Journal of Pain Medicine*), 2020-present

Peter D. Bulova, MD

Among Dr. Bulova's research interests are Down syndrome and Alzheimer's disease, improving the quality of life for adults with special needs, and improving the quality of outpatient medical education.

Advisory Committee Memberships and Leadership Positions

- Member, Transitional Care for Youth with Chronic Disease Interest Group, Society of General Internal Medicine, 2011-present
- Member, International Medical Graduates Interest Group, Society of General Internal Medicine, 2011-present
- Member, National Down Syndrome Medical Interest Group, 2011-present
- Member, National Down Syndrome Registry Operations Board, National Institutes of Health, 2013-present
- Member, Executive Council, National Down Syndrome Medical Interest Group (Member since 2011), 2016-present
- President, Down Syndrome Medical Interest Group – USA, 2018-2020

Professional Affiliations and Society Memberships

- Member, Society of General Internal Medicine
- Member, Down Syndrome Medical Interest Group – USA

Major Lectureships and Seminars

- Speaker, Department of Physical Therapy, Grand Rounds, November 2019
- Invited Speaker, National Down Syndrome Congress House Call, Webinar, May 2020
- Invited Speaker, American Academy of Developmental Medicine and Dentistry, National Symposium, Virtual, June 2020
- Invited Lecturer, Down Syndrome Medical Interest Group – USA, Annual Symposium, Virtual, June 2020
- Lecturer, Down Syndrome Medical Interest Group – USA, Annual Symposium, Virtual, June 2020
- Panel Moderator, Down Syndrome Medical Interest Group – USA, Annual Symposium, Virtual, June 2020
- Work Group Facilitator/Moderator, Down Syndrome Medical Interest Group – USA,

Annual Symposium, Virtual, June 2020

Honors and Awards

- Honoree, Pittsburgh's Best Doctors, *Pittsburgh Magazine*, 2020
- Excellence in Patient Experience Award, UPMC, February 2020
- Local Hero Award, American Academy of Developmental Medicine and Dentistry (AADMD), June 2020

Gregory M. Bump, MD

Dr. Bump focuses on medical education, patient safety, and quality improvement.

Advisory Committee Memberships and Leadership Positions

- Member, United States Medical Licensing Examination Patient Safety Test Material Development Committee, 2018-2022

Editorships

- Journal Reviewer, Multiple journals (*Academic Medicine*, *Journal of General Internal Medicine*, *Journal of Patient Safety*), 2012-2020

Major Lectureships and Seminars

- Presenter, UPMC, SCHOLAR Conference, Pittsburgh, PA, September 2019
- Workshop Presenter, National Resident Matching Program (NRMP), National Meeting, Chicago, IL, October 2019

Raquel A. Buranosky, MD, MPH

Dr. Buranosky investigates the areas of domestic violence screening, women's health, medical education, and curriculum development. Along with publishing and mentoring others in this area, she also is a member of the Medical Education Research Committee in the Division of General Internal Medicine, which reviews and approves research proposals for funding. Dr. Buranosky has been a Schweitzer fellow mentor to many medical students in the area of underserved women's health.

Advisory Committee Memberships and Leadership Positions

- Affiliated Faculty, Promotions and Appointments Committee, UPSOM
- Assistant Dean, Clinical Education, University of Pittsburgh School of Medicine
- Chair, COVID Transition Year Subcommittee, University of Pittsburgh School of Medicine
- Chair, Teaching Telemedicine Taskforce, UPSOM
- Chair, Clinical Evaluations Subcommittee, UPSOM
- Director, Internal Medicine Advisory Program
- Medical Director, Women's Center and Clinic for the Program for Healthcare to Underserved Populations
- Member, Curriculum Committee Executive Committee, UPSOM
- Member, Curriculum Committee Quality Improvement Committee, UPSOM

Professional Affiliations and Society Memberships

- Member, Society for General Internal Medicine
- Member, American College of Physicians
- Member, Association of Program Directors for Internal Medicine
- Member, Clerkship Directors of Internal Medicine

Editorships

- Ad hoc reviewer, Multiple journals (*Journal of General Internal Medicine*, *Journal of Women's Health*, *Journal of Graduate Medical Education*)

Andrea E. Carter, MD, MS

Dr. Carter has presented nationally and published work in a variety of different content areas

including medical education, women's health, chronic pain, and opioid use disorder.

Advisory Committee Memberships and Leadership Positions

- Co-Facilitator, Division of General Internal Medicine Faculty Case Conference Monthly Series, University of Pittsburgh, 2018-present

Major Lectureships and Seminars

- Speaker, Academy of Master Educators, Seminar Series, January 2020
- Workshop Presenter, Academic Internal Medicine Week, April 2020 *Cancelled due to COVID-19 pandemic*
- Workshop Presenter, Society of General Internal Medicine, May 2020 *Cancelled due to COVID-19 pandemic*
- Workshop Presenter, Society of General Internal Medicine, May 2020 *Cancelled due to COVID-19 pandemic*
- Speaker, Department of Medicine Grand Rounds, University of Pittsburgh, May 2020

Honors and Awards

- Outstanding Teaching Attending Award, Department of Medicine Residents, University of Pittsburgh Medical Center, 2020

(Joyce) Chung-Chou H. Chang, PhD

Dr. Chang has a wide range of interests in theoretical and applied statistics, including time-to-event (survival) and longitudinal data analysis, missing data (competing risks and informative dropout), causal effect modeling, design and analysis of observational studies and clinical trials, design and analysis of studies of biomarkers in risk prediction, dynamic prediction, and machine learning techniques. She has served as the lead statistician on numerous research projects and has been the statistical mentor for several K-awardees. In these roles, she has helped investigators throughout the University develop new research protocols and data analysis plans for a wide range of biomedical studies and has overseen the data management and analyses of these studies. Rather than limiting her role to applying traditional statistical methodology to projects, Dr. Chang actively encourages and promotes the use of the most up-to-date appropriate statistical methods. She has applied these methods to a wide range of investigations, including research on aging, HIV/AIDS and other infectious diseases, heart diseases, liver transplantation, health services research, and acute illness.

Advisory Committee Memberships and Leadership Positions

- Director, CRISMA Biostatistical and Data Management Core (BDMC), University of Pittsburgh, 2014-present
- Member, CRISMA Executive Management Committee, Department of Critical Care Medicine, University of Pittsburgh, 2014-present
- Member, Board of Directors, International Chinese Statistical Association, 2018-2020
- Member, Data Safety and Monitoring Board (DSMB) member, "Phase II Trial to Evaluate Safety, Immunogenicity, and Effect on Infant Immune Responses of a Single Dose of Tdap Administered to Pregnant Women in Africa.", 2018-present
- Member, Data Safety and Monitoring Board (DSMB) member, "MINDSpeed Food and Brain Training RCT.", 2018-present
- Member, Data Safety and Monitoring Board (DSMB) member, "A Randomized Single Blind Safety and Efficacy Study of TOL-463 Vaginal Gel or Insert in the Treatment of Vaginitis.", 2018-present
- Member, Data Safety and Monitoring Board (DSMB) member, "A Randomized, Double-Blind, Place-Controlled Study With an Open-Label Extension to Evaluate the Efficacy and Safety of Avatrombopag for the Treatment of Chemotherapy-Induced Thrombocytopenia in Subjects With Active Non-Hematological Cancers.", 2018-present
- Member, Data Safety and Monitoring Board (DSMB) member, "A Phase II Double-Blind Trial to Evaluate the Safety, Immunogenicity and Effect on Infant Immune Responses of a

- Single Dose of Tdap in Pregnant Women in Mali.", 2018-present
- Chair, Statistics in Epidemiology (SIE) Mentoring Committee, American Statistical Association, 2020-present
- Member, Data Safety and Monitoring Board (DSMB) member, "Home Based Rehabilitation for COPD.", 2020-present

Professional Affiliations and Society Memberships

- Member, American Statistical Association (ASA), 1990-present
- Member, International Chinese Statistical Association (ICSA), 1993-present
- Member, International Biometric Society, Eastern North American Region (ENAR), 1995-present
- Member, Society for Clinical and Translational Science (SCTS), 2009-present

Major Lectureships and Seminars

- Presenter, Center for Research on Health Care, University of Pittsburgh, Health Service Research Seminar Series, Pittsburgh, PA, September 2019

Honors and Awards

- Fellow, American Statistical Association, 2020

Julie Wilson Childers, MD, MS

Dr. Childers's research interests are teaching communication and opioid prescribing for patients with a history of addiction.

Advisory Committee Memberships and Leadership Positions

- Medical Director, Supportive and Palliative Consultation Service, Presbyterian University Hospital, 2013-present
- Director and Master Facilitator, Pittsburgh Academy of Serious Illness Communication Coaching, 2019-present

Professional Affiliations and Society Memberships

- Member, American Academy of Hospice and Palliative Medicine, 2008-present
- Member, Motivational Interviewing Network of Trainers, 2012-present
- Member, Association for Multidisciplinary Education and Research in Substance use and Addiction, 2017-present
- Member, American Society of Addiction Medicine, 2018-present

Editorships

- Reviewer, Multiple journals (*Patient Education and Counseling*, *Journal of Pain and Symptom Management*, *Journal of General Internal Medicine*), 2018-present

Major Lectureships and Seminars

- Presenter, UPMC Addiction Medicine, Grand Rounds, March 2020
- Workshop Presenter, American Society of Addiction Medicine, National Meeting, Virtual, April 2020

Honors and Awards

- Emerging Leader in Hospice and Palliative Medicine, American Academy of Hospice and Palliative Medicine, 2019
- Hastings Cuniff Dixon Physician Award, The Hastings Center, 2020



Photo

In 2020, the Hastings Center presented Dr. Childers with the Hastings Cuniff Dixon Physician Award due to her exemplary patient care.

Kar-Hai Chu, PhD

Dr. Chu's primary research focus is applying innovative methods in technology and data science to improve various health outcomes. His work includes public health surveillance, mobile health interventions, and studying big data online. Dr. Chu's expertise in social network analysis compliments

his research through understanding the use of social media and how relationships can be affected to improve health outcomes. His current projects are focused on cancer surveillance and tobacco control. Dr. Chu is funded by an NIH/NCI K07 Career Development Award to integrate patient-centered research, smartphone apps, and social network analysis to improve tobacco cessation.

Advisory Committee Memberships and Leadership Positions

- Co-Chair, Network Analysis of Digital and Social Media Minitrack, Hawaii International Conference on System Sciences (HICSS) Conference, 2017-present
- Member, Chancellor's Committee on Health and Well-being, 2019-present
- Member, Pitt General Internal Medicine Recruitment Committee, 2019-present
- Professional Affiliations and Society Memberships
- Member, International Network for Social Network Analysis
- Member, American Public Health Association
- Member, Society for Adolescent Health and Medicine
- Member, Society for Research on Nicotine and Tobacco
- Member, Society for Behavioral Medicine

Major Lectureships and Seminars

- Keynote Speaker, RAZE Youth (American Lung Association), Charleston, WV, October 2019
- Presenter, Mon Valley Providers Council, McKeesport, PA, October 2019
- Presenter, Westmoreland County School Nurses Association, Greensburg, PA, November 2019
- Presenter, Pennsylvania Cancer Control, Prevention, and Research, Harrisburg, PA, December 2019
- Presenter, Riverview School District, Oakmont, PA, January 2020

Rene N. Claxton, MD, MS

Dr. Claxton's education interest focuses on teaching communication skills and training others to teach communication.

Advisory Committee Memberships and Leadership Positions

- Member, Accreditation, Review and Quality Sub-Committee, UPMC Graduate Medical Education Committee, 2017-present
- Senior Associate, Vital Talk, Faculty Development National Retreats, 2019-2020

Professional Affiliations and Society Memberships

- Member, American Association of Hospice and Palliative Medicine, 2008-present

Tara E. Cook, MD

Dr. Cooks research interests include teaching communication skills, application of palliative care and communication skills in neurology, and employment of communication skills to address patients' religious concerns and distress.

Advisory Committee Memberships and Leadership Positions

- Subspecialty Education Coordinator, Section of Palliative Care and Medical Ethics, Division of General Internal Medicine, University of Pittsburgh School of Medicine, 2018-present

Professional Affiliations and Society Memberships

- Member, University of Maryland Medical Alumni Association, 2006-present
- Member, American Academy of Neurology, 2007-present
- Member, American Academy of Hospice and Palliative Medicine, 2016-present

Editorships

- Reviewer, *Journal of Supportive Care in Cancer*, 2018-present

- Major Lectureships and Seminars
- Workshop Presenter, American Academy of Neurology, 2020 Annual Meeting (Canceled), Toronto, CA, 2020
- Oral Presenter, Neuro-palliative Care Summit, April 2020

Honors and Awards

- Educator of the Year, UPMC Section of Palliative Care and Medical Ethics, 2020

Jennifer A. Corbelli, MD, MS

Dr. Corbelli has presented nationally and published work in a variety of research content areas, including systematic review, medical education research such as curriculum development and evaluation, and women's health. In addition, she continues to actively mentor residents and fellows in their own research and education projects.

Study Sections

- Abstract Reviewer, Society of General Internal Medicine, 2014-present
- Abstract Reviewer and Judge, University of Pittsburgh Medical Education Day, 2016-present
- Abstract Reviewer and Judge, Department of Medicine Annual Research Day, 2016-present
- Abstract Reviewer, Judge, Poster Tour Discussant, Regional Society of General Internal Medicine, 2019

Advisory Committee Memberships and Leadership Positions

- Member, Women's Health Education Interest Group, Society of General Internal Medicine, 2014-present
- Program Director, University of Pittsburgh Medical Center Internal Medicine Residency, 2016-present
- Co-Medical Director, Birmingham Free Clinic, 2018-present

Professional Affiliations and Society Memberships

- Fellow, American College of Physicians, 2017-present
- Member, Society of General Internal Medicine
- Member, Association of Program Directors in Internal Medicine

Major Lectureships and Seminars

- Invited Speaker, Regional Society of General Internal Medicine, Annual Meeting, Pittsburgh, PA, November 2019

Honors and Awards

- Finalist, Hamolsky Award, Society of General Internal Medicine Annual Meeting,
- Nominee, Frederick L. Brancati Mentorship and Leadership Award, Society of General Internal Medicine

Esa M. Davis, MD, MPH

Dr. Davis is an NIH-funded clinical researcher with a patient-oriented research program focused on obesity-related maternal and child health outcomes and in comparative effectiveness research in obesity and tobacco. Much of her work has focused on understanding the development of obesity in women. She has contributed to the field specifically by investigating the perinatal, cultural, and behavioral factors associated with the racial and socioeconomic disparities in obesity among women that have persisted for decades. She published a novel conceptual framework that has been highly cited to help guide the testing of hypotheses associated weight change during pregnancy and the long-term development of obesity and related disparities. Dr. Davis has contributed new analytic methods in investigating pregnancy-factors associated with the development of maternal obesity and related outcomes. She is currently the principal investigator of a NIH-funded randomized controlled trial titled, "Comparison of Two Screening Strategies for Gestational Diabetes, GDM2

Study," which aims to examine differences in perinatal outcomes of women randomized to two screening/diagnostic strategies for gestational diabetes. She has also conducted studies that investigate the association between obesity and cardiac recovery and remodeling in women with postpartum cardiomyopathy. Dr. Davis also investigates the reduction reducing risk factors such as hypertension, obesity, smoking and patient attitudes associated with cardiovascular disease. She is currently a co-investigator on three NIH/FDA-funded randomized control trials that are studying effective strategies for treating hospitalized smokers and evaluating new nicotine standards for cigarettes.

Study Sections

- Reviewer, NIH Study Section, Infectious, Reproductive, Asthma and Pulmonary Conditions Study Section (IRAP), Bethesda, MD, November 2019
- Reviewer, NIH/NHLBI Study Section, R03 Special Emphasis Panel, April 2020

Advisory Committee Memberships and Leadership Positions

- Member, Selection Committee, Amy Roberts Health Promotion Research Award, 2011-present
- Member, Diversity Advisory Group, University of Pittsburgh School of Medicine, 2016-present
- Board Member, American Heart Association, Greater Pittsburgh Region, 2017-present
- Member, National Research Committee of the American Heart/American Stroke Association, Dallas, TX, 2018-present
- Board Member, American Heart Association-Greater Pittsburgh Affiliates, 2018-present
- Member, Research Committee, American Heart/American Stroke Association, 2018-present
- Chair, Chancellors Ad Hoc Committee for Health and Wellbeing, 2019-present
- Member, Deans Rapid Response Advisory Task Force, 2020-present

Professional Affiliations and Society Memberships

- Member, American Academy of Family Physicians, 1993-present
- Diplomat, American Board of Family Physicians, 2000-present
- Member, PA Academy of Family Physicians, 2010-present
- Member, Gateway Medical Society, 2010-present
- Fellow, American Academy of Family Physicians, 2012-present
- Premium Professional Member, American Heart/Stroke Association, 2019-present
- Member, Association for Clinical and Translational Science, 2019-present

Editorships

- Reviewer, Multiple journals (*Annals of Family Medicine*, *Annals of Internal Medicine*, *American Journal of Public Health*, *Maternal Child Health Journal*, *Journal of Women's Health*, *Journal of General Internal Medicine*, *Nicotine and Addiction*), 2009-present

Major Lectureships and Seminars

- Invited Speaker, Comprehensive Wound Care Symposium, 6th Annual, Pittsburgh, PA, September 2019
- Invited Speaker, Advances in Cardiovascular Care Symposium, 6th Annual, Pittsburgh, PA, October 2019
- Co-Presenter, Society of General Internal Medicine Mid-Atlantic, Regional Conference, Pittsburgh, PA, November 2019
- Panelist, American Heart Association, Webinar on Race and Health, June 2020

Allison S. DeKosky, MD

Dr. DeKosky's academic efforts are diverse, and span quality improvement, medical education, health policy/advocacy, and the cultivation of leadership skills in medical students, residents, and faculty. She is co-director of an Integrated Life Sciences elective in the medical school called Changing

Science, Changing Society, which focuses on skills surrounding physician advocacy and social determinants of health in a rapidly changing scientific and policy landscape. She directs the Hospital Medicine Track for the UPMC General Medicine Academic Clinician-Educator Scholars Fellowship, and has mentored many projects with residents and faculty. She has spearheaded efforts around value metrics and QI initiatives on the inpatient medicine service, including the novel IM-SPARC Fund, which in 2019 allowed the residents to earn a group incentive for meeting hospital quality metrics.

Advisory Committee Memberships and Leadership Positions

- Director, Inpatient Quality Initiatives and Education, DGIM, 2016-present
- Member, Inpatient Medicine Education Committee, UPMC IM Residency Program, 2016-present
- Member, Patient Experiences Committee, Internal Medicine, UPMC PUH Campus, 2016-present
- Creator and Co-Director, Hospitalist “Learners Teachers Leaders” Program, 2017-present
- Member, APP Development Committee, Section of Hospital Medicine, Division of General Internal Medicine, 2017-present
- Member, LEAPS Committee, 2017-present
- Member, UPMC Quality Review Committee, 2017-present
- Director, Hospital Medicine Track, ACES General Medicine Fellowship, UPMC Division of General Internal Medicine, 2018-present
- Faculty Advisor, ACTION Interest Group, UPMC Internal Medicine Residency Program, 2018-present
- Member, LEAD Program Executive Committee, UPMC Internal Medicine Residency Training Program, 2018-present
- Member, Department of Medicine Inpatient Mortality Subcommittee, 2018-present
- Faculty Advisor, SHARP Committee, Pitt SOM, 2019-present
- Faculty Member, Societal Problems Task Force of the Pitt SOM Curriculum Committee, 2020
- Associate Program Director, Quality and Patient Safety, IM Residency Program, 2020-present
- Member, Hospitalist Leadership Council, 2020-present

Professional Affiliations and Society Memberships

- Member, American College of Physicians, 2010-present
- Member, Society of General Internal Medicine, 2010-present
- Member, Society of Hospital Medicine, 2011-present
- Member, Association of Program Directors in Internal Medicine, 2013-present
- Member, Association of Chiefs and Leaders in Internal Medicine, 2018-present
- Member, Pennsylvania Medical Society, 2018-present

Editorships

- Ad hoc Reviewer, *Journal of Hospital Medicine*, 2019-present

Major Lectureships and Seminars

- Presenter, Nazarbayev University Clinical Faculty and NUSOM IM Residency leaders/core faculty, Nur-Sultan, Kazakhstan, July 2019
- Workshop Presenter, UPMC Children’s Hospital of Pittsburgh, Faculty Development Series for Division Chiefs, November 2019

Honors and Awards

- Faculty Award, Alpha Omega Alpha at the University of Pittsburgh School of Medicine, 2019
- Most Valuable Player Award, UPMC Division of General Internal Medicine, 2019

Deborah J. DiNardo, MD, MS

Dr. DiNardo's main research interests center around the development, implementation, and evaluation of curricula for teaching clinical reasoning within both undergraduate and graduate medical education. Dr. DiNardo has presented her work and teaching both locally and nationally. Dr. DiNardo has also developed clinical expertise and presented nationally in the areas of Women's Health, breast cancer screening and risk assessment, and the provision of cancer survivorship care in primary care settings. She formed and directs the VA Pittsburgh Women's Cancer Navigation Team, a multi-disciplinary group with a goal of improving the quality of care received by women veterans with cancer, and secured a \$10,000 grant from the Veterans Research Foundation to support and evaluate these efforts.

Advisory Committee Memberships and Leadership Positions

- Site Leader, VA Pittsburgh, National VA Women's Health Practice-Based Director, Evidence Based Medicine Curriculum, University of Pittsburgh Internal Medicine Residency Program, 2016-present
- Research Network, 2016-present

Professional Affiliations and Society Memberships

- Member, Society of General Internal Medicine, 2013-present
- Fellow, American College of Physicians, 2017-present
- Member, Society to Improve Diagnosis in Medicine, 2019-present

Editorships

- Reviewer, Multiple journals (*American Thoracic Society Scholar*, *Journal of General Internal Medicine*, *Exercises in Clinical Reasoning Series*), 2017-present

Major Lectureships and Seminars

- Presenter, Office of the Vice Dean Academy of Master Educators Seminar Series, University of Pittsburgh, Pittsburgh, PA, May 2020

Honors and Awards

- Awardee, Sheldon Adler Award for Innovation in Medical Education, University of Pittsburgh School of Medicine, 2020
- Awardee, Clinical Educator of the Year Award, University of Pittsburgh School of Medicine, 2020

Anna K. Donovan, MD, MS

Dr. Donovan has extensive experience presenting her work and teaching both locally and nationally. She maintains an interest in medical education research, with current projects in curriculum design, implementation, and evaluation. She recently designed and evaluated a new curriculum teaching interns how to teach, and she has integrated it into a longitudinal residents-as-teachers curriculum for Internal Medicine residents. Additionally, she is involved in medical education research projects related to teaching high-value care and also projects focused on improving inpatient care through educational interventions.

Study Sections

- Abstract Reviewer & Poster Judge, Department of Medicine Research Day, 2019

Advisory Committee Memberships and Leadership Positions

- Member, Internal Medicine Residency Clinical Competency Committee, 2014-present
- Member, Internal Medicine Residency Program Clinical Reasoning Education Committee, 2016-2019
- Associate Program Director, Inpatient Medicine, UPMC Internal Medicine Residency Training Program Inpatient Medicine, UPMC Internal Medicine Residency Training Program, 2016-present
- Chair, Internal Medicine Residency Inpatient Education Committee, Internal Medicine

- Residency Program, 2016-present
- Member, UPMC Presbyterian-Shadyside Patient Experiences Committee, 2016-present
- Member, Internal Medicine Residency Steering Committee, 2016-present
- Member, Boot Camp Course Planning Committee, UPSOM, 2017-2019
- Member, Division of General Internal Medicine Medical Education Steering Committee, 2017-present
- Member, Faculty Reviewer and Selection Committee, University of Pittsburgh School of Medicine Community Service Award, 2018-present
- Member, Multidisciplinary Infection Prevention Education Group for Hospital Medicine, 2018-present
- Course Director, Get Ready for Residency Boot Camp Capstone Course for Fourth Year Medical Students, 2019-present
- Member, General Internal Medicine Inpatient Operations and Quality Committee, 2019-present
- Partner/Liaison, Physician Unit / Montefiore Unit 12 South, UPMC Montefiore/ Presbyterian Hospitals, 2019-present
- Member, Education Committee, Society of Hospital Medicine, 2020-present

Professional Affiliations and Society Memberships

- Member, Alpha Omega Alpha (AOA) Medical Honor Society, 2007-present
- Member, American College of Physicians, 2008-present
- Member, Association of Program Directors in Internal Medicine, 2011-present
- Member, Society of General Internal Medicine, 2012-present
- Member, Society of Hospital Medicine, 2018-present

Editorships

- Ad hoc Reviewer, Multiple journals (*Journal of General Internal Medicine*, *Journal of Hospital Medicine*), 2018-present

Major Lectureships and Seminars

- Presenter, Children's Hospital Pittsburgh, Leadership Excellence Series for Division Chiefs and Chairs in Pediatrics, November 2019
- Workshop Presenter, Society of General Internal Medicine, Mid-Atlantic Regional Meeting, Pittsburgh, PA, November 2019
- Workshop Presenter, Society for Hospital Medicine, Annual Meeting (Canceled), San Diego, CA, April 2020
- Workshop Presenter, Association for Program Directors in Internal Medicine, Annual Meeting, Tampa, FL, April 2020
- Presenter, University of Pittsburgh, Department of Medicine Grand Rounds, Pittsburgh, PA, May 2020

D. Michael Elnicki, MD

Medical education, at both the UGME and GME levels, is the primary focus of Dr. Elnicki's scholarship. He has published on several educational topics that include improving aspects of teaching clinical medicine, early clinical exposures for medical students, assessment issues, improving the learning environment, teaching evidence based medicine skills, providing feedback to learners and teaching telephone medicine skills to residents. He currently is part of programs to develop curricula on pain management issues, to address issues of student mistreatment and improving assessment measures.

Advisory Committee Memberships and Leadership Positions

- Abstract Reviewer, Member, Associate of Medical Education in Europe, 2010-present
- Abstract, Paper Reviewer, Research in Medical Education Committee, Association of American Medical Colleges, 2010-present

- Member, Committee for Review of Internal Medicine Exams, National Board of Medical Examiners, 2017-present

Professional Affiliations and Society Memberships

- Master, American College of Physicians, 2015-present

Editorships

- Deputy Editor, *Journal of General Internal Medicine*, 2013-present
- Reviewer, *Academic Medicine*, 2018-2019

Honors and Awards

- Honoree, Pittsburgh's Best Doctors, *Pittsburgh Magazine*, 2013-2019

Utibe R. Essien, MD, MPH

Dr. Essien is a health services researcher and practicing general internist who conducts research on racial/ethnic health disparities. His specific focus is on the use of novel therapeutics and technologies in the management of chronic diseases and understanding mechanisms by which differences exist in their uptake and diffusion.

As a General Medicine Fellow, Dr. Essien applied innovative methods to study whether racial/ethnic differences exist in the use of novel anticoagulants in patients with atrial fibrillation, including after controlling for patient-level socioeconomic status factors. Additionally, he examined the role of social determinants such as food insecurity and housing instability on patients with diabetes. Currently, Dr. Essien is a Core Investigator in the Center for Health Equity Research and Promotion in the VA Pittsburgh Healthcare System. He is studying patient, provider, and system-level predictors of use of novel treatments in chronic disease management among Veterans. He is also interested in developing patient-centered interventions to increase knowledge of therapeutic options.

