



**The MetroHealth System**

**POPULATION HEALTH RESEARCH INSTITUTE**

**2021 Annual Report**

## PHRI 2021 Annual Report Executive Summary

In 2021, PHRI began implementing our strategic plan to meet our shared mission of leading the way to a healthy, thriving, equitable community and nation through actionable research, education and collaboration. In 2021, PHRI faculty held **32 active grants** where our ~16 core faculty serve as PI, co-PI or site PI totaling over **22 million dollars (increased from 27 grants and 17 million dollars in 2020) with 7 new grants in 2021 (see 2021 PHRI Grants Table).**

A few examples of newly funded grants include:

- 1) a \$4.1 million dollar AHRQ grant to improve cardiovascular health and reduce cardiovascular health disparities across the state (PIs Bolen/Caron)
- 2) 2 grants around \$50,000 each evaluating symptom clusters and phenotypic trajectories in patients with neurologic conditions to better identify and treat these individuals (PIs Gunzler/Briggs)
- 3) a \$235,000 grant on use of EHRs for vaccine adverse event reporting including the COVID-19 vaccine (site PI Kaelber)
- 4) a \$220,000 grant focused on statewide heart disease and stroke prevention (site PI Liskay).

PHRI faculty also continued to serve as co-Is on **11 collaborative grants bringing in an additional 1.4 million dollars**. We list selected key internally funded aligned MetroHealth projects where PHRI faculty have contributed effort in 2021, such as evaluation of social determinants of health (see **2021 PHRI Selected Internally Funded Projects Table**). We also established and began a PHRI pilot grant program to provide seed funding for collaborative population health research focused grants in 2021.

Beyond funded grants and projects, we continued to grow faculty and build collaborations in 2021 to assist in meeting our mission. We invited an additional 20 collaborating faculty (bringing our total collaborative faculty to 46) to join with us from across the region. We hired 2 new investigators focused on disparities (Dr. Gaglioti and Dr. De Luca) and a new postdoc fellow (Dr. Eom) focused on cancer and population health. We also established a PHRI research fellowship, and hired one new research fellow for the program in 2021.

PHRI faculty continued to disseminate their work to enhance the regional and national reputation of The MetroHealth System and Case Western Reserve University (CWRU). We continued to increase our publications to 89 in 2021 (from 38 in 2019 and 58 in 2020) around key topic areas such as COVID-19, health disparities, trauma, cardiovascular health, and informatics research (see **2021 PHRI Publication List**). Our faculty were invited to provide 30 national presentations in 2021 – increased from around 20 the year prior (see **2021 PHRI Invited National Presentations**), with an additional 40 other regional and national presentations in 2021 highlighting PHRI activities (see **2021 PHRI Abstracts/Conference Talks List**). We also established a PHRI Annual Visiting Professor Series with over 50 attendees, and continued our well attended Annual Duncan Neuhauser Lecture Series around quality improvement.

PHRI faculty mentored over 65 trainees in 2021 on population health focused research including around 20 residents and faculty from The MetroHealth System and over 20 CWRU students (see **2020 PHRI Trainees Table**). In addition to mentoring trainees, we continued to teach high profile courses at CWRU, including but not limited to the following: 1) Design and Analysis of Observational Studies led by Dr.

Love, PHRI Director of Biostatistics and Data Sciences; 2) Introduction to Clinical Research Scholars Program led by Dr. Einstadter; 3) Climate Change and Health led by CRHD Co-Director Dr. Sehgal – newly created course in 2021; and 4) Qualitative and Mixed Methods in Public Health led by Dr. Perzynski. We continue to assist in teaching Block 1 and 3 CWRU medical students. Our PHRI faculty have had several awards, honors and promotions in the past year based on their work (see **2021 PHRI Honors, Awards, and Promotions List**). Lastly, PHRI faculty have filled over 100 critical service roles nationally and regionally, including service roles within MetroHealth, within CWRU, and within the community (see **PHRI Service Roles List 2021**). We look forward to future activities in 2022.

Please join us at one of our weekly PHRI seminar series (<https://www.metrohealth.org/population-health-research-institute/seminar-series>).

Sincerely,



Shari Bolen MD, MPH

Associate Professor of Medicine, Population and Quantitative Health Sciences  
The MetroHealth System and Case Western Reserve University  
Director, Population Health Research Institute  
The MetroHealth System

# POPULATION HEALTH RESEARCH INSTITUTE

## 2021 ANNUAL REPORT

Executive Summary

Grants

- Grants Active or in No Cost Extension (By PI, Co-PI, or Site PI)
- Grants Active or in No Cost Extension (By Co-Investigator)

Publications

Invited Presentations

Conference Talks and Abstracts

Honors, Awards, Milestones, and Promotions

Research Trainees

Courses, Course Lectures and Workshops Delivered

Select Internally Funded Collaborative Projects

Service Roles

## **Grants**

Grants Active or in No Cost Extension (By PI, Co-PI, or Site PI)

Grants Active or in No Cost Extension (By Co-Investigator)

## POPULATION HEALTH RESEARCH INSTITUTE

### Grants Active or in No Cost Extension in 2021 (by PI, Co-PI, or Site PI)

PHRI Faculty	Funding Source	Abbreviated Grant/ Project Title	Total MH \$'s All Years (DC + IC)	Start/End Dates
<b>CENTER FOR CLINICAL INFORMATICS RESEARCH AND EDUCATION (CCIRE)</b>				
Kaelber	PCORI PCS-1409-24372 8651121199 8651141199	P-PCORI-VERMONT Integrating Behavioral Health and Primary Care for Comorbid Behavioral and Medical Problems (Littenberg-PI) / (Kaelber-Site PI, Informatics Lead)	\$598,600	2/1/2018 – 3/31/2021
Kaelber	NIH/NCRR UTR002548A	Cleveland Translational Science Consortium (CTSC) Informatics (Konstan-PI) / (Kaelber-Site PI, Informatics Lead) / (Tarabichi-Dir. of Clinical Informatics Research Support)	\$168,052	5/15/2018 – 4/30/2023
Kaelber	Univ. of Cincinnati (NIH, Prime Sponsor) 2UG1DA013732-21 8651181299	Ohio Valley Node-Network (OVNN) of the NIDA Clinical Trials Network (CTN OVNN YR 21) (Kaelber-Site PI)	\$23,032	3/1/21 - 2/28/22
Kaelber	BIOS-CHOP 8651191199	Comparative Effectiveness of Broad vs. Narrow Spectrum Antibiotics for Acute Respiratory Tract Infections in children (Kaelber-Site PI)	\$161,299	2/1/20 - 1/31/22
Kaelber	DARTNet Institute 8651161199	Advancing the Patient Experience in Chronic Obstructive Pulmonary Disease (APEX COPD) (Kaelber-Site PI)	\$10,500	12/4/19- 12/3/21
Kaelber	Rutgers (NIH, prime Sponsor) 8651201199	COVID-19 Network of Networks Expanding Clinical and Translational approaches to Predict Severe Illness in Children (CONNECT to Predict Sick Children) (Kaelber-Site PI)	\$12,215.00	1/1/21 - 11/30/21
Kaelber	Rutgers (NIH, prime Sponsor) 8651171299	Maternal and Child Health Measurement Research Network (Kaelber-Site PI)	\$4,072	9/1/20 – 8/31/21
Kaelber	Harvard Pilgrim Health Care, Inc 8651221199	Safety and Healthcare Epidemiology Prevention Research Development (SHEPheRD) Program 2021 Domain 1-A012 Electronic Support for Public Health-VAERS (ESPVAERS) for COVID-19 (Kaelber Site - PI)	\$235,027	9/13/21 - 9/12/23
Tarabichi	T32 NIH 7851011199	P-LUNG CANCER SCREENING DECISION AID An EHR-integrated, Risk-tailored Decision Aid to Facilitate Shared Decision Making Regarding Lung Cancer Screening in a Safety-net Hospital: A Randomized Controlled Pilot (Tarabichi-PI)	\$12,000	7/29/2019 – 7/31/21
Tarabichi	Beckman-Coulter, Inc.	Collection of Electronic Health Data to Support Product Development Life Cycle of Sepsis Onset Warning System (SOWS) Product (the "Clinical Research Study" or "Study") (Tarabichi-Site PI)	\$122,000	11/18/20 – 12/31/22
<b>TOTAL CCIRE</b>			<b>\$1,346,797</b>	