Study Sections

- Co-Chair, Mid-Atlantic Society of General Internal Medicine Scientific Abstract Committee
- Member, National Society of General Internal Medicine Program Committee
- Advisory Committee Memberships and Leadership Positions
- Director, Pitt ICRE Center for Education Enhancement for Research Diversity (CEED-2)
- Member, Pitt Department of Medicine Diversity Committee

Professional Affiliations and Society Memberships

- Member, Society of General Internal Medicine
- Member, American Heart Association
- Member, American College of Physicians

Editorships

- Editorial Board Member, Society of General Internal Medicine Forum, 2018-2020
- Ad hoc Reviewer, Multiple journals (*Circulation*, *Circulation: Cardiovascular Quality and Outcomes*, *Health Affairs*, *JAMA Network Open*, *Journal of General Internal Medicine*, *Health Literacy Research and Practice*, *American Heart Journal*), 2019-2020

Major Lectureships and Seminars

- Presenter, Massachusetts General Hospital, Noon Conference, Boston, MA, September 2019
- Keynote Speaker, Pennsylvania American College of Physicians, Regional Meeting, Pittsburgh, PA, October 2019
- Presenter, SUNY Upstate, Health Justice Conference, Syracuse, NY, January 2020
- Presenter, Division of General Internal Medicine Grand Rounds, Beth Israel Deaconess Medical Center/Harvard Medical School, Boston, MA, January 2020
- Invited Lecturer, UPMC, Diversity Leadership Network, April 2020
- Presenter, Ariadne Labs/Harvard Medical School, Noon Conference, April 2020
- Invited Presenter, American Heart Association Quality of Care Outcomes Research,

Annual Meeting, Virtual, May 2020

- Lecturer, Massachusetts General Hospital Chelsea Health Center, Morning Report Lecture, May 2020
- Presenter, UPMC St. Margaret, Grand Rounds, May 2020

Honors and Awards

- Best Scientific Research Abstract Poster (Mentor), Society of General Internal Medicine-Mid Atlantic Region, November 2019
- Young Investigators Database Seed Grant, American Heart Association, 2020
- Research in Implementation Science for Equity Scholar, National Heart Lung Blood Institute, 2019-2020
- Milton W. Hamolsky Research Presentation Award, Society of General Internal Medicine, 2020
- Unified Leadership Training for Diversity Scholar, Association of Chiefs & Leaders in GIM, 2020

Kristian Feterik, MD, MBA

Dr. Feterik's research interests include: optimization of electronic health records, clinical decision support systems, knowledge discovery, and data mining.

Advisory Committee Memberships and Leadership Positions

- Council Member and representative, Western Region Pennsylvania Chapter of the American College of Physicians, 2015-present
- Treasurer, Pittsburgh Chapter of Society of Hospital Medicine, 2017-present
- Member, Executive Council of Health Information Technology Special Interest Group, Society of Hospital Medicine, Philadelphia, PA, 2018-present
- Member, Adult Geriatric Acute Care Nurse Practitioner Advisory Board, University of Pittsburgh School of Nursing, Pittsburgh, PA, 2018-present
- Physician representative and advisory board member, Clinical Connect Health Information Exchange Strategic Planning Committee, Pittsburgh, PA, 2018-present

Michael J. Fine, MD, MSc

Dr. Fine is a Professor of Medicine and Director of the Center for Health Equity Research and Promotion (CHERP), a VA Center of Innovation in Health Services Research at the VA Pittsburgh Healthcare System. His research focuses on ways to improve the quality and equity of medical care for patients with common medical problems. As Director of CHERP, he is particularly interested in conducting research to detect, understand, and eliminate disparities in health and health care among vulnerable patient populations. His past research employed retrospective and prospective cohort designs, with extensive emphasis on assessment of patient-centered outcomes. Dr. Fine's research has also utilized randomized clinical trial design to test the effectiveness and safety of medical practice guidelines to improve the quality and efficiency of care for patients with common medical illnesses.

Study Sections

- Internal Grant Reviewer, Clinical and Translational Science (CTS) Scholars Program (KL2), Institute for Clinical Research Education (ICRE), University of Pittsburgh, 2012-present
- Reviewer, GS14/15 Centralized Research Scientist Promotion Review Panel, Veterans Health Administration Office of Research and Development, Health Services Research and Development, 2020

Advisory Committee Memberships and Leadership Positions

- Director, Center for Health Equity Research and Promotion (CHERP), VA Pittsburgh Healthcare System, 2001-present
- Member, Research and Development Committee, VA Pittsburgh Healthcare System,

2009-2019

- Chair, Health Equity and Rural Outreach Innovation Center (HEROIC) Steering Committee, Ralph H. Johnson VA Medical Center, Charleston, SC, 2013-present
- Chair, Center for Innovation for Veteran-Centered and Value-Driven Care Steering Committee, Seattle, WA/Denver, CO, 2013-present
- Member, Joint Guideline on Community and Hospital Community Acquired Pneumonia Committee, American Thoracic Society / Infectious Diseases Society of America, 2014-2019
- Member, Division of General Internal Medicine Leadership Board, University of Pittsburgh, 2015-present
- Member, Health Equity Coalition, VA Office of Health Equity, Department of Veterans Affairs, 2018-present
- Member, Building Up a Diverse Pipeline for the Biomedical Research Workforce (Building Up) Program Advisory Board, University of Pittsburgh, 2019-present
- Associate Director, VA Office of Academic Affiliations Postdoctoral Training Program in Health Services Research, VA Pittsburgh Healthcare System

Professional Affiliations and Society Memberships

- Member, Society of General Internal Medicine, 1989-present
- Fellow, American College of Physicians, 1998-present
- Member, American Society for Clinical Investigation, 1999-present
- Member, Association of American Physicians, 2009-present

Editorships

- Reviewer, Multiple journals (*Clinical Infectious Diseases*, *New England Journal of Medicine*, *JAMA*, *JAMA Internal Medicine*, *PLOS One*), 2019-present

Gary S. Fischer, MD

Dr. Fischer conducts research in several areas related to quality improvement: (1) the use of health information technology (HIT) and clinical decision support to improve quality of care; (2) the use of patient-facing HIT tools to improve patient outcomes, including with weight loss, diabetes care, hypertension, and prevention; (3) electronic communication between patients and health care providers; and (4) ambulatory quality improvement.

Advisory Committee Memberships and Leadership Positions

- Member, Society of General Internal Medicine Clinical Practice Committee and Practice Redesign Subcommittee, 2018-present

Professional Affiliations and Society Memberships

- Member, Society for General Internal Medicine
- Member, Pennsylvania Medical Association
- Member, American Medical Informatics Association

Major Lectureships and Seminars

- Speaker, UPMC, Physician Well-Being Symposium, Pittsburgh, PA, January 2020
- Poster Presenter, Society for General Internal Medicine, Annual Meeting (Canceled), May 2020
- Poster Presenter, Society for General Internal Medicine, SGIM20 On Demand, June 2020
- Speaker, Mid-Atlantic Regional Public Health Training Center, June 2020

Walid F. Gellad, MD, MPH

Dr. Gellad's research focuses on physician prescribing practices and on policy issues affecting access and adherence to medications for patients. He received a career development award from the Department of Veterans Affairs to study the quality and efficiency of prescribing in the VA and

is currently funded by the VA, NIH, foundations, and the state of Pennsylvania on multiple studies of pharmaceutical policy and prescription use. His work spans clinical areas, ranging from diabetes and hepatitis C to prescription drug and substance abuse. His field of policy expertise is prescription drug pricing and spending. Dr. Gellad is a former member of the Food and Drug Administration (FDA) advisory committee on nonprescription drugs and is an alternate member of the FDA Drug Safety Oversight Board. A nationally recognized authority on improving the measurement of medication adherence, Dr. Gellad sees primary care patients in the VA Pittsburgh Healthcare System and attends on the inpatient general medical service.

Study Sections

- Reviewer, Judge, Department of Medicine Research Day, 2015-present

Advisory Committee Memberships and Leadership Positions

- Director, Center for Pharmaceutical Policy and Prescribing, Health Policy Institute, University of Pittsburgh, 2013-present
- Member, Scientific Advisory Board, Health Prize, 2015-present
- Chair, VA Pittsburgh Drug Use Evaluation Subcommittee, 2018-present
- Member, VA Pittsburgh Pharmacy & Therapeutics Committee, 2018-present
- Co-Chair, Department of Medicine Research Day 2020 Planning Committee, 2019-2020
- Member, Society of General Internal Medicine, Outstanding Junior Investigator of the Year Award Committee 2020



Photo

Dr. Gellad is the 2019 recipient of the Presidential Early Career Award for Scientists and Engineers.

Professional Affiliations and Society Memberships

- Member, Society of General Internal Medicine
- Editorships
- Reviewer, Multiple journals (*Health Affairs, Annals of Internal Medicine, JAMA, NEJM, JAMA Internal Medicine, Addiction*), 2008–present
- Editorial Board Member, *Journal of General Internal Medicine*, 2016-present

Major Lectureships and Seminars

- Guest Professor, University of Bern and Bern University Hospital, 2020

Honors and Awards

- Presidential Early Career Award for Scientists and Engineers (PECASE), July 2019

Lawrence D. Gerber, MD

Dr. Gerber focuses his educational interests on teaching inpatient hospitalist procedures (e.g., arthrocentesis, paracentesis, lumbar puncture); teaching urine microscopy; teaching polarized light microscopy for crystal analysis; and teaching blood-smear evaluation. He is also interested in utilizing and teaching Point of Care Ultrasound as a tool for the diagnostic evaluation.

Advisory Committee Memberships and Leadership Positions

- Course Director, Point of Care Ultrasound Introductory Workshop for Medicine Interns, VA Pittsburgh Healthcare System Simulation Center, 2020
- Member, Inpatient Residency Education Committee, Division of General Internal Medicine, University of Pittsburgh School of Medicine, 2019-2020

Professional Affiliations and Society Memberships

- Fellow, American College of Physicians
- Member, Society of Hospital Medicine

Editorships

- Peer Reviewer, *Federal Practitioner*, 2019-2020

Alda Maria R. Gonzaga, MD, MS

Dr. Gonzaga focuses on adolescent and women's health. In 2006, she established the Progressive Evaluation and Referral Center (PERC) housed within the UPP General Internal Medicine clinic to accept patients with chronic health concerns transferring care from pediatrics to adult-oriented health care. Dr. Gonzaga has always had a strong interest in patient-doctor communication skills, including motivational interviewing and universal precautions for patients of varying levels health literacy, and she is involved at various levels in the medical school's diversity and inclusion efforts.

C. Bernie Good, MD, MPH

As the Director for the Center for Value-Based Pharmacy Initiatives at UPMC Health Plan, Dr. Good has research interests relating to alternative payment models for pharmacy benefits including value-based contract arrangements, and the safe and effective provision of medications. He has published recently in the area of drug safety, appropriate prescribing, conflicts of interest, and cost-effectiveness.

Advisory Committee Memberships and Leadership Positions

- Member, Medical Advisory Panel, Veterans Health Administration Pharmacy Benefits Management Strategic Healthcare Group, Department of Veterans Affairs, 1999-present
- Member, VA Adverse Drug Event Reporting System Advisory Group, 2008-present
- Director, Center for Value-Based Pharmacy Initiatives, UPMC Health Plan, 2017-present
- Member, Military Defense Board, United States Department of Defense, 2019-present
- Member, ISPOR Health Technology Assessment Board, 2019-present

Professional Affiliations and Society Memberships

- Member, Society of General Internal Medicine

Major Lectureships and Seminars

- Presenter, Institute for Clinical and Economic Review - Midwest, CEPAC Meeting, St. Louis, MO, September 2019
- Presenter, Cell & Gene Meeting on the Mesa, Arlington, VA, October 2019
- Presenter, Value-Based Health Care Congress, Arlington, VA, October 2019
- Presenter, Academy of Managed Care Pharmacy, Nexus Meeting, National Harbor, MD, October 2019

Honors and Awards

- Best Reviewers, *Annals of Internal Medicine*, 2019
- Best Reviewers, *Journal of Managed Care Specialty Pharmacy*, 2019

Thomas C. Grau, MD

Dr. Grau's interests include medical consultation and faculty development. He is currently enrolled in the EdD program at the University of Pittsburgh with a concentration in Higher Education Management.

Advisory Committee Memberships and Leadership Positions

Governor, Western Pennsylvania Region, American College of Physicians, 2016-present

Megan E. Hamm, PhD

As a Qualitative Methodologist, Dr. Hamm specializes in the collection and analysis of interview, focus group, and observational data. Her background in Anthropology is in gender and sexuality, with a focus on sex worker activism in South Asia; as such, she has expertise in collecting data on sensitive and emotionally difficult subjects, which translates well into qualitative data collection in the medical context, particularly with patients suffering social stigma and emotional trauma from their illnesses. As Director of Qualitative, Evaluation, and Stakeholder Engagement Services, Dr. Hamm has participated in more than 60 research projects about an array of different topics that frequently fall under one of the following general topics: evaluation of medical educational

programming, the formative evaluation of behavioral and programmatic interventions, provider communication, the adoption of new health technologies, sexuality and reproductive health, pain management, substance use in pregnancy, using qualitative data to inform user-centered design of interventions, tele-health, and stakeholder engagement.

Study Sections

- Reviewer, Society for Family Planning Research Fund, Increasing Access to Medication Abortion, Part II funding opportunity, March 2020
- Advisory Committee Memberships and Leadership Positions
- Director, Qualitative, Evaluation, and Stakeholder Engagement Research Services, CRHC Data Center, 2016–present

Professional Affiliations and Society Memberships

- Member, American Anthropological Association
- Member, Society for Applied Anthropology
- Member, American Evaluation Association

Editorships

- Peer Reviewer, Multiple journals (*American Journal of Geriatric Psychiatry*, *American Journal of Men's Health*, *PLOS One*), 2018–present

Major Lectureships and Seminars

- Oral Presenter, Society for Applied Anthropology, Annual Meeting (Canceled), March 2020

Janel Z. Hanmer, MD, PhD

Dr. Hanmer's primary research focus is on health-related quality of life measurement, particularly health utility measurement. Her previous work has focused on the use of legacy measures. Are the measures comparable? What happens if modes of administration are mixed? What are population averages for these measures? She has often worked with population-based datasets, such as the Medical Expenditures Panel Survey.

Dr. Hanmer's recent work has focused on developing a new health utility score for the Patient-Reported Outcomes Measurement Information System (PROMIS). This work combines item response theory and econometric theory. In addition, Dr. Hanmer is the Medical Director for Patient Reported Outcomes at UPMC where she oversees the design and implementation of patient reported outcome measure collection in clinical settings through Epic. In this role, she evaluates patient reported outcomes in clinical populations and the effect of measure collection on practices.

Study Sections

- Abstract Reviewer, International Society for Quality of Life Research Annual Meeting, 2013–present
- Abstract Reviewer, Society for Medical Decision Making Annual Meeting, 2015–present
- Judge, Lee Lusted Prize, Society for Medical Decision Making Annual Meeting, 2015–present
- Member, Technical Evaluation Panel, Small Business Innovation Research (SBIR) Contract Solicitation by NCI, NIH, 2019–2020
- Abstract Reviewer, PROMIS Health Organization Annual Meeting, 2020

Advisory Committee Memberships and Leadership Positions

- Reader, Sentinel Evidence-B, Health Information Research Unit, McMaster University, 2014–present
- Assistant Dean, Scholarly Research Project, University of Pittsburgh School of Medicine, 2017–present
- Consultant, Injury Impacts by Industrial Economics, Consumer Product Safety Commission, 2018–present
- Member, National Quality Forum Patient-Reported Outcome-based Depression

Performance Measure for Use in Primary Care Practices Technical Expert Panel (TEP), 2019-2020

- Member, National Quality Forum Patient-Reported Outcomes (PRO) Technical Expert Panel (TEP), 2019-2020
- Board Member, PROMIS Health Organization, 2019-present
- Conference Scientific Advisory Committee, 6th Annual International PROMIS® Conference, 2020-present

Professional Affiliations and Society Memberships

- Member, International Society of Quality of Life Measurement
- Member, Society for Medical Decision Making
- Member, PROMIS Health Organization

Editorships

- Reviewer, Multiple journals (*Medical Decision Making*, *Quality of Life Research*, *Value in Health*), 2014-present
- Editorial Board Member, *Medical Decision Making*, 2016-present

Major Lectureships and Seminars

- Plenary Moderator, International Society for Quality of Life Research, 26th Annual Conference, October 2019
- Plenary Speaker, PROMIS Health Organization, 5th Annual Conference, October 2019
- Roundtable Host, International Society for Quality of Life Research, 26th Annual Conference, October 2019
- Speaker, Physical Medicine and Rehabilitation, Grand Rounds, January 2020
- Speaker, Innovations in Health Care Special Panel on Patient-Reported Outcomes, UPMC Center for High Value Health Care, March 2020
- Speaker, PROMIS Training Workshops, Virtual, June 2020

Jaishree Hariharan, MD

Dr. Hariharan is actively involved in resident and medical student education, with a focus on ambulatory primary care, standardization of care, and documentation, as well as curriculum development for team-based quality improvement.

Advisory Committee Memberships and Leadership Positions

- Member, Society of General Internal Medicine Clinical Practice Committee, 2017-present

Peggy B. Hasley, MD, MHSc

Dr. Hasley has taken a scholarly approach to the development of medical education. She has developed evaluations of her curricula and has presented her findings locally and at national meetings and she has received internal and foundational funding to support her work. Dr. Hasley serves on the Faculty and Fellows Grant Committee for the Division of General Medicine. She mentors multiple residents, and her scholarly contributions to the primary care of transplant patients has led to two review publications and a book chapter published in the *Textbook of Organ Transplantation*.

Advisory Committee Memberships and Leadership Positions

- Track Director, Generalist Track, Internal Medicine Residency Program, UPMC, 2008-present
- Associate Program Director, Internal Medicine Residency Program, UPMC, 2009-present
- Chair, Ambulatory Training Committee, University of Pittsburgh, 2009-present
- Member, Academy of Master Educators, University of Pittsburgh School of Medicine, 2012-present
- Member, Division of General Internal Medicine Faculty and Fellows Awards Committee, 2017-present

Professional Affiliations and Society Memberships

- Fellow, American College of Physicians, 2015-present

Honors and Awards

- Physician's Excellence Award, Wolff Center UPMC, 2020
- Advocacy and Community Service Award, Mid-Atlantic Regional Society of General Internal Medicine Meeting, November 2019

Leslie R. M. Hausmann, PhD

Dr. Hausmann is a social psychologist who conducts multidisciplinary research and quality improvement projects focused on identifying, understanding, and reducing disparities in health and health care for vulnerable patient populations. While much of her work has focused on issues of discrimination and bias in the healthcare setting, she also has extensive experience leading large-scale, multisite, mixed-methods evaluations of the longitudinal impact of efforts to improve quality of care overall or for specific vulnerable groups.

Study Sections

- Abstract Reviewer, Society of Behavioral Medicine Annual Meeting, 2014-present
- Member, VA Health Services Research & Development Scientific Merit Review Board, 2015-present
- Internal Reviewer, VA HSR&D Career Development Awards, Merit Review Proposals, and Nursing Research Initiative Proposals, VA Center for Health Equity Research and Promotion (CHERP), 2018-present

Advisory Committee Memberships and Leadership Positions

- Alternate Member, Research and Development Committee, VA Pittsburgh Healthcare System, 2018-present
- Co-Director, Equity Capacity Building Core, VA Pittsburgh Healthcare System Center for Health Equity Research and Promotion (CHERP), 2018-present
- Member, VA Pittsburgh Research Scientific Evaluation Committee, 2018-present
- Member, Diversity Committee, Institute for Clinical Research Education, University of Pittsburgh, 2019-present
- Member, Scientific Professional Liaison Council, Society of Behavioral Medicine, 2019-present
- Chair, VA COVID-19 Social Determinants of Health Workgroup, Veterans Health Administration, 2020-present

Professional Affiliations and Society Memberships

- Member, Society of Behavioral Medicine (SBM), 2009-present
- Member, Academy Health, 2016-present

Major Lectureships and Seminars

- Invited Speaker, National Minority Veterans, Summit, Dallas, TX, September 2019
- Invited Speaker, VA Health Services Research & Development, Cyber Seminar, January 2020

Brian S. Heist, MD, MSc

Dr. Heist's research interests include Japanese medical education, clinical reasoning, and web-based education.

Advisory Committee Memberships and Leadership Positions

- Committee Member, Shadyside Foundation Clinical Research Fund, 2014-present

Professional Affiliations and Society Memberships

- Member, Society of General Internal Medicine
- Member, American College of Physicians
- Member, Japan Primary Care Association

Editorships

- Peer Reviewer, Multiple journals (*BMJ Open*, *Journal of General Internal Medicine*), 2019-present

Honors and Awards

- Honorable Mention, UPMC Shadyside Hospital Above and Beyond, December 2019

Scott R. Herrle, MD, MS

Dr. Herrle's academic interests include the teaching of physical examination and history taking skills in addition to clinical reasoning to residents and medical students. Dr. Herrle is a member of the Academy of Master Educators at the University of Pittsburgh School of Medicine, serves as the course director for the medical school's Advanced Physical Examination course along with the Prologue course, and is a member of the University of Pittsburgh School of Medicine's Curriculum Committee. He has served on the writing committees for the general medicine component of the 16th, 17th, 18th, and 19th editions of the Medical Knowledge Self-Assessment Program (MKSAP) which is published by the American College of Physicians and also currently is a member of the In-Training Exam Committee of the American College of Physicians.

Study Sections

- Poster Judge, 4th Annual Medical Education Day, Academy of Master Educators, University of Pittsburgh School of Medicine, September 2019

Advisory Committee Memberships and Leadership Positions

- Member, American College of Physicians Medical Knowledge Self-Assessment Program GIM Writing Committee, 2009-present
- Co-Chairperson, Membership Committee, Academy of Master Educators, University of Pittsburgh School of Medicine, 2017-present
- Member, American College of Physicians IM-ITE Committee, 2018-present

Professional Affiliations and Society Memberships

- Fellow, American College of Physicians, 2013-present

Erika L. Hoffman, MD

Advisory Committee Memberships and Leadership Positions

- Member, Risk Evaluation for Mitigation Strategy, FDA Advisory Panel for Extended-Release Long-Acting Opiates, 2015-present
- Member, VISN Advisory Group for PACT Advancement, 2015-present

Charles R. Jonassaint, PhD, MHS

Dr. Jonassaint's research aims to use mobile technology to improve pain and mental health care for underserved populations.

Study Sections

- Member, Grant study section (Internal), ICRE KL2 program, June 2020

Advisory Committee Memberships and Leadership Positions

- Member, University of Pittsburgh School of Medicine LCME Accreditation Survey Visit Faculty Panel, 2019
- Member, University of Pittsburgh Intellectual Property Policy Committee, 2019-present
- Member, KL2 Multidisciplinary advisory committee, 2020-present

Professional Affiliations and Society Memberships

- Member, Society of Behavioral Medicine, Program Committee
- Member, American Psychosomatic Society, Social Media Committee

Major Lectureships and Seminars

- Presenter, NIH Center for Translation Research and Implementation Science, February 2020
- Presenter, Howard University, 7th Annual World Sickle Cell Awareness Day, Washington, DC, June 2020

Wishwa N. Kapoor, MD, MPH

Dr. Kapoor has conducted groundbreaking work in syncope and community-acquired pneumonia (CAP). Broadly, his interests are in health services and outcomes of common medical problems, including a focus on improving outcomes, reducing cost and providing high-quality care. His work has been published in prestigious journals, including the *New England Journal of Medicine*, *JAMA*, *Circulation*, and *Annals of Internal Medicine*. His studies have provided the building blocks for the evaluation and management of syncope, forming the foundation for guidelines on the condition. His work is used and quoted by physicians nationally and internationally. His contributions in CAP, funded by AHRQ under Patient Outcomes Research Team (PORT), led to the assembling of a team of scientists from diverse disciplines. Dr. Kapoor served as the leader of this large multicenter and multidisciplinary group, which redesigned the approach to the prevention, treatment, and prognosis of CAP. PORT produced more than 100 publications in major journals and books. The studies led to several large, randomized, controlled trials, directed by Michael Fine, MD MSc, his main collaborator and mentee on PORT.

Advisory Committee Memberships and Leadership Positions

- Co-Director, RAND-University of Pittsburgh Health Institute, 2006-present
- Member, AAMC Committee on Shortening Time to Independence for Clinical/Translational Physician Scientists, 2007-present
- Member, External Advisory Board, Institute for Integration of Medicine and Science, University of Texas Health Sciences Center, San Antonio, TX, 2010-present
- Associate Director, Clinical and Translational Science Institute, University of Pittsburgh, 2016-present

Dio Kavalieratos, PhD

Dr. Kavalieratos is a health services researcher whose work focuses on development, evaluation, and implementation of patient-centered models of palliative care in serious cardiopulmonary illness. He has expertise in qualitative methods, patient-reported outcomes, and evidence synthesis. A recipient of the 2013 Young Investigator Award from the American Academy of Hospice and Palliative Medicine (AAHPM), he serves as Chair of the AAHPM's Scientific Subcommittee. Dr. Kavalieratos' work has been supported by the National Palliative Care Research Center (Career Development Award, 2014), AHRQ (K12, 2014), the Cystic Fibrosis Foundation (Pilot Study Grant, 2014), and NHLBI (K01, 2016). His research has appeared in journals, including *JAMA*, the *Journal of the American Heart Association*, the *Journal of Pain and Symptom Management*, and *Heart (BMJ)*, among others. He serves as an Associate Editor of the *Journal of Palliative Medicine*, and serves on the Editorial Board of the *American Journal of Public Health*.

Study Sections

- Member, Palliative Care Research Cooperative Study Section, 2016-present

Advisory Committee Memberships and Leadership Positions

- Advisor, Investigator Development Core, Palliative Care Research Cooperative, 2015-present
- Chair, Scientific Subcommittee, American Academy of Hospice and Palliative Medicine, 2016-present
- Co-Chair, Palliative Care Guidelines Development Committee, Cystic Fibrosis Foundation, 2016-present
- Member, Scientific Review Committee, National Palliative Care Research Center, 2016-present

- Co-Director, Palliative Care Initiatives, Cystic Fibrosis Foundation, 2017-present

Editorships

- Editorial Board Member, *American Journal of Public Health*, 2011-present
- Associate Editor, *Journal of Palliative Medicine*, 2017-present
- Peer Reviewer, Multiple journals (*Journal of Healthcare for the Poor and Underserved*, *Journal of Oncology Practice*, *Journal of Pain and Symptom Management*, *Journal of Palliative Medicine*, *Health Affairs*, *Heart*, *Medical Care*, *Palliative Medicine*, *Psycho-Oncology*, *Supportive Care in Oncology*, *Thorax*), 2018-present

Linda A. King, MD

Advisory Committee Memberships and Leadership Positions

- Associate Chief, Section of Palliative Care and Medical Ethics, Division of General Internal Medicine, University of Pittsburgh School of Medicine, 2018-2019

Amar R. Kohli, MD

Dr. Kohli's primary research interests include consultation medicine and doctor-to-doctor communication.

Study Sections

- Abstract Reviewer, Society of General Internal Medicine Mid-Atlantic Regional Meeting, 2015-present
- Clinical Vignette Abstract Reviewer, Society of General Internal Medicine Annual Meeting, 2015-present

Advisory Committee Memberships and Leadership Positions

- Member, National Membership Committee, Society of General Internal Medicine, 2017-present
- Chair, Membership Committee, Society of General Internal Medicine Mid-Atlantic Region, 2018-2019

Editorships

- Peer Reviewer, *Journal of General Internal Medicine*, 2013-present

Kevin L. Kraemer, MD, MSc

Dr. Kraemer researches the delivery and implementation of patient-centered strategies for the detection and early intervention of unhealthy alcohol and drug use. He also studies the application of cost-effectiveness methodology to alcohol and drug detection and treatment programs, and the comparative effectiveness of alcohol and drug addiction treatment on HIV outcomes and quality of HIV care. He serves as co-investigator and Pittsburgh Principal Investigator for the national, multi-site Veterans Aging Cohort Study (VACS), which is assessing the impact of multi-substance use and use in a prospective cohort of 9,000 HIV-infected and uninfected veterans and a "virtual" cohort of all 47,000+ HIV-infected Veterans in care since 1998. He is currently Principal Investigator of a five-year NIAAA R01 "Comparative Effectiveness of Alcohol and Drug Treatment in HIV-Infected Veterans," which aims to compare the impact of different alcohol and illicit drug treatment approaches on the outcomes of HIV virologic control and quality of HIV care. Dr. Kraemer has extensive research mentoring experience across a spectrum of predoctoral students, postdoctoral fellows, and junior and mid-level faculty. Currently, he is primary mentor to several University of Pittsburgh junior faculty, fellows, and residents. He serves as a Master Mentor in the ICRE Training Early Academic Mentors program, is co-leader for the ICRE's annual Mentoring Matters half-day workshop, and teaches in the University of Pittsburgh Office for Academic Career Development's professional development workshop series, including the session on K awards. Nationally, he has served on the AAMC Committee on Training Physicians to be Clinical-Translational Investigators.

Study Sections

- Ad hoc Study Reviewer, AA-2 Health Services, Prevention, and Epidemiology Research, National Institutes of Health and National Institute on Alcohol Abuse and Alcoholism, 2006-present

Advisory Committee Memberships and Leadership Positions

- Member, Task Force on Substance Abuse, Society of General Internal Medicine, 1996-present
- Member, National Conference Scientific Abstract Review Committee, Association for Medical Education and Research in Substance Abuse, 2000-present
- Member, Board of Directors, Association for Medical Education and Research in Substance Abuse, 2015-2019
- Treasurer, Association for Medical Education and Research in Substance Abuse, 2015-2019
- Chief, Section of Treatment, Research, and Education in Addiction Medicine, Division of General Internal Medicine, 2015-present

Editorships

- Associate Editor, *Alcohol, Other Drugs, and Health: Current Evidence*, 2003-present
- Peer Reviewer, Multiple journals (*New England Journal of Medicine*, *Annals of Internal Medicine*, *Journal of General Internal Medicine*, *Alcohol: Clinical and Experimental Research*, *Journal of the American Geriatrics Society*, *Journal of Studies on Alcohol and Drugs*, *Journal of Substance Abuse Treatment*, *BMJ Open Journals*, *Addiction*, and *Alcohol, Other Drugs, and Health: Current Evidence, Substance Abuse*), 2018-present

Tamar P. Krishnamurti, PhD

Dr. Krishnamurti's research uses and develops methods in the social and decision sciences, working with experts from multiple institutions and disciplines, to examine problems that meet at the intersection of health, risk, technology, and the environment. Her current research focuses primarily on risk perception and communication and the development of mobile health strategies to identify and intervene on health risks, including pregnancy-related risks in the early postpartum period.

Study Sections

- Abstract Reviewer, Society for Medical Decision Making, Annual Conference, October 2019

Advisory Committee Memberships and Leadership Positions

- Co-Founder and CEO, Naima Health, LLC (electronic health interventions development company), 2018-present
- Member, Jewish Health Foundation Women's Health Activist Movement Advisory Board, 2018-present
- Member, Local Organizing Committee, International Society for Research on Internet Interventions, 11th Scientific Meeting (Postponed), 2020

Professional Affiliations and Society Memberships

- Member, American Psychological Association, 2005-present
- Member, Society for Judgment and Decision Making, 2005-present
- Member, Society of Personality and Social Psychology, 2006-present
- Member, Society for Medical Decision Making, 2006-present
- Member, Industry Studies Association, 2010-present
- Member, Association for Clinical and Translational Science, 2017-present

Editorships

- Peer Reviewer, Multiple journals (*Medical Decision Making*, *Plos One*, *Journal of Communication in Healthcare*, *Journal of Medical Internet Research*) 2018-present



Photo

A finalist in the 2020 Pitt Innovation Challenge, Dr. Krishnamurti researches the development of mobile health strategies to intervene on health risks.

Major Lectureships and Seminars

- Presenter, Centers for Disease Control, October 2019
- Panelist, SteelTown Startups, University of Pittsburgh, November 2019
- Presenter, University of California Los Angeles, Contingency Management, Substance Use, and HIV Prevention: Defining an Integrated Research Agenda, January 2020
- Symposium Presenter, American Academy of Arts & Sciences, UK-US Maternal Health and AI Symposium, February 2020

Honors and Awards

- Finalist, Pitt Innovation Challenge (PInCh), 2020

William I. Levin, MD

Dr. Levin actively supervises clinical practice for residents, interns, and medical students, including bedside teaching and case-based didactic presentations. He is a regular lecturer for a series of didactic presentation for the senior residents rotating on the consult service and precepts consult residents throughout the year. Dr. Levin is a physician Champion (liaison) for a nursing unit in Montefiore Hospital, a physician representative on the Medicine Line Committee and a member of UPMC Patient Safety Collaborative.

Honors and Awards

- Honoree, Pittsburgh's Best Doctors, *Pittsburgh Magazine*, 2018-present

Jing Luo, MD, MPH

Dr. Luo is a clinician investigator and general internist whose research focuses on prescription drug use, pricing, policy, and comparative effectiveness. He is especially interested in medicines for chronic diseases such as diabetes, including insulin.

Study Sections

- Reviewer and Judge, Society for General Internal Medicine Mid-Atlantic Regional Meeting, November 2019

Advisory Committee Memberships and Leadership Positions

- Team Lead, Access to Medicines and Diagnostics Working Group, International Diabetes Alliance, 2019-present

Professional Affiliations and Society Memberships

- Member, Society for General Internal Medicine, 2013-present
- Member, International Society for Pharmacoepidemiology, 2015-present
- Member, American Diabetes Association, 2018-present

Editorships

- Ad hoc Reviewer, Multiple journals (*JAMA*, *JAMA Internal Medicine*), 2016-present

Major Lectureships and Seminars

- Presenter, Columbia University Vagelos College of Physicians and Surgeons, Advanced Topics in Global and Population Health, Virtual, May 2020

Colleen A. Mayowski, EdD, MLIS

Dr. Mayowski has published and presented on the use and prevalence of institution-level eportfolios for accreditation and outcomes assessment. Her current research interests focus on authorship and publication ethics, and the assessment, evaluation, and impact of higher education programs.

Advisory Committee Memberships and Leadership Positions

- Member, Institute for Clinical Research Education Internal Advisory Board, 2016-present
- Member, Institute for Clinical Research Education Executive Committee, 2016-present
- Member, Team Science Working Group, Clinical and Translational Science Institute, 2016-present

- Member, Institute for Clinical Research Education Admissions Committee, 2016-present
- Member, Institute for Clinical Research Education Research on Careers Committee, 2016-present
- Member, Institute for Clinical Research Education Diversity Committee, 2018-present
- Member, Course Evaluation for Inclusion Committee, University of Pittsburgh School of Medicine, 2020-present

Editorships

- Peer Reviewer, *Academic Medicine*, 2019-present
- Peer Reviewer, *Journal of Clinical and Translational Science*, 2019-present

Major Lectureships and Seminars

- Invited Speaker, Vanderbilt University, Translational Bridge Seminar Series, March 2020
- Workshop Presenter, Vanderbilt University, Elliot Newman Society Seminar Series, March 2020

Melissa A. McNeil, MD, MPH

Dr. McNeil's research interests include the development and evaluation of innovations in medical education and in the care of women. She is the Director of the joint VA/University of Pittsburgh Women's Health Fellowship and also serves as the Program Director for the NIH-sponsored Building Interdisciplinary Careers in Women's Health grant, which is an institutional career development award for faculty members interested in developing research careers in women's health. She has more than 50 peer-reviewed publications on diverse topics ranging from the evaluation of women's health educational efforts, the impact of women's health fellowships on career trajectory, an evaluation of the implementation of new breast cancer screening guidelines, and the evaluation of burnout in medical residents, with a particular interest on gender differences in burnout. In 2014, Dr. McNeil was named the Society of General Internal Medicine's Distinguished Professor of Women's Health in recognition of her wide-ranging and diverse initiatives in the field of women's health.

Advisory Committee Memberships and Leadership Positions

- Member, American College of Obstetrics and Gynecology Task Force, Women's Preventive Services Initiative, 2016-present

Editorships

- Ad hoc Reviewer, Multiple journals (*Patient Education and Counseling*, *Journal of General Internal Medicine*, *Journal of Women's Health*, and *Women's Health Issues*), 1990-present

Kathleen M. McTigue, MD, MPH, MS

Dr. McTigue is interested in the prevention of chronic disease, with a focus on obesity, women's health, and information technology. Her research interests are in the prevention of chronic disease, with a focus on obesity, women's health, and information technology. She has considered both evidence-based clinical medicine and public health approaches to escalating U.S. weight trends. She led the development, implementation, and evaluation of the first online adaptation of the Diabetes Prevention Program's lifestyle intervention. This work uses technology to bring evidence-based self-management support to primary care patients. Dr. McTigue's work on improving the quality of patient care comprises a focus on the development of infrastructure for supporting patient-centered clinical research, via the PaTH Clinical Data Research Network, which is a member of the National Patient-Centered Clinical Research Network (PCORnet).

Advisory Committee Memberships and Leadership Positions

- Member, Obesity Interest Group, Society of General Internal Medicine, 2015-present
- Member, PCORnet Council, National Patient-Centered Clinical Research Network (PCORnet), 2015-present
- Member, Department of Medicine Appointments and Promotions Committee, 2017-present

- Co-Chair, Business Plan Work Group, National Patient-Centered Clinical Research Network (PCORnet), 2018-present
- Member, PCORnet 2.0 Steering Committee, National Patient-Centered Clinical Research Network (PCORnet), 2018-present

Jessica S. Merlin, MD, PhD, MBA

Dr. Merlin's research focuses on chronic pain in people living with HIV (PLWH), and more generally, individuals with comorbid mental illness and addiction. She currently holds a K23 career development award from the National Institute of Mental Health to develop and pilot test a behavioral intervention for chronic pain in PLWH, and earned a PhD in health behavior in 2017 to supplement these pursuits. She is the PI of the first large-scale national study of chronic pain epidemiology in PLWH, and also leads projects relating to roles of pain sensitivity and inflammation in chronic pain pathogenesis among PLWH and management approaches to concerning behaviors that arise among individuals on long-term opioid therapy.

Study Sections

- Reviewer, NIH Study Section for RFA "Assessing the Effects of Cannabinoids on HIV-induced Inflammation", 2020
- Technical Expert, NIH for a Helping End Addiction Long-term (HEAL) collaboration proposal through the National Center for Advancing Translational Sciences (NCATS) and the Division of Pre-Clinical Innovation, 2020

Advisory Committee Memberships and Leadership Positions

- Member, Pittsburgh AIDS Center for Treatment (PACT) Medical Marijuana Working Group, 2017-present
- Associate Co-Director, International Scholars Track (IST) for Residents, UPMC Internal Medicine Residency, 2018-present
- Associate Director, Clinical Scientist Track (CST) for Residents, UPMC Internal Medicine Residency, 2018-present
- Director, University of Pittsburgh Medicine Residency Leadership and Discovery Program (LEAD), 2018-present
- Director, "K-club," for internal K awardees, Institute for Clinical Research Education (ICRE), University of Pittsburgh, 2018-present
- Associate Director and incoming Director, General Internal Medicine Clinician-Researcher fellowship, 2019-present
- Associate Program Director for Research, UPMC Internal Medicine Residency Program, 2019-present
- Board Member-at-Large, Association for Multidisciplinary Education and Research in Substance use and Addiction (AMERSA), 2019-present
- Director of Mentoring, Institute for Clinical Research Education, University of Pittsburgh, 2019-present
- Founding Board Member (Secretary), US-Association for the Study of Pain, 2019-present
- Founding Chair, Palliative Care Research Cooperative Pain and Opioids in Serious Illness Shared Interest Group, 2019-present
- Founding Chair, Global HIV/Pain Task Force, 2019-present
- Founding Director and Executive Committee Member, Clinical Pain Discovery Group, Pittsburgh Center for Pain Research, 2019-present
- Member, COVID-19 Command Center Infectious Diseases Physician, University of Pittsburgh Medical Center's Wolff Center, 2020
- Member, UPMC Department of Medicine Leadership Council, 2020

Professional Affiliations and Society Memberships

- Member, Association for Multidisciplinary Education and Research in Substance use and Addiction (AMERSA)

- Member, Palliative Care Research Cooperative Group
- Member, US-Association for the Study of Pain

Editorships

- Associate Editor, *Pain Medicine*, 2012-present

Major Lectureships and Seminars

- Invited Speaker, VA, House and Senate Appropriations Committees, Washington, DC, 2019
- Keynote Presenter, Center to Advance Palliative Care, Annual Conference, Atlanta, GA, 2019
- Presenter, International Antiviral Society-USA Improving the Management of HIV Disease Advanced Course, 2019
- Presenter, Center to Advance Palliative Care, Annual Conference, Atlanta, GA, 2019
- Presenter, Palliative Care Research Cooperative, Webinar, 2019
- Presenter, Managing Cancer Pain During the Opioid Crisis, A Multidisciplinary, Cross-Canada Knowledge Dissemination and Research Planning Initiative, Montreal, Canada, 2019
- Invited Discussant, National Institutes of Health, 2020

Sarah B. Merriam, MD

Dr. Merriam's research interests include curriculum development and evaluation, as well as leadership and faculty development.

Study Sections

- Reviewer, Women's Health Oral Abstract Award, Women in Medicine Task Force, Society of General Internal Medicine Annual Meeting, 2016-present

Advisory Committee Memberships and Leadership Positions

- Member, Women and Medicine Commission, Society of General Internal Medicine, 2017-present
- Member, Education Commission, Society of General Internal Medicine, 2020-present

Professional Affiliations and Society Memberships

- Member, Society of General Internal Medicine
- Member, Alliance for Academic Internal Medicine

Editorships

- Ad Hoc Reviewer, Multiple journals (*Journal of General Internal Medicine*, *Teaching and Learning in Medicine*, *Journal of Women's Health*), 2017-present

Major Lectureships and Seminars

- Invited Speaker, PA Chapter of the American College of Physicians, Annual Scientific Meeting and Awards Dinner, November 2019
- Invited Speaker, Office of Faculty Development of Children's Hospital of Pittsburgh, Department of Pediatrics Leadership Excellence Series for Senior Leaders, December 2019
- Oral Presenter, Society of General Internal Medicine, Annual Meeting, May 2020

Honors and Awards

- Finalist, Hamolsky Award, Society of General Internal Medicine, Annual Conference, May 2020

Alexandra E. C. Mieczkowski, MD, MS

Dr. Mieczkowski's research interests are educational, focusing on trainee autonomy and wellness, and, in particular, trainee financial wellness.

Advisory Committee Memberships and Leadership Positions

- Program Director, Combined Internal Medicine-Pediatrics Residency, 2020-present

Professional Affiliations and Society Memberships

- Fellow, American Academy of Pediatrics, 2013-present
- Member, Society of General Internal Medicine
- Member, American College of Physicians

Visala S. Muluk, MD

Advisory Committee Memberships and Leadership Positions

- Founding Member, Opioid Stewardship Committee, VA Pittsburgh Healthcare System, 2019-present
- Member, MAT (Medication Assisted Therapy) Task Force, VA Pittsburgh Healthcare System, 2019-present
- Member, Venous Thromboembolism (VTE) Charter, VA Pittsburgh Healthcare System, 2019-present
- Member, VHA Office of Veteran Access to Care (OVAC) and VHA Office of Community Care (OCC) Virtual Care Workgroup – Surgery and Anesthesia, 2019-present

Tanya Y. Nikiforova, MD, MS

Dr. Nikiforova's research interests include improving the care of individuals with limited English proficiency and inter-professional, team-based care in the inpatient and outpatient settings.

Study Sections

- Abstract Reviewer, University of Pittsburgh Department of Medicine Research Day, 2020
- Reviewer, Clinical Vignettes, Society of General Internal Medicine Annual Meeting, 2020
- Reviewer, Medical Education Workshops, Society of General Internal Medicine Annual Meeting, 2020

Editorships

- Peer Reviewer, *Journal of General Internal Medicine*, 2019-2020

Major Lectureships and Seminars

- Teaching Competition, Society of General Internal Medicine Mid-Atlantic, Regional Meeting, November 2019
- Presenter, AAIM Web Session, February 2020
- Presenter, UPMC Mercy Department of Medicine, Grand Rounds, February 2020

Honors and Awards

- Participant, AAMC Early Career Women Faculty Leadership Development Seminar, (Deferred), 2020

Marie K. Norman, PhD

Dr. Norman's research interests include the application of research-based learning principles to teaching (whether face-to-face or online), the uses of video for learning, factors affecting faculty satisfaction and retention, and cross-cultural issues in education. She co-authored the book, *How Learning Works: Seven Research-Based Principles for Smart Teaching*, which has been translated into seven languages and is used widely as a teaching resource in higher education. Dr. Norman speaks regularly about teaching and learning and writes a blog for *Synapse*, an education publication on the blogging platform, Medium.

Study Sections

- Abstract Reviewer, Association for Clinical and Translational Science Education Committee, 2020

Advisory Committee Memberships and Leadership Positions

- Director, Innovative Design for Education and Assessment (IDEA) Lab, 2015-present
- Member, Curriculum Committee, Medical Education Program, Institute for Clinical Research Education, Division of Medicine, School of Medicine, University of Pittsburgh, 2016-present
- Member, Curriculum Committee, Clinical Research Program, Institute for Clinical Research Education, Division of Medicine, School of Medicine, University of Pittsburgh, 2016-present
- Member, ICRE Executive Committee, Institute for Clinical Research Education, Division of Medicine, School of Medicine, University of Pittsburgh, 2016-present
- Member, ICRE Advisory Committee, Institute for Clinical Research Education, Division of Medicine, School of Medicine, University of Pittsburgh, 2016-present
- Member, Team Science CTSA Working Group, 2016-present
- Member, ICRE Diversity Committee, 2017-present
- Co-Director, Excellence in Clinical Research Training (Excel-CRT), 2018-present
- Member, External Advisory Board, Penn State University Clinical and Translational Science Institute, 2018-present
- Member, External Advisory Board, Washington University Clinical Research Training Center, 2018-present
- Member, Department of General Internal Medicine Digital Media Working Group, 2019-present
- Member, Association for Clinical and Translational Science Education Committee, 2020-present

Professional Affiliations and Society Memberships

- Member, Association for Clinical and Translational Science, 2015-present
- Member, Association for Clinical and Translational Science Education Committee, 2020-present

Editorships

- Editorial Board Member, *Faculty Focus*, 2018-present
- Reviewer, *Academic Medicine*, 2019-present

Major Lectureships and Seminars

- Keynote Co-Speaker, South Carolina Conference on Innovations in Teaching and Learning in Higher Education, July 2019
- Co-Presenter, Pittsburgh Regional Faculty Symposium, (Canceled), Pittsburgh, PA, March 2020
- Co-Presenter, St. Margaret Hospital, Family Medicine Faculty Development Program, Pittsburgh, PA, April 2020
- Co-Presenter, University of Pittsburgh School of Medicine, Academy of Master Educators, Pittsburgh, PA, April 2020
- Co-Presenter, Science of Team Science Conference, June 2020
- Speaker, Medical University of South Carolina, Innovation Week, June 2020

Lisa M. Podgurski, MD

Dr. Podgurski's research interests focus on physician wellbeing, in particular involving mindfulness-based interventions, and on faculty development initiatives, especially as medical educators. She is also interested in assessment of educational interventions in early longitudinal patient contact for medical students and in communication and palliative care at all levels.

Advisory Committee Memberships and Leadership Positions

- Member, UPMC Physician Wellbeing Committee, 2019-2020
- Professional Affiliations and Society Memberships
- Member, American Academy of Hospice and Palliative Medicine

- Member, American College of Physicians

Editorships

- Reviewer, *Journal of Palliative Medicine*, 2019-2020

Thomas R. Radomski, MD, MS

Dr. Radomski's research focuses on ways to accurately measure and reduce low-value care and how the receipt of care across multiple healthcare systems influences health service utilization, outcomes, and value.

As a current NIH KL2 Scholar within the University of Pittsburgh's Clinical and Translational Scholars Program, he studies the prevalence and determinants of low-value test and procedure use among Veterans, with a focus on the dual use of VA and Medicare services. He is also interested in the value of prescription drug use in older adults, and is developing, validating and applying a patient-centered metric of low-value prescribing (LVP) using administrative data.

He has lead and participated in research supported by the Health Resources and Services Administration, National Institutes of Health, and VA Health Services Research & Development. His work has been published in the *Annals of Internal Medicine*, *Journal of General Internal Medicine*, and *American Journal of Public Health*.

Study Sections

- Abstract and Workshop Reviewer, National and Mid-Atlantic Regional Meetings, Society of General Internal Medicine, 2013-present

Advisory Committee Memberships and Leadership Positions

- Chair, 2019 Meeting of the Society of General Internal Medicine Mid-Atlantic Region, 2019
- Member, Society of General Internal Medicine Board of Regional Leaders, 2019
- President, Society of General Internal Medicine Mid-Atlantic Region, 2019
- Coordinator, Center for Research on Health Care Health Services Research Seminar, 2020-present

Professional Affiliations and Society Memberships

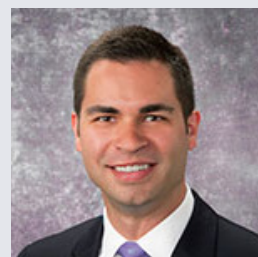
- Member, Society of General Internal Medicine
- Member, American College of Physicians
- Member, Academy Health
- Member, Association of Chiefs and Leaders in General Internal Medicine

Editorships

- Reviewer, Multiple journals (*Journal of General Internal Medicine*, *JAMA Internal Medicine*, *Substance Abuse*), 2018-present

Major Lectureships and Seminars

- Invited Lecturer, Blue Cross Blue Shield of Massachusetts, Boston, MA, October 2019
- Regional President's Address, Society of General Internal Medicine Mid-Atlantic, Regional Conference, Pittsburgh, PA, November 2019
- Presenter, University of Pittsburgh Medical Center Internal Medicine Residency, Generalist Track Presentation, Pittsburgh, PA, January 2020
- Presenter, University of Pittsburgh Department of Medicine, Grand Rounds, Pittsburgh, PA, March 2020
- Panelist Presenter, Society of General Internal Medicine, National Meeting (Canceled), Birmingham, AL, May 2020
- Presenter, University of Pittsburgh, Health Services Research Seminar, Pittsburgh, PA,



Photo

In addition to the Chief's Distinction Award from the Division of General Internal Medicine, Dr. Radomski received the Appreciation Award for Outstanding Commitment and Leadership from the Society of General Internal Medicine Mid-Atlantic Region.

June 2020

Honors and Awards

- Chief's Distinction Award, Division of General Internal Medicine, University of Pittsburgh
- Society of General Internal Medicine Mid-Atlantic Region, Appreciation Award for Outstanding Commitment and Leadership, 2020

Bruce L. Rollman, MD, MPH

Dr. Rollman's research focuses on developing novel interventions to treat mood and anxiety disorders in primary care and cardiac settings. He has been PI on six federally funded R01 clinical trials, Co-I on many other projects, published over 100 scientific papers, and holds 4 U.S. patents. In 2015, he launched the Center for Behavioral Health and Smart Technology to mentor and support the careers of talented new and junior investigators, and he is the immediate past-president of the American Psychosomatic Society whose goals are to advance the scientific study of biological, psychological, behavioral and social factors in health and disease.

Study Sections

- Member, NIH Study Section, Dissemination and Implementation Research in Health (DIRH), June 2020

Advisory Committee Memberships and Leadership Positions

- Founding Director, Center for Behavioral Health and Smart Technology, University of Pittsburgh, 2015-2020
- Member, Innovation Core Advisory Board, Clinical and Translational Science Institute, 2017-present
- Co-Director, NIMH-funded ETUDES Center to Prevent Adolescent Suicide, U. of Pittsburgh, 2018-present
- Immediate Past President, American Psychosomatic Society, 2019-2020
- Chair, local organizing committee, 11th Scientific Meeting, International Society for Research on Internet Interventions, 2019-2021
- Elected Member, Executive Committee of the Faculty
- University of Pittsburgh School of Medicine, 2019-2022
- Founding Director, Center for Behavioral Health, Media, and Technology. Department of Medicine, School of Medicine, University of Pittsburgh, 2020-present

Editorships

- Editorial Board, *Psychosomatic Medicine*, 2004-present
- Editorial Board, *General Hospital Psychiatry*, 2011-present

Major Lectureships and Seminars

- Plenary Moderator and Discussant, Science of Dissemination and Implementation in Health, 12th Annual Conference, Arlington, VA, December 2019

Honors and Awards

- Lester A Hamburg Member of the Year, Beth Shalom Synagogue, November 2019

Ann-Marie Rosland, MD, MS

Dr. Rosland leads health care research and initiatives aiming to: improve health care and self-management support for diabetes and other chronic conditions; mobilize the power of patients' social networks to improve health; innovate in care management and coordination for complex patients; and understand impacts of changes in primary care organization and policy.

Dr. Rosland focuses on innovations in care for chronic health conditions. Dr. Rosland is the Principal Investigator for a VA HSR&D funded 4-year study to determine how the CO-IMPACT intervention improves patient engagement and lowers risk for diabetes complications, through technology-enhanced coaching of patients along with supportive family members. She is also the Principal

Investigator of an NIH NIDDK funded 5-year study examining the impacts of the Family Action for Health (FAM-ACT) program, in partnership with the REACH Detroit Collaborative. In FAM-ACT, Community Health Workers train family members of adults with diabetes in effective support techniques, with the goal of making successful diabetes management easier for patients to achieve and to sustain.

Dr. Rosland also studies health system efforts to improve primary care delivery. As part of the national VA patient centered medical home (PCMH) initiative, Dr. Rosland leads a national workgroup investigating the impact of PCMH on care for high-risk patients, and is developing a new 'smart' tool that uses health system data to facilitate effective PCMH care management for complex patients. Dr. Rosland's work draws on her expertise in health intervention design and evaluation, health behavior change, social and family support, primary care organization, and Participatory Research.

Advisory Committee Memberships and Leadership Positions

- Member, VA National Caregiving Research Special Interest Group, 2010-present
- Lead, VA Primary Care National High-Risk Investigator Workgroup, 2014-present
- Member, 3 advisory panels for VA HSR&D Merit and Career Development Awards, 2017-present
- Member, VA Primary Care Services National Analytic Team Leadership Council, 2018-present
- Member, Data Safety Monitoring Board for NIDDK R01, 2018-present
- Member, High Cost High Needs Populations Theme Organizing Committee, Academy Health Annual Meeting, Washington, D.C., 2019

Professional Affiliations and Society Memberships

- Associate, Society of General Internal Medicine, 2002-present
- Member, AcademyHealth, 2010-present
- Member, Society of Behavioral Medicine, 2019-present

Editorships

- Ad hoc Reviewer, Multiple journals (*JAMA Open Network, Healthcare*), 2020

Major Lectureships and Seminars

- Invited Lecturer, VA HSR&D, National Conference, Washington, DC, October 2019

Honors and Awards

- Mid-Career Women Faculty Leadership Seminar Selected Participant, AAMC, 2019

Scott D. Rothenberger, PhD

Dr. Rothenberger's statistical interests include time series methods, state-space modeling, functional data analysis and the analysis of functional correlations. More recently, he has developed an interest in the design, analysis, and data coordination of clinical trials.