<b>CENTER FOR REDUCING HEALTH DISPARITIES (CRHD)</b>				
Huml	K23 NIH/NIDDK RES207950	Barriers to Care for Patients Transitioning from Transplant to Dialysis (Huml-PI)	\$740,295	7/19/2016 – 10/31/2021
Sehgal	U54 NIH/NIMHD RES514268	Involving Communities in Delivering and Designing Health Disparity Interventions (Sehgal-PI)	\$7,053,013	9/1/2017 – 4/30/2022
Sehgal	R01 NIH/NCI RES225210	Pain & Immobility After Breast Cancer Surgery (Sehgal-PI)	\$2,204,125	7/1/2019 – 6/30/2023
Sehgal	NIH/NIDDK R01 DK112905-01A1	Using Latent Variables and Directly Observed Treatment to Improve the Management of Depression Among Hemodialysis Patients (Gunzler, Sehgal-MPI's)	\$1,166,845	12/5/17 – 11/30/2022
<b>TOTAL CRHD</b>			<b>\$11,164,278</b>	
<b>CENTER FOR HEALTH CARE RESEARCH &amp; POLICY (CHRP)</b>				
Avery	AIDS United 7411151199	TOT Study (Avery-PI)	\$30,000	12/15/19- 1/31/21
Bolen	Centers for Disease Control and Prevention NU58DP006586-01-00	Racial and Ethnic Approaches to Community Health (REACH) (Halko-PI) / (Bolen-Project Lead)	\$377,705*	9/30/2018- 9/29/2023
Bolen	Ohio Dept. of Medicaid RES515503 RES515499	Hypertension Quality Improvement Project State and Federal (Konstan, Bolen-PI's)	\$154,489	7/3/2019 – 6/30/2021
Bolen	Ohio Dept. of Medicaid ODM202216	Ohio Cardiovascular and Diabetes Health Collaborative—Cardi-OH (Konstan, Bolen-PI's)	\$242,274	7/3/2019 – 6/30/2022
Bolen	Ohio Dept. of Medicaid ODM202216	Diabetes Quality Improvement Project—Federal and State (Konstan, Bolen-PI's)	\$255,181	7/3/2019 – 6/30/2022
Bolen, Caron	Agency for Healthcare Research & Quality U18HS027944	Heart Healthy Ohio (Bolen, Caron-MPI's)	\$4,139,237	1/1/21 – 12/31/23
Caron	Health Resources and Services Administration (HRSA) T0BHP28557	Primary Care Training and Enhancement: Physician Faculty Development (Caron-PI) Primary Care Training and Enhancement: Physician Faculty Development Supplemental (Boltri-PI) / (Caron-Site PI)	\$1,794,259	7/1/2015 – 6/30/2021
Caron	HRSA T13HP31899	Primary Care Training and Enhancement: Training Primary Care Champions (Caron-PI)	\$780,289	9/1/2018 – 8/31/2023
Caron	HRSA G0098-A	Primary Care Practice Transformation Fellowship. NEOMED HRSA Supplemental (Boltri-PI) / (Caron-Site PI)	\$43,159	7/1/2019 – 6/30/2021
Caron	University of New Mexico 75Q80120C00003	AHRQ ECHO National Nursing Home COVID-19 Action Network (Arora-PI) / (Caron-Site PI)	\$800,000	9/24/20 – 3/31/21
Gunzler	NIH/NIDDK R01 DK112905-01A1	Using Latent Variables and Directly Observed Treatment to Improve the Management of Depression Among Hemodialysis Patients (Gunzler, Sehgal-MPI's)	See above under Sehgal	12/5/2017 – 11/30/2022

Gunzler	National Institute of Nursing Research NR019306	Elucidating Symptoms Clusters in Multiple Sclerosis Using Patient Reported Outcomes and Unsupervised Machine Learning (Briggs, Gunzler-Co-PI's)	\$54,519	8/24/21 – 6/30/23
Gunzler	Michael J. Fox Foundation MJFF-020155	Characterizing Phenotypic Trajectories in People with Parkinson's Disease (Briggs, Gunzler-Co-PI's)	\$41,808.88	8/1/21 – 7/31/22
Liskay	Ohio Dept. of Health 5750622301	P-COVERDELLREGISTRY YR5 Heart Disease and Stroke Prevention (Liskay-PI)	\$220,000	6/30/2021 – 6/29/2022
Perzynski	NIH/NIA RES514175 R01 AG055480	Modeling and Forecasting Atherosclerotic Risk: A Complex Systems Approach (Dalton, Perzynski-PI's)	\$242,126	4/1/2019 – 3/31/2022
Perzynski	NIH/NIA R01AG055480-04S1 RES515562	Cardiovascular Risk among Transgender Persons in a Regional Electronic Health Record Registry (Dalton, Perzynski-PIs)	\$98,859	8/1/20 – 3/31/22
Perzynski	NIH/NIA R01AG055480-04S1 RES515563	Mechanisms of Cognitive Decline Across Socioeconomic and Clinical Contexts (Perzynski-PI)	\$402,453	8/1/20 – 3/31/22
Perzynski	CWRU/Ohio Development Services Agency TECG20200278	Dehydration Risk Sensor (Perzynski-PI)	\$49,462	6/1/21 – 5/31/22
Seeholzer	American Cancer Society RSG-18-137-01 6221041399	CHOOSE2QUIT YR 3: Improving Equity in Smoking Cessation for Low-Income Adults (Flocke-PI) / (Seeholzer-Site-PI)	\$196,530	8/1/2021 – 7/31/2022
<b>TOTAL CHRP</b>			<b>\$9,922,351</b>	
<b>TOTAL ALL CENTERS</b>			<b>\$22,433,426</b>	

\* This amount is amount to Better Health Partnership on this award.