He has collaborated on studies in areas such as sleep medicine, chronobiology, pregnancy care, periprosthetic joint infection, and mood and anxiety disorders. He also enjoys working with clinician educators and recipients of DGIM awards, as well as providing statistical support for the Clinical and Translational Science (CTS) Fellowship (TL1) program.

Study Sections

- Biostatistical Reviewer, Mock Review Panel, NIH SCORE 3 Mechanism Grant Submission, Institute for Clinical Research Education, April 2020

Advisory Committee Memberships and Leadership Positions

- Lead Biostatistician, TL1 Clinical and Translational Science Fellowship, Institute for Clinical Research Education, 2017-present
- Lead Biostatistician, KL2 Clinical and Translational Science Scholars Program, Institute for Clinical Research Education, 2017-present
- Co-Director, Division of General Internal Medicine Medical Education Steering Committee

for Fellow and Faculty Awards, 2018-present

Professional Affiliations and Society Memberships

- Member, National Physics Honors Society, 2002-present
- Member, American Statistical Association, 2009-present
- Member, Society for Clinical Trials, 2019-present
- Member, Optum Users Group, University of Pittsburgh Chapter, 2020-present

Editorships

- Reviewer, Multiple journals (*International Journal of Geriatric Psychiatry, Academic Medicine, Journal of Affective Disorders*), 2019-present

Major Lectureships and Seminars

- Presenter, University of Pittsburgh, Health Services Research Seminar Series, April 2020

Payel J. Roy, MD, MSc

Dr. Roy's research interests are centered on low-barrier access to addiction treatment and trainee education in addiction. Her current focus is a collaboration with the Allegheny County Health Department to develop a Bridge Clinic. She has published commentaries in high-impact journals on improving access to medication treatment for substance use disorders. She has also focused on research prioritizing receipt of addiction treatment in-hospital and post-discharge, including health services work looking at wait-times for treatment and their impact on linkage. Dr. Roy also has expertise on chronic opioid prescribing, from faculty education to studying algorithms that address opioid misuse. Overall, her expertise centers on health services research that seeks to understand and address the barriers patients and providers face regarding buprenorphine and methadone treatment access within the context of current clinical care.

Advisory Committee Memberships and Leadership Positions

- Director, Addiction Medicine Consult Service, 2019-present
- Co-Chair, Conference Planning Committee, Association for Multidisciplinary Education and Research in Substance use and Addiction (AMERSA), 2020

Professional Affiliations and Society Memberships

- Member, Association for Multidisciplinary Education and Research in Substance use and Addiction (AMERSA)

Major Lectureships and Seminars

- Presenter, Addiction and Recovery Grand Rounds, UPMC Health Plan, January 2020
- Presenter, Department of Medicine Grand Rounds, University of Pittsburgh, May 2020

Doris M. Rubio, PhD

Since joining the University in 2002, Dr. Rubio has collaborated on numerous research grants across several fields, serving in a leadership role on the majority of these projects. Her research is diverse, and her grants have been funded by multiple institutes and centers at NIH, as well as the National Research Mentoring Network. Dr. Rubio focuses much of her current research on diversifying the workforce. She is the director of two federally funded grants that aim to help trainees from diverse backgrounds launch and sustain successful careers in the biomedical sciences. In addition, she has investigated and published in fields such as psychometrics, structural equation modeling, quality-of-life indicators, alcoholism, and career development. During her career, she has published more than 85 peer-reviewed articles in well-respected, high-impact journals.

Study Sections

- Ad hoc Member, Education Review Panel, National Center for Complementary and Integrative Health, National Institutes of Health, 2010-present
- Reviewer, Special Emphasis Panel, National Center for Complementary and Integrative Health, 2016-present

Advisory Committee Memberships and Leadership Positions

- Member, Curriculum Committee, Institute for Clinical Research Education (ICRE), 2003-present
- Member, Multidisciplinary Advisory Committee, Clinical and Translational Research Scholars Program, ICRE, 2004-present
- Chair, Diversity Committee, ICRE, 2006-present
- Director, Evaluation Core, Clinical and Translational Science Institute (NIH CTSA), University of Pittsburgh, 2006-present
- Member, Core Directors Committee, CTSI, 2006-present
- Member, Internal Advisory Committee, Research Education and Career Development Core, CTSI, 2006-present
- Chair, Directors Committee, ICRE, 2007-present
- Director, Office for Evaluation, Institute for Clinical Research Education, University of Pittsburgh, 2007-present
- Director, Office of Lifelong Learning, Institute for Clinical Research Education, University of Pittsburgh, 2007-present
- Member, Executive Committee, ICRE, 2007-present
- Member, PhD Program Committee, ICRE, 2008-present
- Chair, Research on Careers Committee, ICRE, 2009-present
- Chair, External Advisory Board, University of Michigan CTSA, 2012-present
- Member, Nominations Committee, Association for Clinical and Translational Science (ACTS), 2012-present
- Chair, External Advisory Committee, Duke University CTSA, 2014-present
- Member, GIM Leadership Council, DGIM, 2014-present
- Chair, Curriculum Committee, ICRE, 2015-present
- Member, Workforce Development Domain Task Force Mentoring to Sustainable Independence Workgroup, Clinical and Translational Science Awards (CTSA) Program, NCATS, 2015-present
- Member, UPSOM MSTP Program Directors, 2015-present
- Member, UPSOM Graduate Council, 2015-present
- Member, United Way Women's Leadership Council, 2016-present
- Member, UPSOM Diversity Advisory Council, 2016-present
- Member, External Advisory Committee, Indiana University CTSA, 2016-present
- Member, External Advisory Committee, Georgia CTSA, 2016-present
- Member, Education Committee, Association for Clinical and Translational Science (ACTS), 2017-2020
- Member, KL2 Principal Investigators Committee, CTSA Consortium, 2017-present
- Member, Clinical and Translational Science Awards (CTSA) Program Evaluators Committee, 2017-present
- Co-Leader, Education and Training, Burroughs Wellcome Fund Physician Scientist Institutional Award, 2018-present
- Member, Excellence in Clinical Research Training (Excel-CRT) Planning Committee, 2018-present
- Member, American Evaluation Association – Translational Research Evaluation Topical Interest Group, 2018-present
- Member, External Advisory Committee, University of Puerto Rico CRECD, 2018-present
- Selected Member, CTSA Program Steering Committee STARWORK Task Force, CTSA Consortium, 2018-present
- Selected Member, Association of American Medical Colleges (AAMC) Physician Scientist Training and Career Development Home Committee, 2018-present
- Member, Academy of Master Educators (AME), School of Medicine, University of Pittsburgh, 2019-2023

- Assistant Vice Chancellor for Clinical Research Education and Training, Schools of the Health Sciences, University of Pittsburgh, 2019-present
- Director, Institute for Clinical Research Education, University of Pittsburgh, 2019-present
- Director, Translational Workforce Development, CTSI, University of Pittsburgh, 2019-present
- Director, Team Science, CTSI, University of Pittsburgh, 2019-present
- Director, Clinical and Translational Science Scholars Program, KL2, CTSI, University of Pittsburgh, 2019-present
- Member, Inclusion Network Committee, Office of Diversity and Inclusion, University of Pittsburgh, 2019-present
- Member, Women's Health Reproductive Research (WRHR) External Evaluation Advisory Committee, NICHD, 2019-present

Professional Affiliations and Society Memberships

- Member, American Evaluation Association, 2008-present
- Member, Association for Clinical and Translational Science (ACTS), 2012-present

Editorships

- Ad hoc Reviewer, Multiple journals (*Academic Medicine; Addiction; Alcohol Abuse, Alcoholism; Applied Psychological Measurement; Clinical and Translational Science, Drug and Alcohol Dependence; Drug and Alcohol Review; Environmental Health Perspectives, Evaluation & the Health Professions; Journal of Abnormal Psychology; Journal of Continuing Education in the Health Professions; Journal of Gerontology; Journal of Investigative Medicine; Journal of Pharmacy Practice and Research, Journal of Social Service Research; Journal of the American Geriatrics Society; Psychological Measurement; Psychology of Addictive Behaviors; Statistics in Medicine; and Structural Equation Modeling Journal*), 1994-present
- Editorial Board, *Journal of Clinical and Translational Science*, 2017-present

Major Lectureships and Seminars

- Session Presenter, AAMC GREAT Group MD/PhD Section, Professional Development Meeting, Washington, DC, July 2019
- Session Presenter, Howard University, Washington, DC, September 2019
- Session Presenter, Morehouse School of Medicine, Atlanta, GA, October 2019
- Presenter, National Science Foundation INCLUDES National Network, Annual Conference on Understanding Interventions that Broaden Participation in Science (Canceled), San Antonio, TX, March 2020

Rebecca L. Sands, DO

In her role as Associate Program Director for the Hospice and Palliative Medicine Fellowship, Dr. Sands has focused on curricular changes, such as the development of a summer intensive 5-session course on fundamentals of communication skill in palliative care and development of a written assessment tool to allow faculty to provide effective feedback to learners of all levels regarding effective communication in serious illness. In addition to these educational roles, Dr. Sands has taken on the role of Grand Rounds Course Director for the section and has restructured the series to focus on the overlap between palliative care and other subspecialties, aiming to improve clinical excellence and continued optimization of patient quality of life.

Advisory Committee Memberships and Leadership Positions

- Director, Palliative Care Grand Rounds Series, 2014-present
- Member, American Academy of Hospice and Palliative Medicine Fellowship Grant Advisory Group, 2018-2019

Jane O. Schell, MD

Dr. Schell's research centers on physician communication skills training. She has developed and

measured outcomes for a communication curriculum for nephrology fellows on palliative care topics.

Advisory Committee Memberships and Leadership Positions

- Member, Coalition for the Supportive Care of Kidney Patients, 2013-present
- Ambassador, Supportive Care, American Society of Nephrology, 2016-present
- Chair and Co-Founder, Kidney Special Interest Group, American Academy of Hospice and Palliative Medicine, 2017-2019
- Advisor, Palliative Care, Dialysis Clinic, Inc., 2019-present
- Clinical Director, Palliative care program for Heart and Vascular Institute, 2019-present

Professional Affiliations and Society Memberships

- Member, American Society of Nephrology, 2009-present
- Member, American Academy of Hospice and Palliative Medicine, 2012-present
- Faculty, National Kidney Foundation, 2016-present
- Member, National Kidney Foundation, 2016-present

Editorships

- Editorial Board, *American Journal of Kidney Disease*, 2016-present
- Editorial Board, *Clinical Journal of American Society of Nephrology*, 2018-present

Major Lectureships and Seminars

- Presenter, East by Southeast, Third Annual Update in Nephrology, Pittsburgh, PA, 2019

Honors and Awards

- Palliative Medicine Teaching Award, UPMC Section of Palliative Care and Medical Ethics, 2019
- Emerging Leader, American Academy of Hospice and Palliative Medicine, 2019
- Patient Experience Physician Champion of the Month, University of Pittsburgh Division of General Internal Medicine, 2020

Yael Schenker, MD, MAS

Since joining the Department of Medicine in 2010, Dr. Schenker has collaborated on numerous palliative care research projects. Her primary focus is understanding and improving provision of primary palliative care in oncology. Using mixed methods, her work has uncovered barriers to receipt of specialty palliative and has led to the development and evaluation of a nurse-led primary palliative care intervention called CONNECT. Dr. Schenker has also published widely on topics, including surrogate decision making, informed consent, healthcare advertising, and language barriers.

Study Sections

- Abstract Reviewer, Society of General Internal Medicine National Meeting, 2009-present
- Grant Reviewer, Center for Research on Health Care Internal Scientific Grant Review Committee, University of Pittsburgh, 2014-present
- Reviewer, National Institute on Minority Health and Health Disparities Loan Repayment Program applications, 2018-2019
- Member, Nursing Related Clinical Science (NRCS) Review Panel, Center for Scientific Review, National Institute of Health, 2019
- Member, Scientific Review Committee, Annual Career Development Award, Pilot Exploratory Funding Mechanism, National Palliative Care Research Center, 2019-present
- Reviewer, Scientific and quality improvement project proposals, 2020 Annual Assembly of Hospice and Palliative Care, 2019-present

Advisory Committee Memberships and Leadership Positions

- Director, Palliative Care Research, Section of Palliative Care and Medical Ethics, Division of General Internal Medicine, University of Pittsburgh, 2014-present
- Director, Team Science, University of Pittsburgh Clinical and Translational Science

Institute, 2019-present

- Co-Chair, Society of General Internal Medicine Annual Meeting, 2020-2021

Professional Affiliations and Society Memberships

- Member, Society of General Internal Medicine, 2007-present
- Member, American Association of Hospice and Palliative Medicine, 2011-present
- Member, Board Certified in Hospice and Palliative Medicine, 2012-present

Editorships

- Peer Reviewer, *Palliative Care Topics*, *UpToDate*, 2018-present

Major Lectureships and Seminars

- Speaker, Stanford University, Palliative Care Grand Rounds, Palo Alto, CA, January 2020
- Speaker, University of Puerto Rico, Medicine Grand Rounds, San Juan, Puerto Rico, January 2020
- Speaker, State of the Science in Hospice and Palliative Care, Annual Meeting (Canceled), San Diego, CA, March 2020
- Speaker, Palliative Care Research Postdoctoral Collaborative, Webinar, June 2020

Honors and Awards

- Participant, AAMC Mid-Career Women Faculty Leadership Development Seminar, 2019
- Emerging Leader in Hospice and Palliative Medicine, American Academy of Hospice and Palliative Medicine, 2020
- Fellow of the Academy of Hospice and Palliative Medicine (FAAHPM), American Academy of Hospice and Palliative Medicine, 2020

Gaetan S. Sgro, MD

Dr. Sgro is a leader in quality improvement, the medical humanities, and narrative medicine. His scholarly work aims to cultivate patient-centeredness, promote positive professional identity formation, and increase fulfillment in the work of doctoring through storytelling and the arts.

Advisory Committee Memberships and Leadership Positions

- Associate Program Director, University of Pittsburgh Medical Center Internal Medicine Residency Program, 2020-present

Professional Affiliations and Society Memberships

- Member, Society of General Internal Medicine

Editorships

- Associate Editor, *SGIM Forum*, 2017-present
- Reviewer, *The American Journal of Medicine Perspectives*, 2017-present

Major Lectureships and Seminars

- Invited Speaker, Pennsylvania Chapter of the American College of Physicians, Annual Meeting, Harrisburg, PA, November 2019
- Plenary Speaker, Society of General Internal Medicine Mid-Atlantic Chapter, Annual Meeting, Pittsburgh, PA, November 2019

Honors and Awards

- John Derrickson Early Career Physician Service Excellence Award, Pennsylvania Chapter of the American College of Physicians, November 2019
- Chief of Staff Clinical Excellence Award, VA Pittsburgh Healthcare System, January 2020

Jaime E. Sidani, PhD, MPH

Dr. Sidani's main research interests include adolescent health behavior and tobacco use prevention, with a specific focus on media and technology. She is funded through the Fine Foundation to optimize mental health in the age of social media and the National Cancer Institute to leverage Twitter to

monitor nicotine and tobacco-related cancer communication.

Advisory Committee Memberships and Leadership Positions

- Assistant Director, Center for Research on Media, Technology, and Health, 2014-2020
- Assistant Director, Center for Behavioral Health, Technology, and Media, 2020-present

Professional Affiliations and Society Memberships

- Member, American Public Health Association, 2017-present
- Member, American Heart Association, 2019-present
- Member, Society of Behavioral Medicine, 2019-present
- Member, UPMC Hillman Cancer Center Biobehavioral Cancer Control Program, 2020-present
- Member, Pitt Dissemination and Implementation Science Core (DISC), 2020-present

Editorships

- Ad-Hoc Reviewer, Multiple journals (*Health Education & Behavior*; *Journal of Medical Internet Research*; *Journal of School Health*; *Addictive Behaviors*; *Tobacco Use Insights*; *Pediatrics*; *Social Science & Medicine*), 2013-present

Major Lectureships and Seminars

- Speaker, University of Pittsburgh Graduate School of Public Health, Social Dynamics & Community Health Speaker Series, October 2019
- Keynote Speaker, St. Vincent College, TMI: Technology, Media & Information Literacy Conference, Latrobe, PA, November 2019
- Oral Symposium Presenter, Society of Behavioral Medicine, 41st Annual Meeting (Canceled), San Francisco, CA, April 2020
- Speaker, Biobehavioral Cancer Control Program, UPMC Hillman Cancer Center, Brain, Behavior, and Cancer Speaker Series, April 2020

Kenneth J. Smith, MD, MS

Dr. Smith is a Professor of Medicine and Clinical and Translational Science and a core faculty member of the Center for Research on Health Care at the University of Pittsburgh. His research centers on the cost-effectiveness of common medical interventions, most notably on pneumococcal, influenza, and varicella vaccination and on the impact of racial disparities in vaccination rates. He has published in many other areas, including pelvic inflammatory disease, influenza management strategies, diabetes prevention and treatment, VA formulary decisions, anticoagulation and thrombotic disorder management, and hospital-physician communication. In addition, Dr. Smith is Deputy Editor of the journal *Medical Decision Making*.

Study Sections

- Member, Abstract Selection Committee, Society for Medical Decision Making, 2001-present
- Member, Abstract Selection Committee, Society of General Internal Medicine, 2004-present

Advisory Committee Memberships and Leadership Positions

- Member, UPMC Clinical Center for Medical Decision Making Education Leadership Committee, 2018-present

Professional Affiliations and Society Memberships

- Member, Society of General Internal Medicine, 1986-present
- Member, Society for Medical Decision Making, 1988-present
- Fellow, American College of Physicians, 1995-present

Editorships

- Deputy Editor, *Medical Decision Making*, 2015-present

Carla L. Spagnoletti, MD, MS

Dr. Spagnoletti's research interest is in the field of medical education, with focus on patient-doctor communication, the patient experience, and professional development. In addition to leading and mentoring numerous medical education research projects, she has obtained and has mentored many others to obtain competitive funding through divisional, institutional, and foundational sources for scholarly educational work.

Study Sections

- Abstract Reviewer, Graduate Medical Leadership Conference, University of Pittsburgh School of Medicine, 2015-present
- Abstract Reviewer, Med Ed day, University of Pittsburgh School of Medicine, 2016-present
- Abstract Reviewer, Department of Medicine Research Day, 2017-present
- Abstract Reviewer, Workshop Submissions for the Society of General Internal Medicine Annual Meeting, 2019-2020
- Abstract Reviewer, Scientific Abstract Submissions for the Society of General Internal Medicine, 2019-2020

Advisory Committee Memberships and Leadership Positions

- Chair, Patient Experiences Committee, Division of General Internal Medicine, University of Pittsburgh, 2013-present
- Director, Academic Clinician Educators Fellowship in General Internal Medicine, 2014-present
- Founding Member, UPMC Patient Experience Physician Advisory Council, 2014-present
- Chair, Society of General Internal Medicine Education Committee (Member since 2015), 2019-present

Professional Affiliations and Society Memberships

- Member, Society of General Internal Medicine
- Member, American College of Physicians
- Member, Association of Chiefs and Leaders in General Internal Medicine
- Member, American Academy on Communication in Healthcare

Editorships

- Ad hoc Reviewer, Multiple journals (*Medical Education*, *MedEdPortal*, *Journal of General Internal Medicine*, *Academic Medicine*), 2015-present
- Editorial Board, *Journal of General Internal Medicine*, 2018-present

Major Lectureships and Seminars

- Workshop Presenter, Society of General Internal Medicine Mid-Atlantic, Regional Meeting, Pittsburgh, PA, November 2019

Honors and Awards

- Recipient, MedEdPortal Editor's Choice Special Distinction Award, February 2020
- Recipient, Chancellor's Distinguished Teaching Award, University of Pittsburgh, March 2020



Photo

Dedicated to the field of medical education, Dr. Spagnoletti's commitment to teaching was recognized this year with a Chancellor's Distinguished Teaching Award.

Brielle M. Spataro, MD, MS

Dr. Spataro's research interest include resident resiliency. Her previous research topics have included looking at gender differences in burnout and coping mechanism use, as well as studying differences in coping mechanism use throughout residency.

Advisory Committee Memberships and Leadership Positions

- Director, Ambulatory Education, Shadyside Hospital, Internal Medicine Residency Program, 2018-present

- Associate Program Director, Shadyside Hospital, Internal Medicine Residency Program, 2019-present
- Physician Unit Partner, 3 Pavilion, UPMC Shadyside, 2019-present

Professional Affiliations and Society Memberships

- Member, Society of General Internal Medicine
- Member, Association of Program Directors in Internal Medicine (APDIM)
- Member, American Board of Internal Medicine (ABIM)
- Member, Pennsylvania Medical Society

Editorships

- Abstract Reviewer, Association for Medical Education in Europe (AMEE), 2020
- Peer Reviewer, *Journal of General Internal Medicine*, 2020

Honors and Awards

- Awardee, Top Physicians Under 40, Pennsylvania Medical Society

Jamie L. Stern, MD, MPH

Dr. Stern teaches a first-year medical student course at the University of Pittsburgh on patient/physician communication. In addition, she teaches third- and fourth-year medical students who have chosen to participate in a women's health elective.

Advisory Committee Memberships and Leadership Positions

- Member, Board, Planned Parenthood of Western Pennsylvania, 2016-present

Katie J. Suda, PharmD, MS

Dr. Suda's area of research is pharmacoepidemiology, especially in the area of antimicrobials, and dual use of VA and non-VA health care. Currently, she is researching antibiotics and opioids in dental prescribing, including a focus on veteran use of multiple health care systems.

Study Sections

- Ad hoc Reviewer, Canadian Institutes of Health Research (CIHR), 2018-present
- Reviewer, HSR&D Randomized Program Evaluation and Quality Enhancement Research Initiative (QUERI) panels (HQ6, HQ7, HQ8, HS8A), 2019-2020
- Abstract Reviewer, Society of Healthcare Epidemiology of America, 2019-present
- Member, Scientific Merit Review Board, HSR&D Randomized Program Evaluation and Quality Enhancement Research Initiative (QUERI) panels (HQ6, HQ7, HQ8, HS8A), 2019-present
- Abstract Reviewer, International Society of Pharmacoepidemiology, 2020-present
- Reviewer, Judge, Department of Medicine Research Day, 2020-present

Advisory Committee Memberships and Leadership Positions

- Member, Steering Committee, Infectious Disease Education Network (ID-EN), 2017-present
- Consultant, American Dental Association Council of Scientific Affairs, 2018-present
- Chair, Optum Data Users Group, University of Pittsburgh Division of General Internal Medicine, 2020-present
- Member, Optum Executive Committee, University of Pittsburgh, 2020-present
- Vice Chair, Awards and Nominations Committee, American Colleges of Clinical Pharmacy, 2020-present

Professional Affiliations and Society Memberships

- Member, American Society of Health-System Pharmacists, 1997-present
- Member, American College of Clinical Pharmacy, 1999-present
- Member, Society of Infectious Disease Pharmacists, 2000-present
- Member, American Society of Microbiology, 2000-present

- Member, American Association of Colleges of Pharmacy, 2006-present
- Member, Society for Healthcare Epidemiology of America, 2015-present
- Member, International Society of Pharmacoepidemiology, 2016-present

Editorships

- Ad hoc Reviewer, Multiple journals (*PLoS ONE*, *BMJ Open*, *Clinical Infectious Diseases*, *JAMA Network Open*), 2018-present

Major Lectureships and Seminars

- Panel Member, IQVIA, Health Services Research Network Meeting, Boston, MA, October 2019
- Speaker, AACP INSight 2.0, Interim Meeting, Rio Mar, Puerto Rico, February 2020
- Speaker, ACCP Ambulatory Care, Review Course, Las Vegas, NV, March 2020
- Facilitator, Society for Healthcare Epidemiology of America, Annual Meeting (Canceled), Atlanta, GA, April 2020
- Speaker, Peggy Lillis Foundation, 2020 National C. diff Advocacy Summit, April 2020
- Keynote Speaker, Antimicrobial Stewardship Consortium, SC, May 2020

Honors and Awards

- Top Oral Abstract, SHEA, ID Week, Washington, DC, October 2019

Galen E. Switzer, PhD

Dr. Switzer is an expert regarding the motives and experiences of individuals who join an adult stem-cell donation registry and volunteer to donate to a stranger. In collaboration with the U.S.-based National Marrow Donor Program, U.K.-based Anthony Nolan Registry, and German-based D.K.M.S., his research group has become internationally known for its findings about registry members' experience at critical points leading to donation, as well motivations for joining the registry and factors associated with opting-out after having preliminarily matched a patient in need of a transplant. Dr. Switzer has also investigated the donation experience from the donor perspective. Finally, for more than 20 years, he has developed and evaluated clinical and psychosocial research measures and compiled validated measures for research projects across multiple contexts.

Study Sections

- Ad hoc Reviewer, Grant Proposals, Center for Research on Health Care, Division of General Internal Medicine, University of Pittsburgh School of Medicine, 1998-present

Advisory Committee Memberships and Leadership Positions

- Core Faculty Member, Center for Health Equity Research and Promotion, VA Pittsburgh Healthcare System, 2001-present
- Member, Donor/Patient Safety Monitoring Board, National Marrow Donor Program, 2004-present
- Director, PhD Program in Clinical and Translational Science, Institute for Clinical Research Education, University of Pittsburgh School of Medicine, 2007-present
- Co-Chair, Donor Health and Safety Working Committee, Center for International Blood and Marrow Transplant Research, 2015-present
- Co-Director, VA Post-Doctoral Fellowship in Health Services Research, Center for Health Equity Research and Promotion, VA Pittsburgh Healthcare System, 2015-present
- Member, PhD Security Task Force, University of Pittsburgh School of Medicine, 2015-present
- Member, IRB Committee, VA Pittsburgh Healthcare system, 2017-present

Editorships

- Ad hoc Reviewer, Multiple journals (*Social Problems*, *American Journal of Kidney Disease*, *Health Psychology*, *Journal of Applied Social Psychology*, *Bone Marrow Transplantation*, *Biology of Blood and Marrow Transplant*), 1994-present

John A. Szymusiak, MD, MS

Dr. Szymusiak's research interests include medical education of medical students and residents, patient safety, quality improvement, and interdisciplinary collaboration.

Advisory Committee Memberships and Leadership Positions

- Member, Med-Peds Residency Program Education Committee, UPMC Internal Medicine-Pediatrics, 2011-present
- Interviewer, University of Pittsburgh Medical Center, Internal Medicine-Pediatrics applicants, 2015-present
- Member, Clinical Competency Committee, Internal Medicine-Pediatrics Residency Program, University of Pittsburgh Medical Center, 2015-present
- Associate Director, Pediatric Residents Interested in Medical Education, UPMC Children's Hospital of Pittsburgh, 2017-present
- Director, Pediatric Resident Education in Quality and Safety, UPMC Children's Hospital of Pittsburgh, 2017-present
- Interviewer, Pediatric Hospitalist Medicine Fellowship, UPMC Children's Hospital of Pittsburgh, 2017-present
- Member, Leadership in Education and Patient Safety Committee, University of Pittsburgh Medical Center, 2017-present
- Member, Pediatric Hospitalist Fellowship Selection Committee, UPMC Children's Hospital of Pittsburgh, 2017-present
- Member, Learners Teachers Leaders Hospitalist Medicine Group, University of Pittsburgh Medical Center, 2017-present
- Member, Curriculum Committee, University of Pittsburgh School of Medicine, 2018-present
- Member, Retention Committee, University of Pittsburgh School of Medicine, 2018-present
- Volunteer, UPMC Physicians for Physicians, Peer to Peer Support Group for Second Victims, University of Pittsburgh Medical Center, 2018-present
- Invited Member, University of Pittsburgh School of Medicine Task Force on Professionalism, 2019
- Co-Director, Pediatric Inpatient Medicine Clerkship, University of Pittsburgh School of Medicine, 2019-2020
- Invited Member, University of Pittsburgh School of Medicine Curriculum Reform Task Force, 2019-present
- Member, University of Pittsburgh Medical Center Pediatrics Program Leadership Committee, 2019-present
- Member, Internal Medicine Hospitalist Patient Experience Working Group, 2019-present
- Member, Enhancing the Learning Environment at PittMed (ELEAP) Committee, University of Pittsburgh School of Medicine, 2019-present
- Assistant Program Director, UPMC Internal Medicine-Pediatrics Residency Program, 2020-present
- Co-Chair, Clinical Curriculum Reform Subcommittee, University of Pittsburgh School of Medicine, 2020-present
- Co-Director, Pediatrics Clerkship, University of Pittsburgh School of Medicine, 2020-present
- Member, Leaders in Education Across Pediatrics (LEAP) Committee, 2020-present

Professional Affiliations and Society Memberships

- Member, American Academy of Pediatrics, 2011-present
- Member, American Academy of Pediatrics Section on Med-Peds, 2011-present
- Member, American Academy of Pediatrics Section on Pediatric Hospital Medicine, 2019-present

- Member, Society of Hospital Medicine, 2020-present

Editorships

- Reviewer, *Journal of General Internal Medicine*, 2017-present

Major Lectureships and Seminars

- Oral Plenary, Pediatric Hospital Medicine, Seattle, WA, July 2019
- Invited Panelist, Mid-Atlantic Regional Society of General Internal Medicine Meeting, Pittsburgh, PA, November 2019
- Oral Plenary, Council on Medical Student Education in Pediatrics (COMSEP), 2020 National Meeting (Canceled), Cincinnati, OH, March 2020
- Oral Plenary, Accreditation Council for Continuing Medical Education, (Canceled), Chicago, IL, May 2020

Honors and Awards

- Awardee, University of Pittsburgh School of Medicine Professionalism Accolade, 2019
- Second Place Award in Quality, UPMC Presbyterian-Shadyside 2019/2020 Quality and Safety Fair, 2020

Gary H. Tabas, MD

Dr. Tabas is interested in studying Bayesian virtual patient design to teach the management of diabetic ketoacidosis. He collaborates with Dmitriyi Babichenko in the University of Pittsburgh School of Information Science.

Advisory Committee Memberships and Leadership Positions

- Member, Shadyside Hospital Foundation Competitive Research Fund Review Committee, 2019-2020
- Presentation Group Member, Clinical Skills Workshop, American College of Physicians Internal Medicine Meeting, Philadelphia, PA, (Canceled), Los Angeles, CA, April 2020

Professional Affiliations and Society Memberships

- Master, American College of Physicians, 2017-present
- Member, Society of General Internal Medicine, 2019-2020

Editorships

- Editor, *Annals Virtual Patients*, *Annals of Internal Medicine*, and American College of Physicians, 2011-2019

Honors and Awards

- Patient Experiences Physician Champion of the Month, June 2020

Holly N. Thomas, MD, MS

Dr. Thomas seeks to conduct innovative, interdisciplinary, patient-centered clinical research that will improve the health and quality of life of women as they age. In particular, she is interested in understanding the physical and psychosocial factors that contribute to sexual dysfunction in midlife and in older women and developing behavioral treatment options for this population.

Study Sections

- Poster Judge, North American Menopause Society, Annual Meeting, 2019
- Poster Judge, Society of General Internal Medicine, Regional Meeting, 2019
- Peer Reviewer, Department of Medicine Research Day, University of Pittsburgh, 2020 *Cancelled due to COVID-19 pandemic*
- Peer Reviewer, Women's Health Scientific Abstracts and Workshops, Society of General Internal Medicine National Meeting, 2013-present
- Reviewer, Early Career Reviewer Program, Center for Scientific Review, National Institutes of Health, 2019-present

Advisory Committee Memberships and Leadership Positions

- Director, Comparative Effectiveness Research Track, Institute for Clinical Research Education (ICRE), University of Pittsburgh, Pittsburgh, PA, 2017-present
- Chair, North American Menopause Society Mentoring Program, 2019-present
- Member, Scientific Program Committee, North American Menopause Society, Annual Meeting, 2019-present
- Member, Department of General Internal Medicine New Faculty Recruitment Committee, 2019-present
- Member, Department of General Internal Medicine Diversity Committee, 2020-present

Professional Affiliations and Society Memberships

- Member, Society of General Internal Medicine, 2011-present
- Member, North American Menopause Society, 2018-present

Editorships

- Associate Editor, *Journal of General Internal Medicine*, 2020-present
- Peer Reviewer, Multiple journals (*Journal of General Internal Medicine*, *Journal of Women's Health*, *Health Psychology*, *Journal of Aging*, *Menopause*, *Contraception*), 2019-present

Major Lectureships and Seminars

- Oral Plenary Presenter, North American Menopause Society, National Meeting, Chicago, IL, October 2019
- Invited Speaker, Department of Medicine Grand Rounds, Pittsburgh, PA, November 2019
- Workshop Presenter, Society of General Internal Medicine, National Meeting (Canceled), Birmingham, AL, May 2020

Honors and Awards

- Highest Rated Abstracts, North American Menopause Society, Annual Meeting, Chicago, IL, October 2019
- NAMS/Ferdinand Labrie Vaginal and Sexual Health Award, North American Menopause Society, Chicago, IL, October 2019
- Best Clinical Vignette (Mentee Award), Society of General Internal Medicine, Regional Meeting, Pittsburgh, PA, November 2019

Andrew L. Thurston, MD

Dr. Thurston's educational interests include empathetic communication skills training using standardized patients. He is a trained facilitator for simulated communications skills workshops, and is also helping to facilitate empathetic communication skills training for obstetrical anesthesiology residents. Interests also include the integration of medical humanities into the hospital setting.

Advisory Committee Memberships and Leadership Positions

- Medical Director, UPMC Mercy Palliative Care, 2013-present
- Member, UPMC Mercy Ethics Committee, 2013-present
- Co-Director, Area of Concentration Humanities, Ethics, and Palliative Care, University of Pittsburgh School of Medicine, 2017-present

Professional Affiliations and Society Memberships

- Member, American Association of Hospice and Palliative Medicine, 2014-present
- Fellow, American Association of Hospice and Palliative Medicine, 2019-present

Editorships

- Peer Reviewer, *Journal of Supportive Care in Cancer*, 2019-present

Major Lectureships and Seminars

- Guest Lecturer, University of Pittsburgh at Johnstown, Medical Humanities Program, November 2019

Sarah A. Tilstra, MD, MS

Dr. Tilstra has participated in several medical education research projects. Her main research interests include clinical reasoning, physician wellness, burnout and coping, curriculum development and evaluation, and the state of women in academic medicine.

Study Sections

- Abstract Judge, UPMC Medical Education, 18th Annual GME Leadership Conference, 2019
- Abstract Judge, UPMC, Annual Med Ed Day, 2019
- Abstract Judge, UPMC Medical Education, 9th Annual GME Leadership Conference, 2020

Advisory Committee Memberships and Leadership Positions

- Member, Women's Health Scientific Abstract Awards Committee, Society of General Internal Medicine, 2013-present
- Member, Women's Health Education Interest Group, Society of General Internal Medicine, 2013-present
- Member, Women's Prevention Services Initiative, Dissemination and Implementation Steering Committee, Society of General Internal Medicine Liaison

Professional Affiliations and Society Memberships

- Member, Society of General Internal Medicine, 2011-present
- Fellow, American College of Physicians, 2015-present
- Editorships
- Executive Editor, *Sex and Gender-Based Women's Health: A Practical Curriculum for Primary Care*, Springer Publishing, 2018-present

Major Lectureships and Seminars

- Invited Presenter, Persad Center, 4th Annual Professional Conference on Transgender Health, Pittsburgh, PA, October 2019
- Invited Presenter, Shadyside Hospital Internal Medicine Grand Rounds, University of Pittsburgh, Grand Rounds, Pittsburgh, PA
- Invited Presenter, University of Pittsburgh School of Nursing, Pittsburgh, PA
- Workshop Presenter, American College of Physicians, National Meeting (Canceled), Los Angeles, CA

Honors and Awards

- Clinical Educator of the Year Award, University of Pittsburgh School of Medicine
- Sheldon Adler Award for Innovation in Medical Education, University of Pittsburgh School of Medicine

Eloho O. Ufomata, MD, MS

Dr. Ufomata's research interests include curriculum development and evaluation in the areas of LGBTQ health, cross cultural communication and mentorship of trainees and faculty who are underrepresented in medicine.

Advisory Committee Memberships and Leadership Positions

- Member, Diversity Faculty Advisory Group, University of Pittsburgh School of Medicine, 2017-present
- Elected Member, Curriculum Committee, University of Pittsburgh School of Medicine, 2018-present
- Faculty Advisor, Coalition of Fellows and Residents of Color (CROC) Employee Resource Group, UPMC Graduate Medical Education, 2018-present
- Advisory Dean, University of Pittsburgh School of Medicine, 2019-present
- Faculty Advisor, Honor's Council, University of Pittsburgh School of Medicine, 2019-present
- Co-Lead, Social Medicine thread, University of Pittsburgh School of Medicine, 2020-present

- Member, Dean's Rapid Response Team, University of Pittsburgh School of Medicine, 2020-present

Professional Affiliations and Society Memberships

- Member, Society of General Internal Medicine, 2015-present
- Fellow, American College of Physicians, 2019-present

Major Lectureships and Seminars

- Presenter, UPMC Health Plan, 2019
- Presenter, Trans Pride PGH Pride, Annual Professional Conference, 2019
- Presenter, UPMC Medical Education, Townhall Meeting, June 2020
- Presenter, Academy of Master Educators, June 2020

Honors and Awards

- "Rising Star" Award, Gateway Medical Society, 2019
- Appreciation Award for Outstanding Commitment and Leadership for Co-Chairing the Society of General Internal Medicine Mid-Atlantic Region Meeting, Society of General Internal Medicine, 2019
- Special Distinction for Curriculum for Internal Medicine Residents of Primary Care of Patients Identifying as Lesbian, Gay, Bisexual or Transgender, MedEdPortal Editor's Choice, 2019



Photo

In 2019, Dr. Ufomata was named a "Rising Star" by the Gateway Medical Society due to her commitment to eradicate disparities in healthcare.

Reed W. Van Deusen, MD, MS

Dr. Van Deusen is passionate about teaching and, in particular, he finds great joy in teaching doctor-patient communication skills to learners. He serves as the Course Director for Medical Interviewing, which is a course taken by the first-year medical students in which they hone their interpersonal communication skills.

Advisory Committee Memberships and Leadership Positions

- Member, Working Group on Interprofessional Education, UPSOM, 2016-present
- Member, Enhancing Learning Environment At PittMed (ELEAP) Faculty committee, UPSOM, 2018-present
- Assistant Dean, Human-Based Simulation Education for Office of Medical Education, University of Pittsburgh School of Medicine, 2019-present
- Assistant Dean, Office of Student Affairs, University of Pittsburgh School of Medicine, 2019-present
- Chair, Performance-Based Assessment subcommittee of the Curriculum Committee, UPSOM, 2019-present
- Member, Continuous Curriculum Quality Improvement (CCQI) subcommittee of the Curriculum Committee, UPSOM, 2019-present

Professional Affiliations and Society Memberships

- Member, Association of Standardized Patient Educators, 2016-present
- Member, Directors of Clinical Skills Courses, 2016-present

Major Lectureships and Seminars

- Invited Lecturer, University of Pittsburgh School of Medicine, Medical Education Research Methods And Instructional Design (MERMAID) (Canceled), February 2020
- Presenter, Association of Standardized Patient Educators, National Meeting (Canceled), June 2020

Rachel H. Vanderberg, MD

Advisory Committee Memberships and Leadership Positions

- Co-Chair, General Internal Medicine Grand Rounds, University of Pittsburgh,

2018-present

- Coordinator, Clinician Educator Skills Development Conference, University of Pittsburgh, 2019-present

Professional Affiliations and Society Memberships

- Member, Society of General Internal Medicine, 2015-present
- Member, Alliance for Academic Internal Medicine, 2016-present

Editorships

- Reviewer, *Journal of General Internal Medicine*, 2018-present

Major Lectureships and Seminars

- Co-Presenter, Alliance for Academic Internal Medicine, Academic Internal Medicine Week (Cancelled), Tampa, FL, 2020
- Co-Presenter, Society of General Internal Medicine, 43rd Annual Meeting (Cancelled), Birmingham, AL, 2020

Honors and Awards

- Patient Experience Physician of the Month Award, Division of General Internal Medicine, University of Pittsburgh, 2019
- Professionalism Accolade, University of Pittsburgh Medical School, 2019

Thomas J. Walk, MD

Study Sections

- Peer Reviewer, Workshops, Abstracts, and Clinical Vignettes, Society of General Internal Medicine Annual Meeting, Workshops, Abstracts, and Clinical Vignettes, Society of General Internal Medicine Annual Meeting, 2019-present

Gretchen E. White, PhD

Dr. White's research is diverse and spans the topics of bariatric surgery outcomes, obesity, alcohol use, substance use, and occupational lung disease. She has an overarching interest in epidemiological methods, particularly those related to the design, conduct, and analysis of observational studies, clinical trials, and complex surveys. Dr. White has worked as an epidemiologist for the Centers for Disease Control and Prevention, as an analyst for the Epidemiological Data Center in the University of Pittsburgh Graduate School of Public Health, as a Senior Research Analyst providing technical and statistical expertise in the Department of Surgery at the University of Pittsburgh School of Medicine, and as a Project Scientist on multiple randomized controlled trials in the Institute for Clinical Research Education at the University of Pittsburgh School of Medicine.

Editorships

- Ad hoc Reviewer, Multiple journals (*Alcoholism: Clinical and Experimental Research*, *BMJ*, *International Journal of Epidemiology*, *Obesity Surgery*, *Surgery for Obesity and Related Diseases*), 2019-present

J. Deanna Wilson, MD, MPH

Dr. Wilson's research interests include reducing substance use-related health disparities, with an emphasis on opioid use disorders in adolescent and adult populations. Her work includes integrating harm reduction into primary care settings, developing low threshold models of care to improve engagement and retention of vulnerable populations, and improving resilience and coping using mindfulness as a strategy to mitigate chronic pain.

Advisory Committee Memberships and Leadership Positions

- Junior Clinical Expert, Provider's Clinical Support System–American Society of Addiction Medicine, 2019-2020

Professional Affiliations and Society Memberships

- Member, American Society for Addiction Medicine
- Member, Society for Adolescent Health and Medicine
- Member, Society for General Internal Medicine

Editorships

- Peer Reviewer, Multiple journals (*Addiction Medicine, Journal of Health Care for the Poor and Underserved, Journal of Adolescent Health, Substance use and Misuse, Journal of Substance Abuse Treatment, Health Affairs, Journal for Adolescent Health*), 2019-present

Major Lectureships and Seminars

- Presenter, UPMC Children's Hospital of Pittsburgh, Pediatric Grand Rounds, Pittsburgh, PA, December 2019
- Presenter, WPIC, Child Psychiatry Residents, Pittsburgh, PA, 2020
- Presenter, Society for Adolescent Health and Medicine, March 2020 *Cancelled due to COVID-19 pandemic*
- Presenter, Society of General Internal Medicine, Annual Meeting, Birmingham, AL, May 2020 *Cancelled due to COVID-19 pandemic*
- Presenter, Section for Research, Education and Training in Addiction Medicine, Pittsburgh, PA, June 2020

Honors and Awards

- Finalist New Investigator Award, Society for Adolescent Health, Annual Meeting, Virtual, March 2020

Jonathan G. Yabes, PhD

Dr. Yabes is a statistician in the Center for Research on Health Care (CRHC) Data Center, and he collaborates with various investigators in the Schools of Health Sciences on diverse clinical research projects. His research has focused on the analysis of large administrative databases and the design, conduct, and analysis of clinical trials. He is involved in health services research of urologic oncology and acute illness, and he serves as a biostatistician in trials on renal disease, insomnia, diabetes, and critical care. Dr. Yabes has worked on several research studies on hematology, palliative care, and pediatrics. His methodological interest includes survival and competing risks-regression methods, analysis of longitudinal data, missing data techniques, and joint modeling.

Study Sections

- Reviewer, Combat Readiness – Medical Research Program (CRM RP), Department of Defense, 2019-2020

Advisory Committee Memberships and Leadership Positions

- Grader, Applied Qualifying Exam for doctoral students, Department of Biostatistics, June 2020
- Chair, Statistical Data Analyst search committee, Center for Research on Health Care Data Center, 2020

Professional Affiliations and Society Memberships

- Member, Eastern North American Region of the Biometric Society, 2011-present
- Member, American Statistical Association, 2012-present

Editorships

- Reviewer, Multiple journals (*JASN, BMJ Open*), 2018-present

Lan Yu, PhD

Dr. Yu's research has focused on applying advanced psychometric theories such as item-response theory and structural equation modeling to health-related outcomes. She has been the lead psychometrician for the NIH Roadmap Initiative, Patient-Reported Outcome Measurement Information System (PROMIS) Pittsburgh research site since 2007. Her research interests include

large survey data, secondary data analysis, psychometrics, and item-bank development for various patient-reported outcomes.

Study Sections

- Reviewer, Internal Grants, Department of Psychiatry Research Committee, 2010-present
- Reviewer, Combat Readiness – Medical Research Program (CRM RP), Department of Defense, 2019-2020

Editorships

- Ad Hoc Reviewer, Multiple journals (*Behavior Research Methods, Drug Use and Dependence, Sleep, Assessment*), 2018-2019

GRANTS AND CONTRACTS

AWARDED

July 1, 2019 to June 30, 2020

PUBLIC HEALTH SERVICE

INVESTIGATOR	TITLE	AGENCY	ANNUAL DIRECT COSTS	ANNUAL INDIRECT COSTS
Abebe, Kaleab	Tailoring Clinical Interventions for Adolescent Relationship Abuse	NICHD	\$9,918	\$793
Abebe, Kaleab	College Health Center-Based Alcohol and Sexual Violence Intervention	NIAAA	\$20,456	\$11,047
Abebe, Kaleab	Expect Respect Middle School: Shifting Social Norms to Prevent Dating Violence	CDC	\$10,228	\$3,069
Abebe, Kaleab	Creating Peace: Community-based Youth Violence Prevention to Address Racism and Discrimination	NIMHD	\$20,456	\$6,137
Abebe, Kaleab	A Mobile Relational Agent to Enhance Atrial Fibrillation Self-care	NHLBI	\$106,499	\$31,580
Abebe, Kaleab	Comparison of Dendritic Cell-Based Therapeutic Vaccine Strategies for HIV Functional Cure	NIAID	\$35,198	\$8,587
Althouse, Andrew W.	Cardiac Resynchronization in the Elderly: Piloting Pacemaker vs. Defibrillator Therapy	NHLBI	\$7,216	\$4,077
Arnold, Robert M.	A Stepped Wedge Trial of an Intervention to Support Family Members in ICUs (Supplement)	NINR	\$23,993	\$13,556
Blosnich, John R.	Patterns of Alcohol Use and Alcohol-Related Care Among Transgender Persons	NIAAA/University of Washington	\$12,997	\$7,344
Borrero, Sonya	Pittsburgh Girls Study: Substance Use and HIV Risk Behaviors/STI in Young Adulthood	NIDA	\$3,336	\$1,885
Borrero, Sonya	Developing and Testing a Decision Support Tool for Women Making Tubal Sterilization Decisions	NCMHD	\$594,954	\$164,086
Borrero, Sonya	Pittsburgh Girls Study: Substance use and HIV Risk Behaviors/STI in Young Adulthood	NIDA	\$1,088	\$615
Bulova, Peter	Role of midlife cardiovascular disease on Alzheimers Pathology and cerebrovascular reactivity in the young-old	NIA	\$11,163	\$6,307
Bulova, Peter	Neurodegeneration in Aging Down Syndrome (NiAD): A Longitudinal Study of Cognition and Biomarkers of Alzheimer's Disease	NIA	\$9,647	\$5,210
Chang, Chung-Chou	Increasing Equity in Transplant Evaluation and Living Donor Kidney Transplantation	NIDDK	\$166,798	\$79,259
Chang, Chung-Chou	Mild Cognitive Impairment: A Prospective Community Study	NIA	\$24,211	\$13,074
Chang, Chung-Chou	Sepsis Endotyping Using Clinical and Biological Data	NIGMS	\$5,898	\$3,332
Chang, Chung-Chou	Optimizing Pediatric Subspecialty Care Through Telemedicine and e-Consultations	NICHD	\$1,550	\$124
Chang, Chung-Chou	The Effects of State Sepsis Mandates on Hospital Mortality, Health Care Utilization and Costs	AHRQ	\$23,655	\$13,365

PUBLIC HEALTH SERVICE

INVESTIGATOR	TITLE	AGENCY	ANNUAL DIRECT COSTS	ANNUAL INDIRECT COSTS
Chang, Chung-Chou	Risk Factors for MCI and Dementia in a Diverse Senior Cohort	NIA	\$11,622	\$6,566
Chang, Chung-Chou	Alzheimer Neuroimaging-Biomarkers in Pre-Clinical Cognitive Decline from a Population-Based Study	NIA	\$11,902	\$6,427
Chang, Chung-Chou	Examining the Quality of Opioid Use Disorder Treatment in a Medicaid Research Network	NIDA	\$23,803	\$13,449
Chang, Chung-Chou	Autonomous Diagnosis and Management of the Critically Ill During Air Transport (ADMIT)	NHLBI	\$8,625	\$4,873
Chang, Chung-Chou	The NICU Antibiotics and Outcomes (NANO) Trial	NICHHD	\$30,585	\$17,281
Chang, Chung-Chou	Educational strategies to promote post-extubation non-invasive ventilation in patients with acute respiratory failure	NHLBI	\$23,655	\$13,365
Chang, Chung-Chou	Organizational Strategies for Improving Evidence-Uptake in Intensive Care	NHLBI	\$14,599	\$8,248
Chang, Chung-Chou	5/6 COMpAAAS U24: Resource in Informatics and Biostatistics (RIB)	NIAAA/Yale University	\$9,739	\$5,503
Chang, Chung-Chou	Clinical, Genetic, and Proteomic Risk Factors for Pulmonary Hypertension in Heart Failure	NHLBI/Vanderbilt University	\$10,873	\$6,142
Chu, Kar Hai	Leveraging Mobile Applications and Social Network Analysis to Maximize Tobacco Cessation	NCI	\$135,120	\$10,570
Chu, Kar Hai	Leveraging Twitter to Monitor Nicotine and Tobacco Related Cancer Communication	NCI	\$251,244	\$120,308
Chu, Kar Hai	Leveraging Twitter to monitor nicotine and tobacco-related cancer communication	NCI/University of Arkansas	\$128,376	\$71,609
Davis, Esa	Comparison of Two Screening Strategies for Gestational Diabetes	NICHHD	\$247,815	\$112,216
Davis, Esa	Postpartum Weight Retention and Cardiometabolic Disparities: The Effects of Contextual, Psychosocial, and Behavioral Factors	NHLBI	\$21,539	\$12,170
Davis, Esa	Cancer Center Tobacco Cessation Program: "Now's the Time - Quit Tobacco for Life"	NCI	\$36,534	\$20,641
Davis, Esa	Comparative Effectiveness of Post-Discharge Strategies for Hospitalized Smokers	NHLBI/Massachusetts General Hospital	\$200,036	\$113,021
Escobar-Viera, Cesar Gabriel	Social Media Use and Depression Outcomes among U.S. Lesbian, Gay, and Bisexual Young Adults	NIMHD	\$127,049	\$10,164
Escobar-Viera, Cesar Gabriel	The Center for Enhancing Triage and Utilization for Depression and Emergent Suicidality (ETUDES) in Pediatric Primary Care	NIMH	\$24,932	\$14,086
Essien, Utibe R.	UCSF Research in Implementation Sciences for Equity (RISE 2)	NHLBI/University of California - San Francisco	\$11,500	\$920
Gellad, Walid	Using Machine Learning to Predict Problematic Prescription Opioid Use and Opioid Overdose	NIDA	\$466,807	\$112,511
Gellad, Walid	Enhancing the Access and Quality of Medication-Assisted Treatment (MAT) for Individuals with Opioid Use Disorder (OUD) in Rural Pennsylvania's Medicaid Primary Care Practices	AHRQ/Commonwealth of Pennsylvania	\$4,097	\$2,315
Gellad, Walid	Developing and Evaluating a Machine-Learning Opioid Prediction & Risk-Stratification E-Platform (DEMONSTRATE)	NIA/University of Florida	\$12,927	\$7,304

PUBLIC HEALTH SERVICE

INVESTIGATOR	TITLE	AGENCY	ANNUAL DIRECT COSTS	ANNUAL INDIRECT COSTS
Gellad, Walid	Dental Prescribing of Antibiotics and Opioids: High Use in the Absence of Evidence	AHRQ/University of Illinois	\$3,133	\$1,770
Gellad, Walid	CDC PDMP OD2A Predictive Analytics Project	CDC/PA Department of Health	\$276,677	\$83,003
Hamm, Megan	OPTIMIZing carE in Chronic Kidney Disease (OPTIMIZE CKD)	NIDDK	\$2,040	\$1,159
Hamm, Megan	PA CARES - Western Pennsylvania Precision Approach to healthCARE Enrollment Site	NIH	\$14,785	\$8,354
Jonassaint, Charles R.	Using Technology to Deliver Evidence-Based Interventions to Underserved Patients with Pain	NHLBI	\$62,417	\$4,993
Jonassaint, Charles R.	Painimation: An Innovative, Technology-Based Method for Measuring Pain Quality, Location and Severity in Sickle Cell Disease	NHLBI	\$49,863	\$28,173
Jonassaint, Charles R.	The LEND Center at the University of Pittsburgh	HRSA	\$2,414	\$192
Jonassaint, Charles R.	1/2 Sickle Cell Disease and Cardiovascular Risk - Red cell Exchange Trial (SCD-CARRE Trial)	NHLBI	\$16,320	\$9,221
Kapoor, Wishwa	University of Pittsburgh Clinical and Translational Science Institute (KL2) Jacobs	NCATS	\$93,090	\$7,447
Kapoor, Wishwa	University of Pittsburgh Clinical and Translational Science Institute (KL2) - Jha	NCATS	\$127,135	\$10,075
Kapoor, Wishwa	University of Pittsburgh Clinical and Translational Science Institute (KL2) Rodakowski	NCATS	\$19,654	\$1,572
Kapoor, Wishwa	University of Pittsburgh Clinical and Translational Science Institute (KL2) Rosso	NCATS	\$18,103	\$1,448
Kapoor, Wishwa	University of Pittsburgh Clinical and Translational Science Institute (KL2) You	NCATS	\$93,090	\$7,447
Kapoor, Wishwa	University of Pittsburgh Clinical and Translational Science Institute (KL2) Radomski	NCATS	\$137,905	\$11,032
Kapoor, Wishwa	University of Pittsburgh Clinical and Translational Science Institute (KL2) Feghali	NCATS	\$137,905	\$11,032
Kapoor, Wishwa	University of Pittsburgh Clinical and Translational Science Institute (KL2) Hammer	NCATS	\$137,905	\$11,032
Kapoor, Wishwa	University of Pittsburgh Clinical and Translational Science Institute (KL2) Urish	NCATS	\$123,792	\$9,823
Kapoor, Wishwa	University of Pittsburgh Clinical and Translational Science Institute (KL2)	NCATS	\$137,905	\$11,032
Kapoor, Wishwa	University of Pittsburgh Clinical and Translational Science Institute (KL2)	NCATS	\$137,905	\$11,032
Kapoor, Wishwa	University of Pittsburgh Clinical and Translational Science Institute - Culyba	NCATS	\$128,496	\$10,200
Kapoor, Wishwa	University of Pittsburgh Clinical and Translational Science Institute Jalal	NCATS	\$129,366	\$10,269
Kapoor, Wishwa	University of Pittsburgh Clinical and Translational Science Institute Tilstra	NCATS	\$137,905	\$11,032
Kavalieratos, Dio	Integrating Palliative Care with Disease Management to Improve Outcomes Among Patients with Advanced Heart Failure: Interventional Research Career Development	NHLBI	\$122,100	\$9,768
Kavalieratos, Dio	Modification of the Acute Otitis Media Severity of Symptoms of Scale	FDA	\$16,140	\$9,119
Kraemer, Kevin	Comparative Effectiveness of Alcohol and Drug Treatment in HIV-Infected	NIAAA	\$330,822	\$30,438