## POPULATION HEALTH RESEARCH INSTITUTE

<b>Grants Active or in No Cost Extension in 2021 (by Co-Investigator)</b>				
PHRI Faculty	Funding Source	Abbreviated Grant / Project Title	Total MH \$'s All Years (DC + IC)	Start/End Dates
<b>CENTER FOR REDUCING HEALTH DISPARITIES (CRHD)</b>				
Sehgal	University of NM RES237042	Access to Kidney Transplantation (Myaskovsky-PI)	\$92,034	7/7/20 – 1/31/25
<b>TOTAL CRHD</b>			<b>\$92,034</b>	
<b>CENTER FOR HEALTH CARE RESEARCH &amp; POLICY (CHRP)</b>				
Bolen	NIH-NLM R01LM012518 RES513676	Decision-Making Modeling for Treating Intimate Partner Violence (Karakurt-PI)	\$58,721	8/6/18 – 7/31/22
Caron	SAMHSA 646101499	MetroHealth First Responders Project (Cioletti-PI)	\$493,080	9/30/20 – 9/29/21
Einstadter	Nat'l Instit. of Mental Health R01MH119487 RES515534	Effectiveness RCT of Customized Adherence Enhancement (CAE-E) (Levin, Sajatovic-PI's)	\$73,980	4/15/20 – 3/31/25
Einstadter	Nat'l Instit. of Nursing Research R01NR018023 RES227567	Reducing Stroke Risk in African-American Men (TEAM2) (Sajatovic, Still-PI's)	\$80,315	9/5/19 – 6/30/24
Einstadter	Nat'l Heart, Lung, and Blood R01HL149409 RES231822	Using mHealth to Improve Adherence and Reduce Blood Pressure in Individuals with Hypertension and Bipolar Disorder (ITAB-CV) (Levin, Sajatovic-PI's)	\$62,790	8/17/20 – 4/30/25
Gunzler	National Cancer Institute R01CA228906 RES515850	Implied Modified Risk Statements as Predictors of Flavored Little Cigar and Cigarillo Use (Sterling-PI, Trapl-Site PI)	\$79,290	9/1/20 – 8/31/21
Love	PCORI MS-1610-37047	Comparing Two Approaches to Treat Relapsing-Remitting Multiple Sclerosis -- the DELIVER-MS Study (Ontaneda-PI)	\$194,498	2/1/18 – 1/31/23
Perzynski	Nat'l Cancer Institute R01CA226921 RES515661	TNBC in AA Women Supplement (Sossey-Alaoui-PI)	\$197,603	5/3/19 – 4/30/24
Perzynski	NICHHD R01HD105892	Patient-Centered Outcomes of Sacrocolpopexy versus Uterosacral Ligament Suspension for the Treatment of Uterovaginal Prolapse -- PREMIER Trial (Hijaz, PI)	\$36,225	8/20/21 – 7/31/26
Perzynski	University Hospitals	Northeast Ohio Renal Research Innovation Award	\$62,500	12/1/21 – 11/30/22
<b>NEED TO CHECK TOTALS</b>			<b>TOTAL CHRP</b>	<b>\$1,339,002</b>
<b>TOTAL ALL CENTERS</b>			<b>\$1,431,036</b>	

## **Publications**

## Publications in 2021

### Peer Reviewed Articles (trainee authors underlined)

1. Alexander JT, Staab EM, Wan W, Franco M, Knitter A, Skandari MR, **Bolen S**, et al. [The longer-term benefits and harms of glucagon-like peptide-1 receptor agonists: a systematic review and meta-analysis](#). J Gen Intern Med. 2021 Sep 10. doi: 10.1007/s11606-021-07105-9. Epub ahead of print. PMID: 34508290.
2. Alkilany R, **Tarabichi Y**, Hong R. Telemedicine Visits During COVID-19 Improved Clinic Show Rates. ACR Open Rheumatol. 2021 Nov 17;10.1002/acr2.11372. doi: 10.1002/acr2.11372. Epub ahead of print. PMID: 34786877; PMCID: PMC8653077.
3. Balaram K, Marwaha R, **Kaelber DC**. [The effects of substance use on severe acute respiratory syndrome coronavirus infection risks and outcomes](#). Curr Opin Psychiatry. 2021 Jul 1;34(4):386-392. doi: 10.1097/YCO.0000000000000711. Review. PubMed PMID: 34001701; PubMed Central PMCID: PMC8183241.
4. Baltes M, Pronovost E, **Kanuch S**, **Caron A**. Improving influenza vaccination rates in an underserved primary care clinic using a simple educational tool. Quality Management in Health Care. In press.
5. Baltrus PT, Douglas M, Li C, Caplan LS, Blount M, Mack D, **Gaglioti AH**. Percentage of Black population and primary care shortage areas associated with higher COVID-19 case and death rates in Georgia counties. South Med J. 2021 Feb;114(2):57-62. doi: 10.14423/SMJ.00000000000001212. Erratum in: South Med J. 2021 May;114(5):326. PMID: 33537783; PMCID: PMC7870015.
6. Barreto T, Li C, Chung YK, Jabbarpour Y, Baltrus P, **Gaglioti A**. Measuring state-level racial inequity in severe maternal morbidity in the Medicaid population. Matern Child Health J. 2021 Dec 2. doi: 10.1007/s10995-021-03192-6. Epub ahead of print. PMID: 34855057.
7. Baskin JZ, White BM, VasANJI A, **Love TE**, Eppell SJ. Mandible biomechanics and continuously erupting teeth: a new defect model for studying load-bearing biomaterials. Biomedicine 2021 Jun; 25; 9(7). doi:10.3390/biomedicine9070730 [PMID: 34202189].
8. Bender AE, **Berg KA**, Miller EK, Evans KE, Holmes MR. "Making sure we are all okay": healthcare workers' strategies for emotional connectedness during the COVID-19 pandemic. Clinical Social Work Journal. 2021 Jan 11:1-1.
9. Bensken WP, Krieger NI, **Berg KA**, **Einstadter D**, **Dalton JE**, **Perzynski AT**. Health status and chronic disease burden of the homeless population: an analysis of

## Publications – 2021 (Continued)

- two decades of multi-institutional electronic medical records. *J Health Care Poor Underserved*. 2021;32(3):1619-1634. doi: 10.1353/hpu.2021.0153. PMID: 34421052; PMCID: PMC8477616.
10. **Berg KA**, Francis MW, Ross K, Spilsbury JC. Opportunities to improve sleep of children exposed to interpersonal violence: a social-ecological perspective. *Children and Youth Services Review*. 2021 May 25:106082.
  11. **Berg KA, Dalton JE, Gunzler DD**, Coulton CJ, Freedman DA, Krieger NI, **Dawson NV, Perzynski AT**. The ADI-3: a revised neighborhood risk index of the social determinants of health over time and place. *Health Serv Outcomes Res Method*. 2021;21, 486–509. <https://doi.org/10.1007/s10742-021-00248-6>.
  12. Birabaharan M, **Kaelber DC**, Karris MY. [Risk of herpes zoster reactivation after messenger RNA COVID-19 vaccination: A cohort study](#). *J Am Acad Dermatol*. 2021 Nov 23;. doi: 10.1016/j.jaad.2021.11.025. [Epub ahead of print] PubMed PMID: 34826538; PubMed Central PMCID: PMC8608757.
  13. Birabaharan M, **Kaelber DC**, Karris MY. [Bone mineral density screening among people with HIV: a population-based analysis in the United States](#). *Open Forum Infect Dis*. 2021 Mar;8(3):ofab081. doi: 10.1093/ofid/ofab081. eCollection 2021 Mar. PubMed PMID: 33796595; PubMed Central PMCID: PMC7990062.
  14. Birabaharan M, Strunk A, **Kaelber DC**, Smith DM, Martin TCS. [Sex differences in type 2 diabetes mellitus prevalence among persons with HIV: a cross-sectional analysis](#). *AIDS*. 2021 Nov 8;. doi: 10.1097/QAD.0000000000003127. [Epub ahead of print] PubMed PMID: 34750292.
  15. **Bolen SD, Love TE, Einstadter D, Lever J, Lewis S**, Persaud H, **Fiegl J**, Liu R, Ali-Matlock W, **Bar-Shain D, Caron A, Misak J**, Wagner T, Kauffman E, Cook L, Hebert C, White S, Kobaivanova N, **Cebul R**. Improving regional blood pressure control: a positive deviance tiered intensity approach. *J Gen Intern Med*. 2021 Jun;36(6):1591-1597. doi: 10.1007/s11606-020-06480-z. Epub 2021 Jan 26. PMID: 33501526; PMCID: PMC8175516.
  16. Botticello AL, Murphy L, Bogner J, Boninger M, Bryce TN, Chen Y, Heinemann AW, **Roach MJ**. Who moves after SCI? Individual, health, and neighborhood predictors of residential mobility among participants in the National Spinal Cord Injury Model Systems Database. *Arch Phys Med Rehabil*. 2021 May 15:S0003-9993(21)00368-3. doi: 10.1016/j.apmr.2021.03.039. Epub ahead of print. PMID: 34004163.
  17. Brackney K, **Labbad G**, Hersh A, Rincon M, **Bar-Shain D**, Babb R, Gibson K. Missed RHIG administration to postpartum patients in two health systems: an unrecognized patient safety risk. *AJOG Global Reports*. Manuscript # XAGR-D-21-00082R1. Accepted for publication December 1, 2021. In press.

## Publications – 2021 (Continued)

18. Brady JT, Dreimiller A, Miller-Spalding S, Gesang T, **Sehgal AR**, McHenry CR. Are narcotic pain medications necessary after discharge following thyroidectomy and parathyroidectomy? *Surgery*. 2021;169:202-208.
19. Briggs FBS, Conway DS, De Nadai AS, Ontaneda D, **Gunzler DD**. Integrating patient-reported outcomes and quantitative timed tasks to identify relapsing remitting multiple sclerosis patient subgroups: a latent profile analysis. *Mult Scler Relat Disord*. 2021 Jun;51:102912. doi: 10.1016/j.msard.2021.102912. Epub 2021 Mar 18. PMID: 33773274.
20. **Caron A**, Bauchens K, Russo F, Teng K. Impact of telecommuting on clinician absenteeism in primary care-potential solution for burnout? *J Ambul Care Manage*. 2021 Oct-Dec 01;44(4):321-324. doi: 10.1097/JAC.0000000000000391. PMID: 34310484.
21. **Caron A**, Pronovost P. Central versus local quality efforts: the need for both. *J Am Board Fam Med*. 2021 Sep-Oct;34(5):1038-1041. doi: 10.3122/jabfm.2021.05.210015. PMID: 34535533.
22. **Caron A**, Russo F, Bauchens K, Teng K. Providing rapid access to care for underserved patients during the COVID-19 pandemic. *The Permanente Journal*. In press.
23. Chagin K, Choate F, Cook K, Fuehrer S, **Misak JE**, **Sehgal AR**. A framework for evaluating social determinants of health screening and referrals for assistance. *J Prim Care Community Health*. In press.
24. Clifton J, Bonnell L, Hitt J, Crocker A, Rose GL, van Eeghen C, Kessler R, Stephens KA, Teng K, **Leon J**, Mollis B, Littenberg B. Differences in occupational burnout among primary care professionals. *J Am Board Fam Med*. 2021 Nov-Dec;34(6):1203-1211. doi: 10.3122/jabfm.2021.06.210139. PMID: 34772775.
25. Collin LJ, **Gaglioti AH**, Beyer KM, Zhou Y, Moore MA, Nash R, et al. Neighborhood-level redlining and lending bias are associated with breast cancer mortality in a large and diverse metropolitan area. *Cancer Epidemiol Biomarkers Prev*. 2021 Jan;30(1):53-60. doi: 10.1158/1055-9965.EPI-20-1038. Epub 2020 Oct 2. PMID: 33008873; PMCID: PMC7855192.
26. **Dalton JE**, **Gunzler DD**, Jain V, **Perzynski AT**, **Dawson NV**, **Einstadter D**, **Tarabichi Y**, Imrey P, Lewis M, Kattan MW, Yao J, **Taksler G**, **Berg KA**, Krieger NI, **Kaelber D**, et al. Mechanisms of socioeconomic differences in COVID-19 screening and hospitalizations. *PLoS One*. 2021 Aug 5;16(8):e0255343. doi: 10.1371/journal.pone.0255343. PMID: 34351971; PMCID: PMC8341486.
27. **De Luca SM**, Caramanis C, Zhang A. A longitudinal study examining the associations of bullying victimization and suicidal ideation among sexual minority adolescents. *Suicide Life Threat Behav*. 2021 Dec;51(6):1138-1147. doi: 10.1111/sltb.12796. Epub 2021 Aug 10. PMID: 34374470.