PUBLIC HEALTH SERVICE

INVESTIGATOR	TITLE	AGENCY	ANNUAL DIRECT COSTS	ANNUAL INDIRECT COSTS
Kraemer, Kevin	Proof of concept study to treat negative affect in chronic low back pain	NIAMS	\$12,105	\$6,839
Kraemer, Kevin	University of Pittsburgh Clinical and Translational Science Institute (TL1)	NCATS	\$1,882,538	\$83,720
Krishnamurti, Tamar P.	Identification and Prediction of Peripartum Depression from Natural Language Collected in a Mobile Health App	NIMH	\$138,062	\$65,372
Liebschutz, Jane	Pain Reduction and Opioid Medication Safety in ESRD (PROMISE) study	NIDDK	\$17,051	\$9,634
Liebschutz, Jane	Appalachian Node	NIDA	\$623,660	\$135,596
Liebschutz, Jane	Appalachian Node	NIDA	\$326,181	\$44,302
McNeil, Melissa Ann	Building Interdisciplinary Research Careers in Women's Health in Pittsburgh	NICHD/Magee Womens Research Institute and Foundation	\$8,785	\$703
McTigue, Kathleen M.	Self-Management via Health Kiosk by Community-Residing Older Adults	AHRQ	\$4,754	\$2,568
McTigue, Kathleen M.	Identifying Personalized Risk of Acute Kidney Injury with Machine Learning	NIDDK/ University of Kansas	\$5,605	\$3,167
McTigue, Kathleen M.	Amplifying Provider Impact on Patient Engagement with an EHR-Integrated Digital Diabetes Program	NIDDK/NYU School of Medicine	\$35,692	\$20,166
McTigue, Kathleen M.	Group-based mindfulness for patients with chronic pain in the primary care setting	NCCIH/Boston Medical Center	\$126,722	\$71,598
Merlin, Jessica	Evaluation of the Efficacy and Mechanism of a Novel Intervention for Chronic Pain Tailored to People Living with HIV	NIMH	\$545,945	\$64,366
Merlin, Jessica	The Impact of Insomnia on Pain, Physical Function, and Inflammation in HIV	NHLBI/University of Alabama at Birmingham	\$20,491	\$11,577
Norman, Marie	Initiative to Mobilize Partnerships for successful Assistive technology Transfer (IMPACT)	Administration for Community Living	\$16,660	\$9,414
Norman, Marie	Initiative to Mobilize Partnerships for Successful Assistive teChnology Transfer (IMPACT)	Administration for Community Living	\$17,115	\$9,670
Radomski, Thomas R.	The Development, Validation, and Application of a Claims-based Metric of Low Value Prescribing in Older Adults	NIA	\$175,019	\$14,002
Rollman, Bruce	Blended Collaborative Care for Heart Failure and Co-Morbid Depression	NHLBI	\$701,021	\$369,436
Rollman, Bruce	Mobile Health Intervention for Rural Atrial Fibrillation	NHLBI	\$12,034	\$6,799
Rollman, Bruce	The Center for Enhancing Triage and Utilization for Depression and Emergent Suicidality (ETUDES) in Pediatric Primary Care (Method Core)	NIMH	\$1,368,345	\$77,311
Rollman, Bruce	The Center for Enhancing Triage and Utilization for Depression and Emergent Suicidality (ETUDES) in Pediatric Primary Care (Admin Core)	NIMH	\$5,958	\$3,366
Rosland, Ann Marie M.	Comparative Effectiveness of Adding Family Supporter Training and Engagement to a CHW-Led Intervention to Improve Behavioral Management of Multiple Risk Factors for Diabetes Complications	NIDDK	\$473,397	\$30,987

PUBLIC HEALTH SERVICE

INVESTIGATOR	TITLE	AGENCY	ANNUAL DIRECT COSTS	ANNUAL INDIRECT COSTS
Rothenberger, Scott	Availability, Accessibility, and Structure of Opioid Use Disorder Treatment and Maternal and Child Health Outcomes	NIDA	\$13,210	\$7,464
Rothenberger, Scott	Mechanisms and Treatment Development for Pan-creatitis Resulting from Alcohol Abuse and Smoking	NIAAA/Cedars-Sinai Medical Center	\$16,400	\$3,682
Rubio, Doris	Leading Emerging and Diverse Scientists to Success (LEADS)	NIGMS	\$400,112	\$26,134
Rubio, Doris	University of Pittsburgh Clinical and Translational Science Institute (KL2) - Wilson	NCATS	\$112,970	\$9,037
Rubio, Doris	University of Pittsburgh Clinical and Translational Science Institute (KL2)-Krishnamurti	NCATS	\$105,629	\$8,451
Rubio, Doris	University of Pittsburgh Clinical and Translational Science Institute (KL2)-Treble	NCATS	\$112,970	\$9,037
Rubio, Doris	University of Pittsburgh Clinical and Translational Science Institute (KL2)-Jalal	NCATS	\$112,970	\$9,037
Rubio, Doris	University of Pittsburgh Clinical and Translational Science Institute (KL2)-Joseph	NCATS	\$112,970	\$9,037
Rubio, Doris	University of Pittsburgh Clinical and Translational Science Institute Institutional Career Development Core - Administrative Supplement	NCATS	\$57,202	\$3,045
Rubio, Doris	Testing the Effectiveness of the Customized Career Development Platform (CCDP): A Cluster Randomized Trial	NCATS	\$165,337	\$70,444
Rubio, Doris	Von Willebrand Disease Minimize Menorrhagia (VWDMin) Trial	NHLBI	\$189,630	\$66,894
Rubio, Doris	University of Pittsburgh Clinical and Translational Science Institute (KL2)	NCATS	\$551,868	\$44,149
Rubio, Doris	University of Pittsburgh Clinical and Translational Science Institute (KL2) - Luo	NCATS	\$111,413	\$8,913
Rubio, Doris	University of Pittsburgh Clinical and Translational Science Institute (KL2) - Rosser	NCATS	\$111,413	\$8,913
Rubio, Doris	University of Pittsburgh Clinical and Translational Science Institute (KL2)-Hailey Bulls	NCATS	\$111,413	\$8,913
Rubio, Doris	University of Pittsburgh Clinical and Translational Science Institute (KL2) Hawkins	NCATS	\$111,510	\$8,921
Rubio, Doris	University of Pittsburgh Clinical and Translational Science Institute (KL2)-Drake	NCATS	\$85,931	\$6,874
Rubio, Doris	University of Pittsburgh Clinical and Translational Science Institute (KL2)-Mustapha	NCATS	\$62,008	\$4,961
Rubio, Doris	University of Pittsburgh Clinical and Translational Science Institute (KL2) - Ragavan	NCATS	\$111,413	\$8,913
Rubio, Doris	University of Pittsburgh Clinical and Translational Science Institute (Admin)	NCATS	\$33,109	\$18,707
Rubio, Doris	University of Pittsburgh Clinical and Translational Science Institute (Admin)	NCATS	\$72,982	\$41,235
Rubio, Doris	University of Pittsburgh Clinical and Translational Science Institute (Team Science)	NCATS	\$384,750	\$208,316
Rubio, Doris	University of Pittsburgh Clinical and Translational Science Institute (Workplace Development)	NCATS	\$403,934	\$224,832
Rubio, Doris	Building Up	NIGMS	\$332,942	\$166,023

PUBLIC HEALTH SERVICE

INVESTIGATOR	TITLE	AGENCY	ANNUAL DIRECT COSTS	ANNUAL INDIRECT COSTS
Schenker, Yael	A Cluster Randomized Trial of a Supportive Care Intervention (CONNECT) for Patients with Advanced Cancer	NCI	\$108,095	\$58,372
Schenker, Yael	Patient-centered and efficacious advance care planning in cancer: the PEACE comparative effectiveness trial	NCI	\$402,994	\$196,720
Smith, Kenneth	Analyzing Adult Pneumococcal Vaccination Implementation in the Underserved	NIAID	\$105,880	\$59,822
Smith, Kenneth	Efficacy of Tympanostomy Tubes for Children with Recurrent Acute Otitis Media	NIDCD	\$4,805	\$2,595
Smith, Kenneth	Analyzing Adult Pneumococcal Vaccination Implementation in the Underserved	NIAID	\$202,500	\$114,413
Suda, Katie J.	Dental prescribing of antibiotics and opioids: high use in the absence of evidence	AHRQ	\$320,095	\$70,578
Switzer, Galen	Improving the Availability of Younger Unrelated Hematopoietic Stem Cell Donors	NHLBI	\$85,897	\$40,237
Switzer, Galen	Identifying Predictors of Poor Health-Related Quality-of-life among Pediatric Hematopoietic Stem Cell Donors	NHLBI	\$451,598	\$115,923
Thomas, Holly	Adaptation and Pilot Testing of a Mindfulness-Based Behavioral Intervention for Older Women with Low Sexual Desire	NIA	\$173,801	\$13,903
Tudorascu, Dana	Immune Airway-Epithelial Interactions in Steroid-Refractory Severe Asthma - Project 1	NIAID	\$13,252	\$7,156
Tudorascu, Dana	Imaging Pathophysiology in Aging and Neurodegeneration - IMS Core C	NIA	\$11,254	\$6,077
Tudorascu, Dana	Role of Midlife Cardiovascular Disease on Alzheimer's Pathology and Cerebrovascular Reactivity in the Young-Old	NIA	\$22,811	\$12,889
Tudorascu, Dana	Menopausal Vasomotor Symptoms and Brain Imaging in Women	NIA	\$7,468	\$4,221
Tudorascu, Dana	Functional Neuroanatomy Correlates of Worry in Older Adults	NIMH	\$3,822	\$2,063
Tudorascu, Dana	Neural Mechanisms of Monoaminergic Engagement in Late-Life Depression Treatment Response (NEMO)	NIMH	\$7,418	\$4,191
Tudorascu, Dana	Evaluation of Brain and Cognitive Changes in Older Adults with MCI Taking Lithium to Prevent Alzheimer's Type Dementia	NIA	\$6,626	\$3,738
Tudorascu, Dana	High Performance Imaging for Assessment of Small Vessel Disease in Older Adults with Depression	NIMH	\$8,809	\$4,977
Tudorascu, Dana	Functional Neuroanatomy Correlates of Worry in Older Adults (Supplement)	NIMH	\$3,422	\$1,933
Tudorascu, Dana	Alzheimer's Disease Research Center-Core A	NIA	\$3,034	\$1,630
Tudorascu, Dana	Imaging Pathophysiology in Aging and Neurodegeneration	NIA	\$7,418	\$4,190
Tudorascu, Dana	Neurodegeneration in Aging Down Syndrome (NiAD): A Longitudinal Study of Cognition and Biomarkers of Alzheimer's Disease	NIA	\$37,770	\$12,318
Tudorascu, Dana	Neurodegeneration in Aging Down Syndrome (NiAD): A Longitudinal Study of Cognition and Biomarkers of Alzheimer's Disease	NIA	\$84,635	\$12,924
Tudorascu, Dana	Neural Mechanisms of Monoaminergic Engagement in Late-Life Depression Treatment Response (NEMO)	NIMH	\$3,822	\$2,159

PUBLIC HEALTH SERVICE

INVESTIGATOR	TITLE	AGENCY	ANNUAL DIRECT COSTS	ANNUAL INDIRECT COSTS
Tudorascu, Dana	Functional Neuroanatomy Correlates of Worry in Older Adults	NIMH	\$3,822	\$2,159
Tudorascu, Dana	Statistical Methods to Improve Reproducibility and Reduce Technical Variability in Heterogeneous Multimodal Neuroimaging Studies of Alzheimer's Disease	NIA	\$287,362	\$132,162
Tudorascu, Dana	Imaging Advancements in Small Vessel and CSF Flow Pathophysiology in Pre-clinical Alzheimer's Disease	NIA	\$12,903	\$7,290
Tudorascu, Dana	Alzheimer's Disease Research Centers - Core C	NIA	\$7,895	\$4,461
Tudorascu, Dana	Alzheimer's Disease Research Center - REC Core	NIA	\$3,948	\$2,231
Wilson, Jacqueline D.	UCSF Research in Implementation Sciences for Equity (RISE 2)	NHLBI/University of California - San Francisco	\$11,900	\$520
Yabes, Jonathan	Cognitive Enhancement Therapy for Adult Autism Spectrum Disorder	NIMH	\$3,646	\$1,970
Yabes, Jonathan	Technology Assisted Stepped Collaborative Care Intervention (TASCCI) to Improve Patient-Centered Outcomes in Hemodialysis Patients	NIDDK	\$7,684	\$4,341
Yabes, Jonathan	20-HETE Formation Inhibitors in Cardiac Arrest	NINDS	\$7,135	\$4,032
Yabes, Jonathan	Cognitive Enhancement for Persistent Negative Symptoms in Schizophrenia	NIMH	\$7,329	\$4,141
Yabes, Jonathan	Organizational Strategies for Improving Evidence-Uptake in Intensive Care	NHLBI	\$14,698	\$8,304
Yu, Lan	Change-Sensitive Measurement of Emotion Dysregulation in ASD	NICHHD	\$29,421	\$15,888
Yu, Lan	Sleep Health Profiles and Mortality Risk in Older Adults: A Multi-Cohort Application of Novel Statistical Methods	NIA	\$12,481	\$7,052
Yu, Lan	Health-Related Quality of Life Among Pediatric Hematopoietic Stem Cell Disorders	NHLBI	\$6,699	\$3,821
Yu, Lan	Reducing Cardiometabolic Risk and Promoting Functional Health in Community-Based Elders with Obesity and Pre-Diabetes: Evaluating Sustainable DPP Follow-up Strategies	NIDDK	\$9,028	\$5,101
Yu, Lan	HEALing LB3P: Profiling Biomechanical, Biological and Behavioral phenotypes	NIAMS	\$15,610	\$8,820
Yu, Lan	Change-Sensitive Assessment of Emotion Dysregulation in ASD Across the Lifespan	NICHHD	\$30,149	\$17,043
Yu, Lan	Creating and Optimizing Mindfulness Measures to Enhance and Normalize Clinical Evaluation	NCCIH/ Northwestern University	\$29,034	\$16,404
Yu, Lan	PROMIS-guided development and validation of a dimensional observer-report measure of positive and negative features of ASD	NIMH/Mt. Sinai Medical Center	\$17,613	\$9,951
TOTAL PUBLIC HEALTH SERVICE			\$18,356,312	\$4,405,043

VETERANS ADMINISTRATION

INVESTIGATOR	TITLE	AGENCY	ANNUAL DIRECT COSTS	ANNUAL INDIRECT COSTS
Abebe, Kaleab	Pittsburgh VAMC Biostatistical Reporting Services	USDVA	\$44,121	\$0
Blosnich, John R.	Health Outcomes and Healthcare Use Among Transgender Veterans	VA HSR&D	\$149,013	\$0
Blosnich, John R.	Using Electronic Health Records to Identify Social Determinants of Health among VISN4 Veterans	VISN4	\$33,453	\$0
Blosnich, John R.	Understanding Suicide Risks among LGBT Veterans in VA Care	VA HSR&D	\$4,374	\$0
Borrero, Sonya	IPA-Kristin Rice	VAMC	\$6,262	\$0
Chang, Chung-Chou	VA IPA - Yende	USDVA	\$47,387	\$0
Fine, Michael J.	Center for Health Equity Research and Promotion	VA HSR&D	\$559,500	\$0
Fine, Michael J.	Primary Care Mental Health Integration Evaluation (LASKY)	VA Serious Mental Illness Treatment, Research, and Evaluation Center	\$118,265	\$0
Fine, Michael J.	CHERP Qualitative Research Core Services (not captured in other entries)	VA HSR&D	\$103,500	\$0
Fine, Michael J.	Daniel Deykin Award for Outstanding Mentor	VA HSR&D	\$5,000	\$0
Fine, Michael J.	Center for Health Equity Research and Promotion (CHERP)	VAMC	\$95,620	\$0
Gellad, Walid	Storm Implementation Program Evaluation	VA HSR&D	\$250,000	\$0
Gellad, Walid	Examining Dual VA and Medicare Receipt of Health Care among Organ Transplant Recipients	VA QUERI	\$49,802	\$0
Gellad, Walid	Medication Safety and Cost Effectiveness Analyses	VA PBM	\$118,582	\$0
Gellad, Walid	Conservative Prescribing: Prescriber Profiling and Education Project	VA/Moore Foundation	\$28,453	\$0
Hausmann, Leslie	Center for Evaluation of Patient Aligned Care Teams	VA Office of Patient Care Services	\$21,517	\$0
Hausmann, Leslie	VHA Equity Explorer: Building An Interactive Equity Dashboard	VA Office of Health Equity	\$198,146	\$0
Hausmann, Leslie	Determining the Feasibility of Using Natural Language Processing to Identify Sources of Patient Perceptions of Discrimination from Provider Notes	CHERP Pilot Project Program	\$39,322	\$0
Hausmann, Leslie	Equity and Quality Aligned (EQuAl)	VA HSR&D	\$30,394	\$0
McNeil, Melissa Ann	WOMEN'S HEALTH FELLOWSHIP	VA OAA	\$264,894	\$0
Rosland, Ann Marie M.	Engaging Veterans and Family Supporters in PACT to Improve Diabetes Management	VA HSR&D	\$58,008	\$0
Rosland, Ann Marie M.	PCAT Primary Care High Risk Patient Workgroup	VA Primary Care Analytic Team	\$199,527	\$0
Rosland, Ann Marie M.	VA Data-Driven 'Smart' Tool to Support Outpatient Care of Complex, High-Risk Veterans	VAPHS Spark, Seed, Spread Investment Program	\$5,127	\$0
Rosland, Ann Marie M.	IPA - Michele Nichols	USDVA	\$26,006	\$0
Switzer, Galen	VA Advanced Fellowship Program in Health Services Research and Development	VA HSR&D	\$9,332	\$0
Switzer, Galen	Advanced Fellowship in Health Services Research Trainee Support	VA OAA	\$56,867	\$0
Yu, Lan	VA IPA - Rosland	USDVA	\$18,102	\$0
TOTAL VETERANS ADMINISTRATION			\$2,540,573	\$0

OTHER FEDERAL

INVESTIGATOR	TITLE	AGENCY	ANNUAL DIRECT COSTS	ANNUAL INDIRECT COSTS
Abebe, Kaleab	Metformin as a Novel Therapy for Autosomal Dominant Polycystic Kidney Disease	DOD	\$128,299	\$50,433
Yu, Lan	Optimizing Patient-Reported and Vascular Outcome Measures in Systemic Sclerosis-Associated Raynaud Phenomenon	DOD	\$14,937	\$8,439
TOTAL OTHER FEDERAL			\$143,236	\$58,872

SOCIETY AND FOUNDATIONS

INVESTIGATOR	TITLE	AGENCY	ANNUAL DIRECT COSTS	ANNUAL INDIRECT COSTS
Abebe, Kaleab	Cognitive Behavioral Therapy and Real-time pain-management Interventions for Sickle cell via Mobile Applications (CaRISMA)	PCORI	\$129,896	\$51,958
Arnold, Robert M.	What We Talk about When We Talk about Surgery: Redesigning the Conceptual Framework for Preoperative Communication about Surgical Intervention	Greenwall Foundation/ University of Wisconsin	\$26,709	\$2,671
Borrero, Sonya	Sexual Reproductive Health in Adult Women with Cystic Fibrosis	Cystic Fibrosis Foundation	\$1,702	\$137
Bui, Diemthuy D.	Case-Based Teaching of Social Determinants of Health: The Social Medicine Case Study Project	American Medical Association	\$10,000	\$0
Chang, Chung-Chou	Risk of long-term opioid use and its sequelae due to opioid prescribing for acute pain	Benter Foundation	\$35,865	\$0
Chang, Chung-Chou	Measurement of Blood-Based Amyloid-Beta Biomarkers by Immuno-Precipitation Mass Spectrometry in a Population Cohort Sub-Group	Alzheimer's Association	\$13,831	\$0
Chang, Chung-Chou	Artificial intelligence-powered emergency care of sepsis	Leon Lowenstein Foundation, Inc.	\$11,956	\$2,391
Chang, Chung-Chou	Clinical and Genetic Determinants of Peripheral Artery Disease, Microvascular Disease, and Major Adverse Limb Outcomes	American Heart Association/ Vanderbilt University	\$5,995	\$600
Fischer, Gary	The STOP STDs Study	Magee Womens Research Institute and Foundation	\$3,874	\$310
Fischer, Gary	Provider-Targeted Behavioral Interventions to Prevent Unsafe Opioid Prescribing for Acute Non-Cancer Pain in Primary Care	PCORI	\$5,838	\$2,335
Gellad, Walid	Provider-Targeted Behavioral Interventions to Prevent Unsafe Opioid Prescribing for Acute Non-Cancer Pain in Primary Care	PCORI	\$19,487	\$7,795
Gellad, Walid	Machine Learning and Opioid Overdoses	Richard King Mellon Foundation	\$184,876	\$0
Gellad, Walid	Conservative Prescribing: Prescriber Profiling and Education Project	Brigham and Women's Hospital, Inc.	\$11,943	\$7,345

SOCIETY AND FOUNDATIONS

INVESTIGATOR	TITLE	AGENCY	ANNUAL DIRECT COSTS	ANNUAL INDIRECT COSTS
Hamm, Megan	Optimizing Outcomes of Treatment-Resistant Depression Older Adults (AKA: OPTIMUM)	PCORI/ Washington University	\$16,629	\$6,652
Hamm, Megan	Provider-Targeted Behavioral Interventions to Prevent Unsafe Opioid Prescribing for Acute Non-Cancer Pain in Primary Care	PCORI	\$24,058	\$9,623
Hamm, Megan	PREDICTOR: Pharmacy Identification and Primary Care Intervention of Older Adults at Risk for Suicide	American Foundation for Suicide Prevention	\$3,264	\$0
Hanmer, Janel Z.	Developing the PROMIS-Preference Score for Monitoring Population Health Outcomes	Robert Wood Johnson Research Institute	\$93,692	\$11,243
Hanmer, Janel Z.	Developing the PROMIS-Preference Score for Monitoring Population Health Outcomes	Robert Wood Johnson Research Institute	\$35,555	\$1,422
Jonassaint, Charles R.	Cognitive Behavioral Therapy and Real-time pain-management Interventions for Sickle cell via Mobile Applications (CaRISMA)	PCORI	\$1,033,495	\$267,551
Kavalieratos, Dio	SARAH: Supporting Families, Aligning Goals, and reducing Avoidable Hospitalizations in Serious Illness	The Milbank Foundation	\$69,808	\$0
Kraemer, Kevin	Provider-Targeted Behavioral Interventions to Prevent Unsafe Opioid Prescribing for Acute Non-Cancer Pain in Primary Care	PCORI	\$935,640	\$210,422
Kraemer, Kevin	Leveraging Integrated Models of Care to Improve Patient-Centered Outcomes for Adults with Complex Health Care Needs	University of Pittsburgh Medical Center	\$309,690	\$123,876
Kraemer, Kevin	Provider-Targeted Behavioral Interventions to Prevent Unsafe Opioid Prescribing for Acute Non-Cancer Pain in Primary Care	PCORI	\$73,356	\$29,341
Krishnamurti, Tamar P.	Infant Mortality Risk Reduction Initiative	Magee Womens Research Institute and Foundation	\$14,277	\$0
McTigue, Kathleen M.	Integrating Patient-Centered Exercise Coaching into Primary Care to Reduce Frailty Fracture	PCORI/Penn State	\$485,156	\$194,063
McTigue, Kathleen M.	A Patient-Centered PaTH to Addressing Diabetes: Impact of State Health Policies on Diabetes Outcomes and Disparities	PCORI/Penn State	\$9,094	\$3,638
McTigue, Kathleen M.	Provider-Targeted Behavioral Interventions to Prevent Unsafe Opioid Prescribing for Acute Non-Cancer Pain in Primary Care	PCORI	\$8,742	\$3,497
McTigue, Kathleen M.	Fostering Stakeholder Engagement Using Patient Stories	PCORI	\$88,260	\$35,304
McTigue, Kathleen M.	A People-Centered Mid-Atlantic Research Network PCORNET 2.0	People-Centered Research Foundation	\$977,557	\$33,314
McTigue, Kathleen M.	A People-Centered Mid-Atlantic Research Network (Site)	People-Centered Research Foundation	\$59,122	\$5,912
McTigue, Kathleen M.	Shared Decision Making for Bariatric Surgery in Patients with Severe Obesity	PCORI/Kaiser	\$87,164	\$34,865

SOCIETY AND FOUNDATIONS

INVESTIGATOR	TITLE	AGENCY	ANNUAL DIRECT COSTS	ANNUAL INDIRECT COSTS
McTigue, Kathleen M.	Using PCORnet to Compare Blood Pressure Control Strategies	PCORnet/Duke University	\$4,751	\$1,899
McTigue, Kathleen M.	Baseline Learning Health System (LHS) Consortium	Verily/Duke University	\$18,473	\$11,363
McTigue, Kathleen M.	Healthcare Worker Exposure Response and Outcomes of Hydroxychloroquine Trial (HERO-HCQ Trial)	PCORnet/Duke Clinical Research Institute	\$273,186	\$1,334
McTigue, Kathleen M.	The Impact of Timing of Eating on Weight Loss: A Multi-Site Cohort Study using the Metabolic Compass Cell Phone Application	American Heart Association/ Johns Hopkins University	\$24,615	\$2,462
Merlin, Jessica	Consensus-based approaches to managing opioids, including opioid misuse and addiction, in ambulatory palliative care: development and dissemination	Cambia Health Foundation	\$83,407	\$6,347
Rollman, Bruce	Optimizing Outcomes of Treatment-Resistant Depression Older Adults (AKA: OPTIMUM)	PCORI/Washington University	\$12,695	\$5,078
Schenker, Yael	Expanding National Capacity and Diversity in Palliative care through Mentorship and Training	Arthur Vining Davis Foundation	\$118,721	\$5,936
Wilson, Jacqueline D.	Risk of long-term opioid use and its sequelae due to opioid prescribing for acute pain	Benter Foundation	\$18,267	\$0
TOTAL SOCIETY AND FOUNDATIONS			\$5,340,646	\$1,080,683

INDUSTRY

INVESTIGATOR	TITLE	AGENCY	ANNUAL DIRECT COSTS	ANNUAL INDIRECT COSTS
Abebe, Kaleab	Riociguat Study in SCD	Bayer Corporation	\$64,505	\$6,374
Chang, Chung-Chou	LIPOS-2 Trial Planning	Sepsicure, LLC	\$36,046	\$22,168
Hanmer, Janel Z.	ENRICH Trial Economic Analysis	Nico Corporation	\$75,980	\$46,727
TOTAL INDUSTRY			\$176,531	\$75,269

PUBLIC HEALTH SERVICE	\$18,356,312	\$4,405,043
VETERANS ADMINISTRATION	\$2,540,573	\$0
OTHER FEDERAL	\$143,236	\$58,872
SOCIETY AND FOUNDATIONS	\$5,340,646	\$1,080,683
INDUSTRY	\$176,531	\$75,269
TOTAL	\$26,557,299	\$5,619,868

TEACHING ACTIVITIES

Educational leadership in internal medicine for our medical students and residents is housed in the Division of General Internal Medicine.