## Publications – 2021 (Continued)

28. DiCenso SM, **Kaelber DC**, Mistovich RJ. [Pediatric pelvic fractures: an epidemiological analysis of a population-based database](#). J Pediatr Orthop B. 2021 Dec 22;. doi: 10.1097/BPB.0000000000000945. [Epub ahead of print] PubMed PMID: 34954762.
29. Domecq JP, Lal A, Sheldrick CR, Kumar VK, Boman K, Bolesta S, Bansal V, Harhay MO, Garcia MA, Kaufman M, Danesh V, Cheruku S, Banner-Goodspeed VM, Anderson HL 3rd, Milligan PS, Denson JL, St Hill CA, Dodd KW, Martin GS, Gajic O, Walkey AJ, Kashyap R; Society of Critical Care Medicine Discovery Viral Infection and Respiratory Illness Universal Study (VIRUS): COVID-19 Registry Investigator Group.\* Outcomes of patients with Coronavirus Disease 2019 receiving organ support therapies: The International Viral Infection and Respiratory Illness Universal Study Registry. Crit Care Med. 2021 Mar 1;49(3):437-448. doi: 10.1097/CCM.0000000000004879. Erratum in: Crit Care Med. 2021 May 1;49(5):e562. PMID: 33555777.  
\* **Perzynski A, Tarabichi Y** served as site co-PI's in an international multi-center collaboration.
30. Douglas MD, Bent Weber S, Bass C, Li C, **Gaglioti AH**, Benevides T, et al. Creation of a longitudinal legal data set to support legal epidemiology studies of mental health insurance legislation. Psychiatr Serv. 2021 Jul 29;appips202100019. doi: 10.1176/appi.ps.202100019. Epub ahead of print. PMID: 34320828.
31. Douglas MD, Respress E, **Gaglioti AH**, Li C, Blount MA, Hopkins J, et al. Variation in reporting of the race and ethnicity of COVID-19 cases and deaths across US States: April 12, 2020, and November 9, 2020. Am J Public Health. 2021 Jun;111(6):1141-1148. doi: 10.2105/AJPH.2021.306167. Epub 2021 Apr 15. PMID: 33856884; PMCID: PMC8101591.
32. Elangovan A, Skeans J, Landsman M, Ali SMJ, Elangovan AG, **Kaelber DC**, et al. [Colorectal cancer, age, and obesity-related comorbidities: a large database study](#). Dig Dis Sci. 2021 Sep;66(9):3156-3163. doi: 10.1007/s10620-020-06602-x. Epub 2020 Sep 21. PubMed PMID: 32954457.
33. Elangovan A, Skeans J, Lalani I, Ullah F, Roy A, **Kaelber DC**, et al. [Disparities in colorectal cancer screening practices in a midwest urban safety-net healthcare system](#). Dig Dis Sci. 2021 Aug;66(8):2585-2594. doi: 10.1007/s10620-020-06545-3. Epub 2020 Aug 20. PubMed PMID: 32816217.
34. Emerman C, Tracy D, **Siff J**. Nicotine patch prescription fulfillment rate for emergency department patients. West J Emerg Med. 2021;22(3)648-652. doi: 10.5811/westjem.2021.2. PMID: 34125041.
35. **Eom KY**, van Londen GJ, Li J, Dahman B, Bradley C, Sabik LM. Changes in initiation of adjuvant endocrine therapy for breast cancer after state health reform. BMC Cancer. 2021 May 1;21(1):487. doi: 10.1186/s12885-021-08149-0. PMID: 33933027; PMCID: PMC8088064.

## Publications – 2021 (Continued)

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## Publications – 2021 (Continued)

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- Cancers (Basel). 2021 Dec 14;13(24):6262. doi: 10.3390/cancers13246262. PMID: 34944882; PMCID: PMC8699660.
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  66. Santiago AM, **Berg KA**, Leroux J. Assessing the impact of neighborhood conditions on neurodevelopmental disorders during childhood. *International Journal of Environmental Research and Public Health*. 2021 Jan;18(17):9041.
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75. Slain KN, Barda A, Pronovost PJ, **Thornton JD**. Social factors predictive of intensive care utilization in technology-dependent children. *Frontiers in Pediatrics*. 2021; 9(721353):1-10. PMID: 34589454
76. Still CH, Burant C, Moore S, **Einstadter D**, Killion C, Modlin C, Sundararajan S, **Thornton JD**, Wright JT Jr, **Sajatovic M**. The Targeted Management (TEAM) Intervention for reducing stroke risk in African American men: rationale and study design of a prospective randomized controlled trial. *J Multidiscip Healthc*. 2021 Feb 23;14:513-522. doi: 10.2147/JMDH.S288753. eCollection 2021. PMID: 33654407.
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79. Tarabay R, Al Aridi R, Gemechu F, Corrigan M, Campbell J, **Caron A**. Attitudes of older adults toward getting the seasonal flu vaccine and the Novel COVID-19 vaccine during the 2020-2021 COVID-19 pandemic: a cross-sectional study. *Quality in Primary Care*. 2021;29(6): 68-71.
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## Publications – 2021 (Continued)

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<https://www.acpjournals.org/doi/10.7326/M21-1513#>.
83. **Thornton JD, Einstadter D**, Frazier J, Waggoner J, Crepage C, VanDemark N. Evaluating the performance of driver's license agencies using a standardized donor ratio. *Transplant Proc.* 2021 Mar;53(2):555-559. doi: 10.1016/j.transproceed.2020.07.018. Epub 2020 Sep 23. PMID: 32977977.
84. Ullah F, **Kaelber DC**. [Using Large Aggregated De-Identified Electronic Health Record Data to Determine the Prevalence of Common Chronic Diseases in Pediatric Patients Who Visited Primary Care Clinics.](#) *Acad Pediatr.* 2021 Aug;21(6):1084-1093. doi: 10.1016/j.acap.2021.05.007. Epub 2021 May 19. PubMed PMID: 34022428; PubMed Central PMCID: PMC8637401.
85. Vasireddi SK, Pivato E, Soltero-Mariscal E, Chava R, James LO, **Gunzler D**, et al. Postoperative myocardial injury in patients classified as low risk preoperatively is associated with a particularly increased risk of long-term mortality after noncardiac surgery. *J Am Heart Assoc.* 2021 Jul 20;10(14):e019379. doi: 10.1161/JAHA.120.019379. Epub 2021 Jun 19. PMID: 34151588; PMCID: PMC8483485.
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87. Wang QQ, **Kaelber DC**, Xu R, Volkow ND. [COVID-19 risk and outcomes in patients with substance use disorders: analyses from electronic health records in the United States.](#) *Mol Psychiatry.* 2021 Jan;26(1):30-39. doi: 10.1038/s41380-020-00880-7. Epub 2020 Sep 14. PubMed PMID: 32929211; PubMed Central PMCID: PMC7488216.
88. Wang QQ, **Kaelber DC**, Xu R, Volkow ND. [Correction: COVID-19 risk and outcomes in patients with substance use disorders: analyses from electronic health records in the United States.](#) *Mol Psychiatry.* 2021 Jan;26(1):40. doi: 10.1038/s41380-020-00895-0. PubMed PMID: 32999436; PubMed Central PMCID: PMC7526074.
89. Yao J, **Perzynski AT, Tarabichi Y**, Swarup N, Roy A. Socioeconomic distress as a predictor of missed first outpatient newborn visits. *Cureus.* 2021 Mar;13(3). doi: [10.7759/cureus.14132](https://doi.org/10.7759/cureus.14132)

## Books, Book Chapters, Published Letters, Editorials, Invited Manuscripts & Technical Reports

1. **Berg KA**, Coulton CJ, **Perzynski AT**. Racism and the racialization of U.S. neighborhoods: impacts on child maltreatment and child maltreatment

## Publications – 2021 (Continued)

- reporting. In: *It Takes a Village: The Evolution of Neighborhoods and Implications for Child Maltreatment*. Katz C & Maguire-Jack K (Eds.). Springer: NY. In press.
2. Billings M, **Thornton JD**, The legacy of racial and ethnic segregation on health: the story of CPAP use. *American Journal of Respiratory and Critical Care Medicine*. 2021;204(3):252-254. PMID: 33844933.
  3. **Gunzler D, Perzynski A**, Carle A. *Structural Equation Modeling for Health and Medicine*. Chapman & Hall/CRC Biostatistics Series. 2021 Mar 30. ISBN 9781138574250.
  4. **Hossain R, Siff J**, Emerman C. Non-Interruptive Clinical Decision Support Improves Ordering of Inhaled Corticosteroids for Asthma Exacerbations Discharged from Emergency Department. *American College of Emergency Physicians Research Forum*. Boston, MA. October 28, 2021.
  5. **Huml AM**, Schold JD. [Kidney Transplantation and Candidate BMI: Viability Is in the Eye of the Beholder](#). *Am J Kidney Dis*. 2021 Oct;78(4):484-486.
  6. LeVine K, **Reed E, Siff J**, Wilson L, **Papp J**, Piktel J. Effect of COVID-19 Surge Mitigation on Emergency Department Visits for Patients at High Risk for Opioid Overdose. *American College of Emergency Physicians Research Forum Special Edition*. August 2021.
  7. Maguire-Jack K, Korbin JE, **Perzynski A**, Coulton C, Font SA, Spilsbury JC. How place matters in child maltreatment disparities: geographical context as an explanatory factor for racial disproportionality and disparities. Dettlaff AJ (Ed.) In: *Racial Disproportionality and Disparities in the Child Welfare System*. *Child Maltreatment (Contemporary Issues in Research and Policy)*, 2021;11:199-212. Springer, Cham. [https://doi.org/10.1007/978-3-030-54314-3\\_11](https://doi.org/10.1007/978-3-030-54314-3_11)
  8. **Misak J**, Frech R, Chagin K, **Perzynski AT, Berg KA** at the MetroHealth System Institute for H.O.P.E.™. [Implementing a Hospital-based Social Needs Referral System During COVID-19 to Combat Food Insecurity and Social Isolation](#). *Ohio Family Physician*, Spring 2021; 81:24-25.
  9. **Sullivan A, Gunzler D**, Morris N, VanderWeele T. Longitudinal Mediation Analysis with Latent Growth Curves. 2021. Available at <https://arxiv.org/abs/2103.05765>.
  10. **Thornton JD**. To Understand the disparities in living kidney transplantation outcomes, look to the community, *JAMA Network Open*. 2021;4(4):e3216390. Doi:10.1001/jamanetworkopen.2021.6390. PMID: 33847754.

## **Invited Presentations**

## Invited Presentations in 2021

### National/International

1. Adebambo I, Perzynski AT. Teaching Health Disparities using Case Narratives. *Workshop at the National Collaborative for Education to Address the Social Determinants of Health Annual Conference, 2021*
2. Berg K, Gunzler D, Carle A, Perzynski AT. Structural Equation Modeling. Short Course at the Annual Meeting of the Society for Medical Decision Making (Virtual), 2021
3. Bolen SD. Ohio Cardiovascular and Diabetes Health Collaborative (Cardi-OH) and Hypertension Quality Improvement Project (HTN QIP). Million Hearts Partner Call. Centers for Disease Control and Prevention and Centers for Medicare and Medicaid Services, National Webinar, Invited Presentation, January, 2021
4. Gaglioti AH. Using a Health Equity Lens for Intervention Implementation and Integrating Equity into Evaluation. Didactic Presenter, American Cancer Society Disparities Reducing ECHO Series (Virtual), American Cancer Society, Atlanta, Georgia, November 30, 2021
5. Gaglioti AH. National COVID-19 Resiliency Network: Building an Equity-Focused Longitudinal COVID-19 Data Platform Incorporating PLACES. Invited Presenter, Centers for Disease Control and Prevention, Atlanta, Georgia, PLACES Team(Virtual), November 10, 2021
6. Gaglioti AH. Invited Panel Participant, National Heart Lung and Blood Institute Community Engaged COVID-19 Research Roundtable (Virtual), July 10, 2021
7. Gaglioti AH. Invited Participant, Center for Open Data Enterprise Roundtable on Using SDOH Data to Fight COVID-19 and Support Recovery Efforts Convened by HHS (Virtual), August 12-13, 2021
8. Gaglioti AH. Invited Panelist, Practice Based Research Network Presentation to the Trans-NIH-OEG-IG Meeting, Maximizing the Promise of Primary Care Practice Based Research Networks (PBRNs) (Virtual), October 13, 2021
9. Gunzler D. An Introduction to Structural Equation Modeling for Analysis of Overlapping Symptoms in Co-Occurring Conditions. Department of Biostatistics and Bioinformatics Virtual Seminar, The George Washington University, Washington, DC, September 2021
10. Gunzler D. An Introduction to Structural Equation Modeling for Analysis of Overlapping Symptoms in Co-occurring Conditions. Department of Preventive Medicine Virtual Seminar, Feinberg School of Medicine, Northwestern University, Chicago, Illinois, February 2021