The Vice Chair of Education for the Department of Medicine, **Dr. Melissa McNeil**, is a DGIM faculty member, and other DGIM faculty serve on the Advisory Board of the medical school's Clinical Science Training Program. DGIM also houses the **Institute for Clinical Research Education**, which offers degree (M.S.) and certificate programs in Medical Education and in Clinical Research (directed by **Drs. Carla Spagnoletti** and **Thomas Radomski**, respectively). **Dr. Gregory Bump**, another DGIM faculty member, serves as the Designated Institutional Official for UPMC Medical Education and is Chair of UPMC's Graduate Medical Education Committee. And, this year, **Dr. Thomas Grau** was newly appointed as the Associate Chief of Staff for Education at the VA Pittsburgh overseeing all training programs sponsored through the Veterans Administration.

The Division is responsible for a number of university-wide ongoing continuing education activities that highlight faculty development for educators. These include: Directors of the Academy of Master Educators Faculty Development Seminar Series (**Melissa McNeil, MD**, and **Thomas Painter, MD**); Director of the Medical Education Research and Innovative Design Seminar Series (**Sarah Merriam, MD**, and **Julie Childers, MD**) and Director of the Medical Education Research Works in Progress Seminar Series (**Carla Spagnoletti, MD**).

Medical Students

With Division faculty generating over 17,000 education credit units for the School of Medicine, DGIM faculty members have extensive roles in all phases of the education of medical students. **Dr. Thomas Painter** serves as the Director of Medical Student Education and directs the third-year clerkship and the acting internship, and oversees all internal medicine elective offerings. Division members hold major administrative roles at the medical school, direct multiple courses across all four years of the curriculum, and teach and mentor students. **Dr. Brianna Rossiter** was newly appointed as the Co-Director of the first-year medical student class Introduction to Medical Interviewing, and two DGIM faculty members were newly appointed as Deans at the medical school: **Dr. Raquel Buranosky** as Assistant Dean for Clinical Education and **Dr. Reed Van Deusen** as Assistant Dean for Human Based Simulation Education.

Division faculty members have led the way in innovation for the medical school this year especially as more and more education has become virtual. Examples of medical education innovations led by faculty members include:

- ✦ Part of the leadership committee for developing an academic coaching program for our first- and second-year medical students (**Dr. Melissa McNeil** and **Dr. Drew Klein**).
- ✦ Creating multiple virtual electives for fourth-year medical students which include: Clinical Reasoning 102 (**Sarah Tilstra, MD**, and **Debbie DiNardo, MD**), Medical Decision Making (**Thomas Painter, MD**, and **Melissa McNeil, MD**), Women's Health (**Sarah Tilstra, MD**, and **Melissa McNeil, MD**), and Women in Academic Medicine (**Melissa McNeil, MD**, and **Sarah**

Merriam, MD).

- ✦ Virtual training for the entire clinical skills curriculum including Introduction to Medical Interviewing (**Dr. Brianna Rossiter**), Introduction to the Physical Examination (**Dr. Melissa McNeil**), and Advanced Physical Examination (**Dr. Scott Herrle**).
- ✦ Development of a Social Justice Curriculum for second year medical students lead by **Drs. Eloho Ufomata** and **Diemthuy Bui**.

Additionally, twenty faculty members within the DGIM are currently members of the Academy of Master Educators with **Dr. Michael Elnicki** currently serving as the Director of the Academy. DGIM faculty are routinely honored by the medical school, including the Sheldon Adler Award for Innovation in Medical Education awarded this year to the Clinical Reasoning Task Force including **Sarah Tilstra, MD; Thomas Painter, MD; Eliana Bonifacino, MD; Diemthuy Bui, MD; Deborah DiNardo, MD; Melissa McNeil, MD; and Gary Tabas, MD**, and the Clinical Educator of the Year Awards given to **Sarah Tilstra, MD**, and **Deborah DiNardo, MD**.

Medical Residents

The **Internal Medicine Residency Program**, under the direction of **Dr. Jen Corbelli**, continues to excel in recruitment and curricular innovation. The Internal Medicine Residency prioritizes individualized training within the various tracks and programs that the DGIM offers, which include the Generalist Track (Director: **Amar Kohli**), the Geriatrics Track (Dir: **Karen Scandrett**), the Global Health Track (Dir: **Thuy Bui**), the Women's Health Track (Dir: **Sarah Tilstra**), and the Clinical Science Track (Dir: **Kathleen McTigue**). Several DGIM faculty took on new leadership positions in the residency in FY2020: **Dr. Tanya Nikiforova** is now the Assistant Program Director (APD) for Ambulatory Education, **Dr. Gaetan Sgro** the APD for Inpatient Education at the VA, **Dr. Debbie DiNardo** the APD for Ambulatory Education at the VA, **Dr. Allison DeKosky** the APD for Quality and Patient Safety, **Dr. Brielle Spataro** the APD for Education at UPMC Shadyside, and **Dr. Amar Kohli** the director of the Generalist Track. The residents are all involved in scholarly work organized by the **Leadership and Discovery Program (LEAD) program** under the direction of **Dr. Jessica Merlin** and this year's chief resident for research, **Dr. Dustin McCurry**. The residency also offers a robust and growing Certificate in Medical Education, a two-year program for residents interested in developing teaching skills, directed by **Drs. McNeil** and **Thomas Grau**.

Diversity efforts have focused on recruitment and mentoring of underrepresented minorities, and 2020 was a very successful year with the recruitment of eight new interns from underrepresented minority backgrounds. This is the second highest number in program history. The excellence of the training program allowed another outstanding class of interns to be recruited, including 22 AOA members—a record high—and 31 peer schools, which tied with those from FY2019 as our highest in the history of the program. Our average Step 1/Step 2 scores are 244/255, respectively. Division members continue to focus on a number of priorities to maintain the training program's excellence, including the following: Icode training in the inpatient setting; point-of-care ultrasound curricula; ongoing expansion of the LEAD research program and development of a research interest group; a complete restructure of the MICU rotation to allow for increased patient and educational continuity, and resident-led changes to night float shift start times as part of a larger wellness initiative. We have also added a PUH ED Boarder Rotation, in response to patient safety issues in the ED with medicine patients who could not be moved to a medicine floor due to lack of bed availability. This has been excellent for patient care and for our residents' learning of medicine triage and working as an internist in an ED setting.

Our residents have been honored for their teaching: Drs. Joseph Ibrahim (medicine PGY2), Rachael Gordon (medicine PGY2) and Kathryn Leyens (med-peds PGY4) were three of six recipients (out of all UPMC residents) to win the Gold Foundation Humanism and Excellence in Teaching Award. And, Dr. Hilary Strollo won the American College of Physicians Award for Professionalism. Faculty from the DGIM were accepted to present over 25 workshops nationally at either SGIM or APDIM in the last

12 months (workshops at the spring conferences were scheduled but cancelled due to COVID19).

Our residency has also adapted in many ways to maintain our educational rigor despite the challenges posed by COVID-19:

- ✦ When we started to have COVID-19 patients admitted in the Department of Medicine and subsequent quarantining of some residents ensued, especially before universal masking was put in place, our residents were pulled from rotations in which they were non-essential for patient care, such as subspecialty and community ambulatory rotations. They were placed on a call schedule to cover hospitalized patients when additional residents were needed to work on some medicine services that had expanded, and to cover residents on unit and ward rotations that were quarantined.
- ✦ All changes to the residents' schedules have been recorded and are being tracked to ensure they have a well-rounded educational experience over the course of their training.
- ✦ Residents' continuity clinics were very quickly converted to approximately 90% telemedicine in mid- to late March. Residents are receiving a curriculum to start August 2020 on best practices for telemedicine. Their clinics will be a hybrid of in-person and telemedicine going forward, the latter being about 40% of their total continuity clinic time.
- ✦ Telemedicine has been integrated into most outpatient subspecialty resident rotations.
- ✦ Didactic sessions for Morning Report, Noon Conference, Journal Club, Pre Clinic Conference Track lunches, our Evidence Based Medicine series, and others were converted to virtual educational sessions. Most of those sessions have now been adjusted to combine in-person and virtual to allow for the safest and largest attendance.
- ✦ The Resident Jeopardy schedule was extended for unexpected coverage needs.
- ✦ The 2020-2021 Interns' Onboarding and Orientation events have been converted to virtual, except for small, socially distanced outside small group gatherings to allow them to safely meet some of their co-interns during orientation.
- ✦ A Weekly Townhall with Program Leadership was held from March through May for Residency discussion of COVID-19 related issues including clinical operations, safe PPE use, and review of COVID cases with the Department Chair. This is now occurring 1-2 times monthly.

Institute for Clinical Research Education

The **Institute for Clinical Research Education (ICRE)**, led by **Doris Rubio, PhD**, has programs for medical students, residents, doctoral students, and other graduate students. Its mission is to improve health practice by creating an inclusive environment dedicated to educating the next generation of diverse translational researchers and medical educators. In FY2020, the ICRE had 19 students in its PhD in Clinical and Translational Science program, 69 students in its Master of Science in Clinical Research degree program, 28 in its Certificate in Clinical Research program, 37 in its Master of Science in Medical Education degree program, and 10 in its Certificate in Medical Education program. In addition, the ICRE had 90 trainees participating in at least one of its 12 career development programs.

As an anti-racist organization, the ICRE is extremely proud to be actively working to diversify the biomedical workforce. Of those currently enrolled in its career development programs, 40% are from underrepresented backgrounds, as defined by the NIH; in its degree programs, that number is 23%. In addition, the ICRE launched a large, diversity-focused, NIGMS-funded initiative in FY2020. "Building Up a Diverse Pipeline for the Biomedical Research Workforce (Building Up)" is randomizing participating universities to test the effectiveness of the Career Education and Enhancement for Research Diversity (CEED) career development intervention on a national basis. CEED was developed at the University of Pittsburgh more than 10 years ago and is designed for postdocs and junior faculty who are underrepresented in health-related sciences. A total of 28 institutions across the United States varying in size and current levels of diversity are participating in the trial, which is

testing the effectiveness of CEED in building the psychological capital of underrepresented trainees. The trainees participating in the intervention will take part in specific course work and collaborative sessions, receive mentoring in a supportive environment, and be given opportunities to network with senior investigators and their peers.

The ICRE is also running another large career development initiative, having received funding from NCATS in FY2019 to standardize the ICRE's career development plan model—currently the only online version in use across the entire Clinical and Translational Science Award (CTSA) Program—and make it available to all the other CTSA hubs across the U.S. This project is helping training programs fulfill the NIH's requirement for all trainees to complete an individualized development plan, which allows a trainee to document their goals, objectives, and milestones for their research, training, and career. An R21 grant from NCATS was secured in FY2020, which is enabling the ICRE to conduct a clustered randomized trial with 20 other CTSA hubs at institutions across the U.S. to test the superiority of the online CCDP over the alternative paper version. If successful, the ICRE plans to disseminate the online CCDP to other institutions, particularly other CTSA hubs.

Specialized Clinical Fellowships

The DGIM has four fellowship programs that provide first-rate training for clinician educators, clinician researchers, palliative care educators and researchers, and addiction medicine clinician researchers: the two General Internal Medicine Fellowships—the **Academic Clinician-Educator Scholars (ACES) Fellowship**, directed by **Dr. Spagnoletti**, and the **Clinician-Researcher Fellowship**, directed by **Dr. Kevin Kraemer** (with **Dr. Jessica Merlin** assuming directorship in July 2020); the **Hospice and Palliative Medicine Fellowship**, directed by **Dr. René Claxton**; and the new **Addiction Medicine Fellowship**, which was approved during FY2020 and is in the process of getting ACGME accreditation. Directed by **Dr. Julie Childers**, its first fellow began on July 1, 2020. The programs collectively trained 27 fellows in FY2020 (see “Medical Education” section, Fellowship Training Programs for more information). DGIM faculty also lead broader fellowship programs, including the TL1-supported Clinical and Translational Science Fellowship, directed by **Dr. Kevin Kraemer**, which supports 10 predocs and 10 postdocs.

Additional Educational Efforts

The **Section of Palliative Care and Medical Ethics** continues to provide palliative care training for medical students, residents, and fellows. The Section successfully matched four excellent candidates for the Hospice and Palliative Medicine (HPM) fellowship starting July 2020, including one UPMC Pediatrics Residency graduate and one UPMC Pulmonary and Critical Care Fellowship graduate. Three of the four first-year fellows will be earning a master's degree in Medical Education during their second year; the fourth fellow is doing an oncology fellowship at the University of Wisconsin. Our graduating second year fellow is leaving to be faculty at Oregon Health and Sciences University. A total of 148 medical students, residents, and fellows rotated with our clinical service, which received superlative evaluations. In addition, the Section trained over 156 clinicians in 14 separate day- and multiday-long courses focusing on palliative care communication skills. We developed the Pittsburgh Academy for Serious Illness Communication Coaching to provide faculty development for teachers of communication skills across medical specialties. Finally, the Section continues to train critical care nurses throughout the health system as part of a communication intervention to improve palliative care in the ICU; this year more than 95 nurses across the health system were trained. To date 221 nurses and social workers have received training. The highly successful PARTNER program is currently live in 32 ICUs, with plans to start the program in 3 more ICUs by the end of the year. The PARTNER (PAiring Re-engineered ICU Teams with Nurse-driven Emotional Support and Relationship-building) program provides support for family members acting on behalf of critically ill patients, offers families clear and consistent medical information, and helps families through the process of making medical decisions that are consistent with their loved one's wishes. Finally, Section faculty member Tara Cook, MD, MS, won the annual Palliative Medicine Teaching Award for excellence in

teaching across settings.

Finally, the **Section of Hospital Medicine** has continued to be a vital contributor to the education of our residents, students, and staff. Two Section faculty members have taken on roles as Associate Program Directors (APDs): **Dr. Allison DeKosky** is the Director of Inpatient Quality Initiatives and Education for the Internal Medicine Residency Program and **Dr. John Szymusiak** is the APD of the Internal Medicine Pediatrics Residency Program.

This past academic year completed the inaugural year for the Hospitalist Clinician Educator Certificate series, a weekly forum aimed at developing and honing the educational skills of our physicians. A total of 17 hospitalists successfully completed the program, and all nine newly hired physicians are planning to participate. The physicians who have successfully participated have become teaching attendings on the inpatient services as well as facilitators for the newly developed APP report, which is a case-based discussion forum designed specifically for the professional development of our nurse practitioners and physician assistants.

At the UPMC Presbyterian campus, the hospitalist team has partnered with the orthopedic residency program and now hosts 8 orthopedic interns each year on month-long rotations, during which they learn a more holistic approach to the care of orthopedic and trauma inpatients. Additionally, the Section has sustained our own hospitalist-focused educational efforts, which include a twice-monthly series called Learners Teachers Leaders.

The Section's dedication to education is further evidenced by the number of publications, abstract submissions, and workshops accepted this past academic year. **Drs. Szymuziak, DeKosky, Ricardo Cabello**, and **Maja Mandic** were all authors of publications appearing in peer-reviewed journals. A number of abstract submissions, workshops, and clinical vignettes had been accepted by the Alliance of Academic Internal Medicine and Society for General Internal Medicine by multiple faculty members and fellows. Finally, **Drs. Rachna Rawal** and **Ann Perrin** have been selected as participants in the SGIM TEACH program.



Clinical Fellows

* Indicates departing fellow

Academic Clinical Educator Scholars (ACES) Fellowship

***Allie Dakroub, MD, MS**

Medical School: University of Michigan Medical School

Residency: Internal Medicine/Pediatrics, Wayne State University/Detroit Medical Center

Current Position: Assistant Professor of Medicine, Division of General Internal Medicine, University of Pittsburgh

***Andrew Klein, MD, MS**

Medical School: George Washington University School of Medicine and Health Sciences

Residency: UPMC

Current Position: Assistant Professor of Medicine, Division of General Internal Medicine, University of Pittsburgh

***Jillian Kyle, MD, MS**

Medical School: George Washington University School of Medicine and Health Sciences

Residency: UPMC

Current Position: Assistant Professor of Medicine, Division of General Internal Medicine, University of Pittsburgh

Eduardo Mulanovich, MD

Medical School: University of Texas Health Science Center at Houston – McGovern Medical School

Residency: University of Alabama at Birmingham

***Marina Mutter, MD, MS**

Medical School: University of Rochester School of Medicine and Dentistry

Residency: Yale-New Haven Hospital Internal Medicine

Current Position: Assistant Professor of Medicine, University of Colorado

Jennifer Rodriguez, MD, MSMedical School:* Baylor College of Medicine*Residency:* UPMC Internal Medicine*Current Position:* Hospitalist, UPMC**Diana Samberg, MD, MS***Medical School:* University of Pittsburgh School of Medicine*Residency:* UPMC**Michael Simonson, MD***Medical School:* Sidney Kimmel Medical College of Thomas Jefferson University*Residency:* UPMC**Sara Spinella, MD***Medical School:* University of Rochester School of Medicine and Dentistry*Residency:* University of Rochester School of Medicine and Dentistry***Emmanuelle B. Yecies, MD, MS***Medical School:* University of Pittsburgh School of Medicine*Residency:* UPMC*Current Position:* Assistant Professor of Medicine, VA Palo Alto, CA***Clinician Researcher Fellowship******Amy Kennedy, MD, MS***Medical School:* University of Washington School of Medicine*Residency:* UPMC*Current Position:* HIV, Addiction Specialist, LA County Department of Health Services, Los Angeles, CA***Clark Veet, MD, MS***Medical School:* Jefferson Medical College of Thomas Jefferson University*Residency:* UPMC*Current Position:* Primary Care Specialist, Lehigh Valley Health Network***Hospice and Palliative Medicine Fellowship*****Alyssa Buckenheimer, MD***Medical School:* Creighton University School of Medicine*Residency:* Internal Medicine, Wake Forest Baptist Medical Center**Cathal Delaney, MD***Medical School:* Royal College of Surgeons in Ireland School of Medicine*Residency:* UPMC Children's Hospital of Pittsburgh**Kelly Harris, MD***Medical School:* Vanderbilt University Medical Center*Residency:* Vanderbilt University School of Medicine**Carla Khalaf-McStay, MD***Medical School:* Texas A&M Health Science Center College of Medicine

Residency: Baylor Scott and White, Temple, Texas, TX

Gabrielle Langmann, MD

Medical School: University of Pittsburgh School of Medicine

Residency: UPMC

***Rachel Rodenbach, MD**

Medical School: University of Rochester School of Medicine and Dentistry

Residency: UPMC

Current Position: Hematology/Oncology Fellow, University of Wisconsin

Alicia Topoll, MD

Medical School: Northeast Ohio Medical University

Residency: Texas Health Presbyterian Hospital, Dallas, TX

Kathy Wunderle, MD

Medical School: University of Pittsburgh School of Medicine

Residency: University of Rochester School of Medicine and Dentistry

Addiction Medicine Fellowship

Alicia Boykin, MD

Medical School: University of Cincinnati

Residency: Cincinnati Children's Hospital

Clinical Fellow Activities

Alicia Boykin, MD

Publications

- **Boykin A**, Demirci J, Miller E. Investigating the Relationship Between Fatherhood and Provider Weight-Related Practices and Counseling in Clinical Settings. *J Nutr Educ Behav*. 2020 Jul;52(7):713-718.

Alyssa Buckenheimer, MD

Publications

- Brooten JK, **Buckenheimer AS**, Hallmark JK, Grey CR, Cline DM, Breznau CJ, McQueen TS, Harris ZJ, Welsh D, Williamson JD, Gabbard JL. Risky Behavior: Hospital Transfers Associated with Early Mortality and Rates of Goals of Care Discussions. *West J Emerg Med*. 2020 Jul 8;21(4):935-942.
- Presentations and Abstracts
- End-of-life care in the immune checkpoint inhibitor era, Wake Forest Internal Medicine Research Day, Winston-Salem, NC, May 2020.
- End-of-life care in the immune checkpoint inhibitor era, Virtual presentation, Annual Meeting of the American Society of Clinical Oncology, Chicago, IL, May 2020.
- Lazarus effect? A retrospective case series of NSCLC patients previously on hospice care who later received immunotherapy, ACP North Carolina Annual Chapter Scientific Meeting, Greensboro, NC, June 2020.

Honors and Awards

- Second place, Junior Faculty—Clinical Research, Wake Forest Internal Medicine Research

Day, Winston-Salem, NC, May 2020.

- Tinsley R. Harrison Award for Faculty Teaching Excellence, University of Pittsburgh, 2020.

Kelly Harris, MD

Publications

- **Harris KW.** Section on Hospice and Palliative Medicine Career Guide. American Academy of Pediatrics Section on Pediatric Trainees Blog. January 6, 2020.
- **Harris KW,** Brelsford KM, Kavanaugh-McHugh A, Clayton EW. Uncertainty of Prenatally Diagnosed Congenital Heart Disease: A Qualitative Study. JAMA Netw Open. 2020 May 1;3(5):e204082.
- Lanphier E, **Harris KW.** The Strawman at the Pox Party. Am J Bioeth. 2020 Sep;20(9):73-75.
- **Harris KW,** Cunningham TV, Hester DM, Armstrong K, Kim A, Harrell FE Jr, Fanning JB. Comparison Is Not a Zero-Sum Game: Exploring Advanced Measures of Healthcare Ethics Consultation. AJOB Empir Bioeth. 2020 Nov 20:1-14.

Presentations and Abstracts

- Improving Access to Clinical Ethics Consultation, Annual International Conference on Clinical Ethics and Consultation, Stellenbosch, South Africa, April 2020. *Cancelled due to COVID-19.*
- "Heart Difference" – Navigating the Uncertainty of Prenatally Diagnosed Congenital Heart Disease, Pediatric Academic Societies Annual Meeting, Philadelphia, PA, May 2020. *Cancelled due to COVID-19.*

Honors and Awards

- American Academy of Pediatrics Section on Pediatric Trainees liaison to the Section on Hospice and Palliative Medicine, 2019.
- Peer Reviewer for AJOB Empirical Bioethics, 2019.

Amy Kennedy, MD

Publications

- **Kennedy AJ,** McNeil M, Hamm M, Cameron FA, Carter AE. Internal Medicine Resident Perceptions of Patients with Substance Use Disorder After Attending a Mutual Support Group Meeting. J Gen Intern Med. 2020 Mar;35(3):918-921. Epub 2019 Oct 30.
- **Kennedy AJ,** Bakalov V, Reyes-Urbe L, Kensler C, Connor SE, Benson M, Bui T, Radomski TR. Free Clinic Patients' Perceptions and Barriers to Applying for Health Insurance After Implementation of the Affordable Care Act. J Community Health. 2020 Jun;45(3):492-500.

Gabrielle Langmann, MD

Presentations and Abstracts

- Hospice and Palliative Medicine Distance Learning Curriculum, written for residents and fellows whose palliative care rotations were disrupted by the COVID-19 pandemic, March 2020.
- Gabapentin for Treatment of Irritability Related to Suspected Hyperalgesia in Pediatric Patients with Complex Congenital Heart Disease and Heart Failure, Annual Assembly of the American Academy of Hospice and Palliative Medicine, March 2020. *Cancelled due to COVID-19.*
- What to Do When a Patient Dies, Pediatric Senior Resident Boot Camp, UPMC Children's Hospital of Pittsburgh, June 2020.

Rebeca Ortiz-Worthington, MD

Publications

- **Ortiz Worthington R**, Feld LD, Volerman A. Supporting New Physicians and New Parents: A Call to Create a Standard Parental Leave Policy for Residents. *Acad Med*. 2019 Nov;94(11):1654-1657.

Presentations and Abstracts

- A Case of the Nephrotic Syndrome: AA Amyloid Nephropathy in a Patient with Long-Term Heroin Use, Society of General Internal Medicine Midwest Regional Meeting, Minneapolis, MN, September 2019.
- A Case of the Nephrotic Syndrome: AA Amyloid Nephropathy in a Patient with Long-Term Heroin Use, Society of General Internal Medicine Annual Meeting (virtual), May 2020.

Aimee Pickering, MD

Publications

- **Pickering AN**, Hamm ME, Dawdani A, Hanlon JT, Thorpe CT, Gellad WF, Radomski TR. Older Patient and Caregiver Perspectives on Medication Value and Deprescribing: A Qualitative Study. *J Am Geriatr Soc*. 2020 Apr;68(4):746-753.

Presentations and Abstracts

- Primary Care Physicians' Perspectives on Low-Value Prescribing in Older Adults., Society of General Internal Medicine Annual Meeting (virtual), Birmingham, AL, April 2020.

Rachel Rodenbach, MD

Presentations and Abstracts

- Relationships between worry about dying in patients with advanced cancer and their illness understanding, treatment preferences, and advance care planning, 2020 ASCO Annual Meeting (Virtual), May 2020.

Honors and Awards

- AAHPM Annual Assembly Quality Improvement Top Poster Award, for Relationships between worry about dying in patients with advanced cancer and their illness understanding, treatment preferences, and advance care planning, 2020 ASCO Annual Meeting, May 2020.

Clark Veet, MD

Mentors: Suzanne Kinsky, Kevin Kraemer

Dr. Veet's research project was titled "Family versus home health agency caregivers: a cross sectional analysis of managed care recipients and cost outcomes." His research focuses on value in the delivery of health care. He has created a cost-effectiveness analysis model for management strategies for unruptured intracranial aneurysms, which was done in a multidisciplinary way with decision scientists and neurosurgical colleagues. He completed the program June 30, 2020.

Publications

- **Veet CA**, Radomski TR, D'Avella C, Hernandez I, Wessel C, Swart ECS, Shrank WH, Parekh N. Impact of Healthcare Delivery System Type on Clinical, Utilization, and Cost Outcomes of Patient-Centered Medical Homes: a Systematic Review. *J Gen Intern Med*. 2020 Apr;35(4):1276-1284.
- Ufomata E, Eckstrand KL, Spagnoletti C, **Veet C**, Walk TJ, Webb C, Gutiérrez EJ, Imming C, Guhl E, Jeong K, Rubio D, Hasley P. Comprehensive Curriculum for Internal Medicine Residents on Primary Care of Patients Identifying as Lesbian, Gay, Bisexual, or Transgender. *MedEdPORTAL*. 2020 Feb 7;16:10875.