## Invited Presentations – 2021 (Continued)

11. Gunzler D, Perzynski AT, Carle A. Structural Equation Modeling for Health and Medicine. Short Course for the American Statistical Association Central Kansas Chapter (Virtual), 2021
12. Gunzler D, Perzynski AT, Carle A. Structural Equation Modeling for Health and Medicine. Short Course for the American Statistical Association Montana Chapter (Virtual), 2021
13. Gunzler D, Perzynski AT, Carle A. Structural Equation Modeling for Health and Medicine. Short Course for the American Statistical Association Nebraska Region, (Virtual), 2021
14. Gunzler D, Perzynski AT, Carle A. Structural Equation Modeling for Health and Medicine. Short Course for the American Statistical Association Central Arkansas Region (Virtual), 2021
15. Gunzler D, Perzynski AT, Carle A. Introduction to Structural Equation Modeling with Health-Related Outcome Measures. Short Course for the American Statistical Association Cincinnati Chapter (Virtual), 2021
16. Gunzler D, Perzynski AT, Carle A. Structural Equation Modeling for Health and Medicine. Short Course for the American Statistical Association Kentucky Chapter (Virtual), 2021
17. Gunzler D, Perzynski AT, Carle A. Structural Equation Modeling for Health and Medicine. Short Course for the American Statistical Association Northeastern Illinois Chapter (Virtual), 2021
18. Karim S. Benefits of Early Atrial Fibrillation Ablation. Keynote speaker for Heart Congress, London, England, April 14, 2021
19. Karim S. Benefits of Early Atrial Fibrillation Ablation in the Setting of Sick Sinus Syndrome. World Heart and Cardiothoracic Surgery Conference, Bangkok, Thailand, March 20, 2021
20. Karim S. Cardiac Implantable Device Extraction: Overview and Update. World Heart and Cardiothoracic Surgery Conference, Bangkok, Thailand, March 19, 2021
21. Karim S. Challenging lead extraction cases. CLIMB EP-Innovations in Pacing Sessions. Virtual educational session with meeting of multiple international electrophysiologists, September 2, 2021
22. Karim S. Challenging atrial fibrillation ablation case. CLIMB EP-Atrial fibrillation ablation. Virtual educational session with meeting of multiple international electrophysiologists, August 9, 2021
23. Sehgal A. Effects of Climate Change on Public Health. Debate in Science and Health Club. Cornell University, Ithaca, New York. Virtual symposium. April 20, 2021

## Invited Presentations – 2021 (Continued)

24. Sehgal A. A Framework to Understand the Health Impacts of Climate Change. Medical Grand Rounds. Department of Medicine, Southern Illinois University, Springfield, Illinois, September 28, 2021
25. Sehgal A. Healthcare, Teaching, and Research on Climate Change. Carbon Love & Learn Healthcare Segment. Interface, Atlanta, Georgia, October 6, 2021
26. Siff J, Papp J. Opioid Governance: Keeping your Eye on an Epidemic During a Pandemic. International Meeting--Epic, Madison, WI, August 24, 2021
27. Tarabichi Y. Surviving Sepsis with Help from an Early Warning System. Epic Annual User Group Meeting, Verona, WI, August 23, 2021
28. Tarabichi Y. The Cosmos Collaborative. Epic Annual User Group Meeting, Verona, WI, August 23, 2021

## Regional

1. Berg KA. Health Disparities and Social Determinants of Health. Invited presentation for Family Medicine Grand Rounds at University Hospital Cleveland Medical Center, Cleveland, OH (Virtual), November 10, 2021
2. Gaglioti, AH. Advancing Health Equity through Practice Based Research. Keynote Speaker, WPRN Annual Conference (Virtual), University of Washington, March 4, 2021
3. Huml A. Advancing Kidney Health Through Shared Best Practices: Focus on Kidney Transplant. Kidney Health Alliance of Kentucky (KHAKY) Renal Conference, September 14, 2021
4. Huml A. Building Partnerships to Share Best Practices: Ohio River Valley Kidney Transplant Coalition. Kidney Foundation of Ohio 46<sup>th</sup> Annual Renal Symposium, September 23, 2021
5. Joseph JJ, Perzynski AT. Advancing Equity in Diabetes Management: Delivering on our Values. Ohio Department of Medicaid Diabetes Quality Improvement Program Learning Session, 2021
6. Love TE. Stepped Wedge Designs in Practice: What, Why, When and How. Goldbag Research Seminar, Frances Payne Bolton School of Nursing, CWRU, November 8, 2021
7. Mintz L. Keynote: Transgender Job Fair, The MetroHealth System, 2021
8. Mintz, LJ. IDE June Panel Discussion, LGBT Health, The MetroHealth System, 2021
9. Mintz, LJ. Questions About the Covid Vaccine? Get Answers! LGBT Center of Cleveland, 2021

## Invited Presentations – 2021 (Continued)

10. Mintz, LJ. June Virtual Health Talk, The MetroHealth System, 2021
11. Mintz, LJ. Stigma, COPC, and SGM Persons. Practice Based Research Network, 2021
12. Mintz, LJ. Grand Rounds: OB-GYN, The Metrohealth System, 2021
13. Mintz, LJ. Grand Rounds: Internal Medicine-Pediatrics, The MetroHealth System, 2021
14. Mintz, LJ. We Are Repairing Harm (Or At Least Trying To): The Initial Evaluation of the Gender Diverse Patient. TransOhio Conference, 2021
15. Perzynski AT. Panelist, Cardiovascular Disease Health Disparities. Advocates for Cleveland Health (a CWRU student organization), 2021
16. Perzynski AT, Khare S, Johnson E. Toward Continuous Wearable Body Composition Measurement. Department of Physical Medicine & Rehabilitation Research Seminar, The MetroHealth System, 2021
17. Perzynski AT. Keynote speaker. 9<sup>th</sup> Annual Residents Scholarly Work Symposium. University Hospitals Cleveland Medical Center, 2021
18. Perzynski AT. Panelist, Cleveland Urgent Means Project Virtual Roundtable. Virtual Discussion (with Congressional Rep. Marcy Kaptur, OH-9) on the Impact of the COVID-19 Pandemic on Population Health in Cleveland and the Status of Legislation for Improving Social Determinants of Health, 2021
19. Perzynski AT, Tarabichi Y, Watts B, Collins T, Humbert L, Newman C, Nichols J, Russ K, Schach K & Jockers D. Adapting Clinical Research to the COVID-19 Pandemic: Insights from a Rapid Study of SARS-CoV-2 among First Responders. MetroHealth Population Health Research Institute Seminar Series, Cleveland, OH, 2021
20. Perzynski AT. Inequalities and Human Health from Molecules to Society. MetroHealth Graduate Medical Education System-Wide Educational Initiative, Cleveland, OH, 2021
21. Seeholzer E, Leon J. Preventing Diabetes Mostly Remotely: Effectively Pivoting the STRIDES Diabetes Prevention Program Serving Diverse Participants. Better Health Partnership Webinar: The Beat Goes On: Managing Cardiovascular Health During COVID, February 21, 2021
22. Seeholzer E. Lifestyle Treatments in Diabetes Key Drivers for HbA1c Control. Diabetes Quality Improve Program Action Call, Cardi-OH, March 12, 2021
23. Seeholzer E. Women in Medicine: EBM Nutrition for Middle-Age and Beyond. Ohio American College of Physicians Annual Meeting, Columbus, Ohio, October 28-29, 2021