Kathy Wunderle, MD

Presentations and Abstracts

- Effect of an online critical care curriculum on critical care knowledge across medical specialties, Rita M. Patel GME Leadership Conference, Pittsburgh, PA, February 2020.
- Development and evaluation of a resident CCM curriculum, CRISMA Conference, Department of Critical Care Medicine, University of Pittsburgh, Pittsburgh, PA, May 2020.
- Effect of an online critical care curriculum on critical care knowledge across medical specialties, Critical Care Medicine Fink Day Conference, Department of Critical Care Medicine, University of Pittsburgh, Pittsburgh, PA, June 2020.

Emmanuelle Benkoski Yecies, MD***Publications***

- **Yecies E**, McNeil M. From the #MeToo Frontlines: Incoming Interns Report a Breadth of Experiences Related to Sexual Harassment in Medical School. J Gen Intern Med. 2020 Jun 8.

Postdoctoral Fellows and Activities

Karryn Crisamore, PharmD

Mentors: Phillip Empey, PharmD, PhD, and Sam Poloyac, PharmD, PhD

Dr. Crisamore's research goal is to identify patient-specific factors that impact dexmedetomidine response to inform a precision medicine approach to prescribing for more effective sedation.

Presentations and Abstracts

- Comparison of Genetic Testing Approaches for Implementation of Preemptive Pharmacogenomics, American Society of Human Genetics Annual Meeting, Houston, TX, October 2019.

Katherine Eichinger, PharmD

Mentors: Kerry Empey, PharmD, PhD, and Nikolai Petrovsky, PhD

Dr. Eichinger's research is focused on investigating the effects of passively-acquired maternal antibody on the immune responses of RSV-infected infants.

Publications

- Sakala IG, **Eichinger KM**, Petrovsky N. Neonatal vaccine effectiveness and the role of adjuvants. *Expert Rev Clin Immunol*. 2019 Aug;15(8):869-878.

Presentations and Abstracts

- Evaluation of maternal RSV pre-F vaccine formulations in Sero-and Sero+ female mice, International Precision Vaccinology Conference, Boston, MA, October 2019.
- Evaluation of maternal RSV pre-F vaccine formulations in Sero-and Sero+ female mice, Autumn Immunology Conference, Chicago, IL, November 2019.

Natalie C. Ernecoff, PhD

Mentors: Bob Arnold, MD, and Dio Kavalieratos, PhD

Dr. Ernecoff is conducting interviews with primary care, nephrology, and palliative care clinicians to evaluate barriers, facilitators, and goals for CKD palliative care. In ongoing semi-structured interviews with clinicians in primary care, nephrology, and specialty palliative care, clinicians indicate that breakdowns in inter-clinician communication impede coordinated care delivery.

Publications

- Bannon M, **Ernecoff NC**, Dionne-Odom JN, Zimmermann C, Corbelli J, Klein-Fedyshin M, Arnold RM, Schenker Y, Kavalieratos D. Comparison of Palliative Care Interventions for Cancer versus Heart Failure Patients: A Secondary Analysis of a Systematic Review. *J Palliat Med*. 2019 Aug;22(8):966-969. Epub 2019 Feb 14.
- White DB, Carson S, Anderson W, Steingrub J, Bird G, Curtis JR, Matthay M, Peterson M, Buddadhumaruk P, Shields AM, **Ernecoff N**, Shotsberger K, Weissfeld L, Chang CH, Pike F, Lo B, Hough CL. A Multicenter Study of the Causes and Consequences of Optimistic Expectations About Prognosis by Surrogate Decision-Makers in ICUs. *Crit Care Med*. 2019 Sep;47(9):1184-1193.
- **Ernecoff NC**, Wessell KL, Hanson LC, Lee AM, Shea CM, Dusetzina SB, Weinberger M, Bennett AV. Electronic Health Record Phenotypes for Identifying Patients with Late-Stage Disease: a Method for Research and Clinical Application. *J Gen Intern Med*. 2019 Dec;34(12):2818-2823.
- Suen AO, Butler RA, Arnold R, Myers B, Witteman HO, Cox CE, Argenas A, Buddadhumaruk P, Bursic A, **Ernecoff NC**, Shields AM, Tran DK, White DB. Developing the family support tool: An interactive, web-based tool to help families navigate the complexities of surrogate decision making in ICUs. *J Crit Care*. 2020 Apr;56:132-139. Epub 2019 Dec 6.

- **Ernecoff NC**, Wessell KL, Hanson LC, Shea CM, Dusetzina SB, Weinberger M, Bennett AV. Does Receipt of Recommended Elements of Palliative Care Precede In-Hospital Death or Hospice Referral? *J Pain Symptom Manage*. 2020 Apr;59(4):778-786. Epub 2019 Dec 10.
- **Ernecoff NC**, Hanson LC, Fox AL, Daaleman TP, Kistler CE. Palliative Care in a Community-Based Serious-Illness Care Program. *J Palliat Med*. 2020 May;23(5):692-Epub 2019 Oct 23.
- **Ernecoff NC**, Check D, Bannon M, Hanson LC, Dionne-Odom JN, Corbelli J, Klein-Fedyshin M, Schenker Y, Zimmermann C, Arnold RM, Kavalieratos D. Comparing Specialty and Primary Palliative Care Interventions: Analysis of a Systematic Review. *J Palliat Med*. 2020 Mar;23(3):389-396. Epub 2019 Oct 23.
- **Ernecoff NC**, Wessell KL, Hanson LC, Dusetzina SB, Shea CM, Weinberger M, Bennett AV. Elements of Palliative Care in the Last 6 Months of Life: Frequency, Predictors, and Timing. *J Gen Intern Med*. 2020 Mar;35(3):753-761. Epub 2019 Oct 24.

Presentations and Abstracts

- Element of Palliative Care in the Last Six Months of Life: Frequency, Predictors, and Timing, AAHPM State of the Science 2020, San Diego, Ca, March 2020. *Cancelled due to COVID-19*.
- Content of Goals of Care Documentation for Inpatients with Stage 4 Cancer, AAHPM State of the Science 2020, San Diego, Ca, March 2020. *Cancelled due to COVID-19*.

Keito Hoshitsuki, PharmD

Mentors: James Irrgang, PhD, and Samuel Poloyac, PharmD, PhD

Dr. Hoshitsuki's research goal is to demonstrate mechanistically how variation in PEGylated asparaginase (PEG-asparaginase) drug exposure changes drug metabolizing enzymes levels and exposure to concomitant therapy.

Publications

- **Hoshitsuki K**, Crews KR, Yang W, Smith CA, Hankins JS, Turner AJ, Broeckel U, McMillin GA, Relling MV, Haidar CE. Challenges in clinical implementation of CYP2D6 genotyping: choice of variants to test affects phenotype determination. *Genet Med*. 2020 Jan;22(1):232-233. Epub 2019 Jul 25.
- Suiter CC, Moriyama T, Matreyek KA, Yang W, Scaletti ER, Nishii R, Yang W, **Hoshitsuki K**, Singh M, Trehan A, Parish C, Smith C, Li L, Bhojwani D, Yuen LYP, Li CK, Li CH, Yang YL, Walker GJ, Goodhand JR, Kennedy NA, Klusmann FA, Bhatia S, Relling MV, Kato M, Hori H, Bhatia P, Ahmad T, Yeoh AEJ, Stenmark P, Fowler DM, Yang JJ. Massively parallel variant characterization identifies NUDT15 alleles associated with thiopurine toxicity. *Proc Natl Acad Sci U S A*. 2020 Mar 10;117(10):5394-5401. Epub 2020 Feb 24.
- **Hoshitsuki K**, Molinelli AR, Inaba H, Rubnitz JE, Barker PJ. Metabolic Acidosis in a Pediatric Patient with Leukemia and Fungal Infection. *Clin Chem*. 2020 Apr 1;66(4):518-522.

Kacie M. Kidd, MD

Mentors: Elizabeth Miller, MD, PhD, and Gerald Montano, DO, MS

Dr. Kidd's research project on the Development of the Transgender Family Acceptance To Empowerment (TransFATE) Scale has allowed her to apply knowledge gained through courses in measurement to her field of adolescent medicine and specifically in caring for gender diverse youth. It is her hope that this scale will help her team to both better understand the experiences of parents and caregivers of gender diverse youth as well as to objectively measure our support programming.

Publications

- **Kidd KM**, Sequeira GM, Dhar CP, Montano GT, Witchel SF, Rofey D. Gendered Body Mass Index Percentile Charts and Transgender Youth: Making the Case to Change Charts. *Transgend Health*. 2019 Oct 29;4(1):297-299.

- Sequeira GM, **Kidd K**, El Nokali NE, Rothenberger SD, Levine MD, Montano GT, Rofey D. Early Effects of Testosterone Initiation on Body Mass Index in Transmasculine Adolescents. *J Adolesc Health*. 2019 Dec;65(6):818-820. Epub 2019 Sep 19.
- Sequeira GM, **Kidd K**, Coulter RWS, Miller E, Garofalo R, Ray KN. Affirming Transgender Youths' Names and Pronouns in the Electronic Medical Record. *JAMA Pediatr*. 2020 May 1;174(5):501-503.
- **Kidd KM**, Sequeira GM, Voss RV, Weiner DJ, Ramsey BW, Jain R, Kazmerski TM. Caring for gender diverse youth with cystic fibrosis. *J Cyst Fibros*. 2020 Apr 5:S1569-1993(20)30074-6.
- Kidd KM, Thornburgh C, Casey CF, Murray PJ. Providing Care for Transgender and Gender Diverse Youth. *Prim Care*. 2020 Jun;47(2):273-290.

Elizabeth Miller McGuier, PhD

Mentors: David Kolko, PhD, and Martha Wadsworth, PhD

Dr. Miller McGuier's primary research project focuses on the role of multidisciplinary teams in implementation in Child Advocacy Centers (CACs). The proposed study will examine how multidisciplinary team functioning in CACs is associated with implementation and whether improving team functioning can enhance implementation efforts.

Publications

- **McGuier EA**, Kolko DJ, Ramsook KA, Huh AS, Berkout OV, Campo JV. Effects of Primary Care Provider Characteristics on Changes in Behavioral Health Delivery During a Collaborative Care Trial. *Acad Pediatr*. 2020 Apr;20(3):399-404. Epub 2019 Nov 21.
- **Miller EA**, Azar ST. Parental injury prevention beliefs and children's medically attended injuries: Evidence from a sample of disadvantaged rural fathers. *Early Child Development and Care*. 2019. Advance online publication.doi:10.1080/03004430.2019.1583649.
- **Miller EA**, Hee PJ, Bonner BL, Cherry AS. Training Psychologists in Integrated Primary Care and Child Maltreatment: Trainee and Supervisor Perspectives on Lessons Learned. *J Clin Psychol Med Settings*. 2020 Sep;27(3):541-552.

Presentations and Abstracts

- Effect of primary care provider characteristics on changes in behavioral health-related effort and skill during a pediatric collaborative care trial, Annual Convention of the Association for Behavioral and Cognitive Therapies, Atlanta, GA, November 2019.

Sara Myers, MD

Mentor: Matthew Rosengart, MD, MPH

Dr. Myers has completed an investigation into gender-based differences in the mentorship experiences of general surgery residents using a semi-structured interview instrument and qualitative research methods. The primary focus of her dissertation is a randomized controlled trial analyzing how gender stigma consciousness affects technical skill performance among general surgery residents. She completed the TL1 Fellowship May 30, 2020.

Publications

- **Myers SP**, Littleton EB, Hill KA, Dasari M, Nicholson KJ, Knab LM, Neal MD, Horvath KD, Krane M, Hamad GG, Rosengart MR. Perceptions Regarding Mentorship Among General Surgery Trainees With Academic Career Intentions. *J Surg Educ*. 2019 Jul-Aug;76(4):916-923.
- **Myers SP**, Brown JB, Leeper CM, Kutcher ME, Chen X, Wade CE, Holcomb JB, Schreiber MA, Cardenas JC, Rosengart MR, Neal MD; PROPPR study group. Early versus late venous thromboembolism: A secondary analysis of data from the PROPPR trial. *Surgery*. 2019 Sep;166(3):416-422.
- **Myers SP**, Malik SM, Tevar AD, Neal MD. "Herniorrhaphy in cirrhosis: operative approach and timing" in *The SAGES Manual of Hernia Surgery*. Springer. 2019.

- **Myers SP**, Dyer MR, Hassoune A, Brown JB, Sperry JL, Meyer MP, Rosengart MR, Neal MD. Correlation of Thromboelastography with Apparent Rivaroxaban Concentration: Has Point-of-Care Testing Improved? *Anesthesiology*. 2020 Feb;132(2):280-290.
- **Myers SP**, Neal MD. Venous thromboembolism after tranexamic acid administration: legitimate risk or statistical confounder? *ANZ J Surg*. 2020 Apr;90(4):425-426.
- **Myers SP**, Dasari M, Brown JB, Lumpkin ST, Neal MD, Abebe KZ, Chaumont N, Downs-Canner SM, Flanagan MR, Lee KK, Rosengart MR. Effects of Gender Bias and Stereotypes in Surgical Training: A Randomized Clinical Trial. *JAMA Surg*. 2020 Jul 1;155(7):552-560. d
- Alvikas J, **Myers SP**, Wessel CB, Okonkwo DO, Joseph B, Pelaez C, Doberstein C, Guillotte AR, Rosengart MR, Neal MD. A systematic review and meta-analysis of traumatic intracranial hemorrhage in patients taking prehospital antiplatelet therapy: Is there a role for platelet transfusions? *J Trauma Acute Care Surg*. 2020 Jun;88(6):847-854.

Presentations and Abstracts

- Gender based differences in Hirsch index among academic surgeons, Landmark Papers in Surgery Presentation, Association of Women Surgeons Annual Conference, San Francisco, CA, October 2019.
- Platelet transfusion for patients with traumatic intracranial hemorrhage taking prehospital antiplatelets: A systematic review and meta-analysis, American College of Surgeons Annual Conference, San Francisco, CA, October 2019.

Kristina Nicholson, MD

Mentors: Linwah Yip, MD, and Sally Carty, MD

Dr. Nicholson conducted a cost-utility analysis comparing three commonly used strategies for post-thyroidectomy calcium supplementation. She has also been working on cleaning data from a biochemical analysis of repository samples from the PAMPER trial, which looks at the use of pre-hospital plasma in trauma patients with hemorrhagic shock, in order to identify differences in coagulation parameters.

Publications

- **Nicholson KJ**, Teng CY, McCoy KL, Carty SE, Yip L. Completion thyroidectomy: A risky undertaking? *Am J Surg*. 2019 Oct;218(4):695-699. Epub 2019 Jul 18.
- **Nicholson KJ**, Roberts MS, McCoy KL, Carty SE, Yip L. Molecular Testing Versus Diagnostic Lobectomy in Bethesda III/IV Thyroid Nodules: A Cost-Effectiveness Analysis. *Thyroid*. 2019 Sep;29(9):1237-1243.
- **Nicholson KJ**, Smith KJ, McCoy KL, Carty SE, Yip L. A comparative cost-utility analysis of postoperative calcium supplementation strategies used in the current management of hypocalcemia. *Surgery*. 2020 Jan;167(1):137-143.
- Mallick R, **Nicholson KJ**, Yip L, Carty SE, McCoy KL. Factors associated with late recurrence after parathyroidectomy for primary hyperparathyroidism. *Surgery*. 2020 Jan;167(1):160-165.
- Myers SP, Littleton EB, Hill KA, Dasari M, **Nicholson KJ**, Knab LM, Neal MD, Horvath KD, Krane M, Hamad GG, Rosengart MR. Perceptions Regarding Mentorship Among General Surgery Trainees With Academic Career Intentions. *J Surg Educ*. 2019 Jul-Aug;76(4):916-923.

Ryan Orizondo, PhD

Mentor: William Federspiel, PhD

Dr. Orizondo's research focused on improving artificial lung hemocompatibility via the development and incorporation of a thromboresistant coating. He completed the TL1 Fellowship May 31, 2020.

Presentations and Abstracts

- In Vitro Performance of a Sulfobetaine Thromboresistant Coating in a Pump-Lung Device, Oral presentation, Biomedical Engineering Society Conference, Philadelphia, PA, October

2019.

Kathleen Poploski, DPT

Mentors: *James Irrgang, PhD, and Richard Boyce, PhD*

Dr. Poploski's overall objective is to develop a validated model that provides discriminative classification of individuals at high risk of experiencing an adverse outcome following ACLR. Her team hypothesize that a Recurrent Neural Network (RNN) model will demonstrate superior performance in prediction of adverse outcome following ACLR compared to a multivariate logistical regression model.

Presentations and Abstracts

- Military personnel demonstrated asymmetrical loading patterns during landing, poster presentation, Congress of the International Society of Biomechanics and the American Society of Biomechanics, Calgary, Alberta, Canada, August 2019.
- Pre-Training characteristics related to the development of hip injuries during infantry training among female Marines, poster presentation, American Physical Therapy Association Combined Sections Meeting, Denver, CO, February 2020.

Stephanie Rigot, DPT

Mentor: *Michael Boninger, MD*

Dr. Rigot's research project was to develop a new clinical prediction rule that targets the motor incomplete SCI population to predict ambulatory ability using lower limb movement measured by accelerometers. Using bioengineering, statistical, and machine learning techniques, they are able to identify limb movements and extract that have already been shown to have moderate to strong correlations to clinical tests of ambulation. She completed the TL1 Fellowship November 2019.

Publications

- Bossuyt FM, Arnet U, Cools A, **Rigot S**, de Vries W, Eriks-Hoogland I, Boninger ML; SwiSCI Study Group. Compensation Strategies in Response to Fatiguing Propulsion in Wheelchair Users: Implications for Shoulder Injury Risk. *Am J Phys Med Rehabil*. 2020 Feb;99(2):91-98.
- Worobey L, **Rigot S**, Boninger M, "Wheelchairs," in Frontera WR, DeLisa JA, GansBM, Robinson LR, Bockeneck W, Chase J, eds. *DeLisa's Physical Medicine & Rehabilitation: Principles and Practice*. 6th ed. Wolters Kluwer/Lippincott Williams & Wilkins Health, Philadelphia, PA, 2019.

Presentations and Abstracts

- Web-Based Training: Evidence and Resources for Clinicians Wheelchair Users. Educational session presentation, ASCIP 2019 Educational Conference & Expo, Nashville, TN, September 2019.
- Self-Reported Pain One Year After Spinal Cord Injury and Relationship to Ambulation. Paper presentation, ASCIP 2019 Educational Conference and Expo, Nashville, TN, September 2019.

Justin A. Yu, MD

Mentors: *Yael Schenker, MD, MAS, and Amy Houtrow, MD, PhD, MPH*

Dr. Yu's research was focused on improving our understanding of the quality of health care delivered to children with medical complexity (CMC) and their families through the patient/family-centered medical home. He completed the TL1 Fellowship June 30, 2020.

Publications

- **Yu JA**, Henderson C, Cook S, Ray K. Family Caregivers of Children With Medical Complexity: Health-Related Quality of Life and Experiences of Care Coordination. *Acad Pediatr*. 2020 Nov-Dec;20(8):1116-1123. Epub 2020 Jun 26.

ONE-YEAR BIBLIOGRAPHY

July 1, 2019 to June 30, 2020

Non-original research publications are in italics. General Medicine faculty are in bold.

Abebe KZ, Althouse AD, Comer D, Holleran K, Koerbel G, Kojtek J, Weiss J, Spillane S. *Creating an academic research organization to efficiently design, conduct, coordinate, and analyze clinical trials: The Center for Clinical Trials & Data Coordination. Contemp Clin Trials Commun.* 2019 Nov 12;16:100488. eCollection 2019 Dec.

Abebe KZ, Morone NE, Mayowski CA, Rubio DM, Kapoor WK. Sowing the "CEED"s of a more diverse biomedical workforce: The Career Education and Enhancement for Health Care Research Diversity (CEED) program at the University of Pittsburgh. *J Clin Transl Sci.* 2019 Feb;3(1):21-26.

Ackenbom MF, Dong S, Romanova A, Baranski L, Butters MA, **Davis EM**, Zyczynski HM. Postoperative Opioid Utilization in Older Women Undergoing Pelvic Organ Prolapse Surgery. *Female Pelvic Med Reconstr Surg.* 2020 Feb 5. Online ahead of print.

Agénor M, Pérez AE, Peitzmeier SM, **Borrero S.** Racial/ethnic disparities in human papillomavirus vaccination initiation and completion among U.S. women in the post-Affordable Care Act era. *Ethn Health.* 2020 Apr;25(3):393-407. Epub 2018 Jan 18.

Allen ME, Irizarry T, Einhorn J, Kamarck TW, Suffoletto BP, Burke LE, **Rollman BL**, Muldoon MF. SMS-facilitated home blood pressure monitoring: A qualitative analysis of resultant health behavior change. *Patient Educ Couns.* 2019 Dec;102(12):2246-2253. Epub 2019 Jun 17.

Allenbaugh J, **Corbelli J**, Rack L, **Rubio D, Spagnoletti C.** A Brief Communication Curriculum Improves Resident and Nurse Communication Skills and Patient Satisfaction. *J Gen Intern Med.* 2019 Jul;34(7):1167-1173.

Althouse AD, Chow ZR. *Comment on "Post-*

hoc Power: If You Must, At Least Try to Understand". Ann Surg. 2019 Dec;270(6):e78-e79.

Ameer MA, Foris LA, Mandiga P, Haseeb M. *Spontaneous Bacterial Peritonitis.* 2020 Jun 29. In: *StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2020 Jan.*

Anderson TS, DeJong C, **Good CB, Gelad WF.** Disclosure of Article Funding and Conflicts of Interest in High-Impact Clinical Journals. *J Gen Intern Med.* 2020 Apr;35(4):1345-1347. Epub 2020 Feb 3.

Anthias C, Shaw BE, Bruce JG, Confer DL, Abress LK, Dew MA, Billen A, O'Leary A, Braund H, **Switzer GE.** Role of Race/Ethnicity in Donor Decisions about Unrelated Hematopoietic Progenitor Cell Donation: Exploring Reasons for Higher Attrition among Racial/Ethnic Minorities. *Biol Blood Marrow Transplant.* 2020 Mar;26(3):593-599. Epub 2019 Oct 22.

Argo N, Klinowski D, **Krishnamurti T, Smith S.** The completion effect in charitable crowdfunding. *Journal of Economic Behavior & Organization.* 2020 Apr 1;172:17-32

Arora KS, Zhao X, Judge-Golden C, Mor MK, Callegari LS, **Borrero S.** Factors Associated with Choice of Sterilization Among Women Veterans. *J Womens Health (Larchmt).* 2020 Jul;29(7):989-995. Epub 2020 Feb 4.

Asif A, Farooq N. *Vitamin D Toxicity.* 2020 May 21. In: *StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2020 Jan.*

Aspinall SL, Zhao X, Geraci MC, **Good CB**, Cunningham FE, Heron BB, Becker D, Lee S, Prasad V; Targeted Therapies in Veterans with RCC Study Group. Use of targeted therapies for advanced renal cell carcinoma in the Veterans Health Administration. *Cancer Med.* 2019 Nov;8(15):6651-6661. Epub 2019

Sep 19.

Back A, Tulskey JA, Arnold RM. *Communication Skills in the Age of COVID-19. Ann Intern Med.* 2020 Jun 2;172(11):759-760. Epub 2020 Apr 2.

Bae KT, Shi T, Tao C, Yu ASL, Torres VE, Perrone RD, Chapman AB, Brosnahan G, Steinman TI, Braun WE, Srivastava A, Irazabal MV, **Abebe KZ**, Harris PC, Landsittel DP; HALT PKD Consortium. Expanded Imaging Classification of Autosomal Dominant Polycystic Kidney Disease. *J Am Soc Nephrol.* 2020 Jul;31(7):1640-1651. Epub 2020 Jun 2.

Bandari J, Theisen KM, Maganty A, Davies BJ, **Yabes JG**, Jacobs BL. Clinical Trials in Urology: Predictors of Successes and Failures. *J Urol.* 2020 Apr 7;101097JU0000000000001072. Online ahead of print.

Bannon M, Ernecoff NC, Dionne-Odom JN, Zimmermann C, **Corbelli J**, Klein-Fedyshin M, **Arnold RM, Schenker Y, Kavalieratos D.** Comparison of Palliative Care Interventions for Cancer versus Heart Failure Patients: A Secondary Analysis of a Systematic Review. *J Palliat Med.* 2019 Aug;22(8):966-969. Epub 2019 Feb 14.

Barakat AF, **Asif A, Inashvili A**, Szeto L, Noor A, Thalappillil A, Adhikari S, Fatima S, Pasupula DK, **Ahmad S**, Mathew D, Bhonsale A, Kancharla K, Wang NC, Jain S, Mark Estes NA, Saba S. Documentation of shared decision making around primary prevention defibrillator implantations. *Pacing Clin Electrophysiol.* 2020 Jan;43(1):100-109. Epub 2019 Dec 25.

Barakat AF, **Inashvili A**, Alkukhun L, Shalaby AA, Wang NC, Bhonsale A, Wann D, Gardner M, Khan M, Bidani S, Skowronski J, Jain S, Voigt A, Bazaz R, Estes NAM 3rd, Saba S, Kancharla K. Use Trends and Adverse Reports of Se-

lectSecure 3830 Lead Implantations in the United States: Implications for His Bundle Pacing. *Circ Arrhythm Electrophysiol*. 2020 Jul;13(7):e008577. Epub 2020 Jun 15.

Barnett ML, Zhao X, **Fine MJ**, Thorpe CT, Sileanu FE, Cashy JP, Mor MK, **Radomski TR**, **Hausmann LRM**, **Good CB**, **Gellad WF**. Emergency Physician Opioid Prescribing and Risk of Long-term Use in the Veterans Health Administration: an Observational Analysis. *J Gen Intern Med*. 2019 Aug;34(8):1522-1529. Epub 2019 May 29.

Belsky MA, **Rothenberger SD**, Gillespie AI, Gartner-Schmidt JL. Do Phonatory Aerodynamic and Acoustic Measures in Connected Speech Differ Between Vocally Healthy Adults and Patients Diagnosed with Muscle Tension Dysphonia? *J Voice*. 2020 Jan 10:S0892-1997(19)30442-4. Online ahead of print.

Bhatnagar M, Lagnese KR. *Hospice Care*. 2020 Apr 19. In: *StatPearls [Internet]*. Treasure Island (FL): StatPearls Publishing; 2020 Jan.

Bhatnagar M, Pruskowski J. *Opioid Equivalency*. 2020 Aug 16. In: *StatPearls [Internet]*. Treasure Island (FL): StatPearls Publishing; 2020 Jan.

Birru Talabi M, Clowse MEB, Blalock SJ, **Hamm M**, **Borrero S**. Perspectives of Adult Rheumatologists Regarding Family Planning Counseling and Care: A Qualitative Study. *Arthritis Care Res (Hoboken)*. 2020 Mar;72(3):452-458.

Birru Talabi M, Clowse MEB, Blalock SJ, Moreland L, Siripong N, **Borrero S**. Contraception Use Among Reproductive-Age Women With Rheumatic Diseases. *Arthritis Care Res (Hoboken)*. 2019 Aug;71(8):1132-1140. Epub 2019 Jul 3.

Birru Talabi M, Clowse MEB, Blalock SJ, **Switzer G**, **Yu L**, Chodoff A, **Borrero S**. Development of ReproKnow, a reproductive knowledge assessment for women with rheumatic diseases. *BMC Rheumatol*. 2019 Oct 21;3:40. eCollection 2019.

Bixler FR, **Radomski TR**, Zickmund SL, Roman KM, **Hausmann LRM**, Thorpe CT, Hale JA, Sileanu FE, **Gellad WF**. Primary care physicians' perspectives on Veterans who obtain prescription opioids from multiple healthcare systems. *J Opioid Manag*. 2019 May/ Jun;15(3):183-191.

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