## **Invited Presentations – 2021 (Continued)**

24. Sehgal A. The Climate Crisis: Addressing Impacts on Clinical Practice in the Great Lakes Region. Planning committee and breakout session facilitator, Virtual symposium, March 10, 2021
25. Siff J, Hagland M, Hess J, Sunshine J, Banchy P, Hammar R. Building the Best EMR Experience for Your Organization. Healthcare Innovations Summit – Midwest, Cleveland, Ohio, September 29, 2021
26. Siff J. Opioid and Pain Management Best Practices: Strategies for Success: Naloxone Co-prescribing intervention. IPRO QIN-QIO Series, Virtual, September 22, 2021
27. Tarabichi Y. The Impact of the Implementation of a Sepsis Early Warning System in the Emergency Department Setting: A Randomized Controlled Quality Initiative. Division of Clinical Informatics Grand Rounds. Soin Medical Center (Kettering Health), Beavercreek, OH, March 5, 2021
28. Tarabichi Y. An introduction to aggregate data platforms, self-service tools and research databases. Baldwin Wallace Clinician MPH Program, April 24, 2021
29. Tarabichi Y. The Impact of the Implementation of a Sepsis Early Warning System in the Emergency Department Setting: A Randomized Controlled Quality Initiative. Division of Clinical Informatics Grand Rounds, Ohio Hospital Association, Webcast, November 17, 2021
30. Tarabichi Y. Adapting Clinical Research to the COVID-19 Pandemic: Insights from a Rapid Study of SARS-CoV-2 among First Responders. The Population Health Research Institute, The MetroHealth System, Cleveland, OH, January 26, 2021

## **Conference Talks and Abstracts**

## Conference Talks and Abstracts

### National/International

1. Auriemma AC, Estes AM, Estes AN, Ducich NH, Moncaliano M, Chavan M, Lambrese J, MD, Mintz LJ. An Analysis of Current Knowledge, Attitudes, Practices and Beliefs of Undergraduate Medical Students. Med Student PRIDE Alliance, 2021
2. Bar-Shain DS. Physician Builder Spotlight: Eliminating Vaccine Care Gaps from the Storyboard. Epic Systems Corporation, Virtual webinar, March 19, 2021.  
*NOTE: The audience included 183 live attendees and remains available for streaming by Epic physician builders who are interested in implementing our custom efficiency tools. The speaker rating score of 9.67 was the highest ever recorded in one of these sessions.*
3. Bar-Shain DS. Closing Care Gaps with Storyboard and Combination Vaccines. Physician's Advisory Council: Expert Group Meeting, Epic Systems Corporation, Virtual webinar, May 2021 (CME)
4. Bar-Shain DS. 3-Minute Version with Q&A – Closing Care Gaps with Storyboard and Combination Vaccines. Epic Clinical Decision Support Monthly Forum, Virtual webinar, June 8, 2021
5. Bar-Shain DS. The Byron Oberst Address: Curating, Celebrating and Championing Your Failures. Council on Clinical Information Technology, American Academy of Pediatrics National Conference and Exhibition, Virtual webinar, October 10, 2021
6. Bar-Shain DS, Clay B, Manney S, Tevaarwerk A. Experiences with the Epic PAC Mentorship Program. Physician's Advisory Council: Expert Group Meeting, Epic Systems Corporation, Virtual webinar, May 3, 2021 (CME)
7. Bar-Shain DS, Greco PJ. Level of Service Calculator & NoteWriter: Good for Telehealth and Beyond. User Group Meeting, Epic Systems Corporation, Verona, WI, August 25, 2021 (CME)
8. Bar-Shain DS, Hoffman J, Lemkin D, Trudel J. MUMPS Isn't Just a Disease: Physician Programmers Explain Their Code. Physician's Advisory Council: Expert Group Meeting, Epic Systems Corporation, Virtual webinar, May 2021 (CME)
9. Bar-Shain DS, Tien M. Custom Childhood Immunization Metrics to Enhance Tracking and Outreach. Physician's Advisory Council: Expert Group Meeting, Epic Systems Corporation, Virtual webinar, May 2021 (CME)
10. Beverly EA, Koopman Gonzalez S, Dungan K, Wright Jr. JT, Rao G, Solomon G, Holliday M, Baughman K, Konstan MW, Bolen SD on Behalf of Cardi-OH. Identifying High Priority Clinical Topics via a Statewide Needs Assessment: The Cardi-OH

## Conference Talks and Abstracts – 2021 (Continued)

Collaborative. Poster presentation, Association of Diabetes Care and Education Specialists National Conference, August, 2021

11. Beverly EA, Dungan KM, Wright JT, Caron A, Clemons M, Renner SA, Gawlik K, Sajatovic M, Rao G, Solomon G, Holliday M, Lewis J, Nevar A, Swiatkowski S, Konstan M, Bolen S. 854-P: A Statewide Needs Assessment to Inform Best Practices for the Ohio Cardiovascular and Diabetes Health Collaborative (Cardi-OH). *Diabetes*. 2021;70. 854-P. 10.2337/db21-854-P.
12. Bethea B, Gaglioti AH, Holliday R, Carmichael B, Badillo L, Akintobi T, Carmichael B, Badillo L, Mack D. Engaging a Strategic Network of Partners for Coordinated COVID-19 Communications & Dissemination. American Public Health Association Annual Meeting & Expo, Denver, CO, Virtual, October 24 -27, 2021
13. Briggs FBS, Trapl ES, Conway DS, Gunzler DD. Characterizing Socioeconomic, Lifestyle, and Comorbidity Mediators of Racial Disparities in Ambulatory Impairments in Multiple Sclerosis. 2021 Annual Meeting of the Consortium of Multiple Sclerosis Centers, Orlando, FL, October 2021
14. Briggs F, Conway D, De Nadai A, Ontaneda D, Gunzler D. Identifying Distinct Clusters of Relapsing Remitting Multiple Sclerosis Patients Using Unsupervised Machine Learning. Poster session. American Academy of Neurology Annual Virtual Conference, April 2021
15. Dalton J, Perzynski A, Dawson N, Imrey P, Einstadter D, Taksler G, Lewis M, Tarabichi Y, Krieger N, Gunzler D. Symptom Profiles of Patients Referred for Sars-Cov-2 Testing and Their Relationships with Clinical Outcomes. 42nd Annual Meeting of the Society for Medical Decision Making, 2021
16. Dalton JE, Pfoh ER, Berg KA, Gunzler DD, Mourany L, Krieger N, Kahana E, Perzynski AT. Neighborhood Deprivation and Incident Alzheimer's Disease: A Regional Cohort Study of Electronic Medical Records. Abstract presented at the Gerontological Society of America's 73rd Annual Scientific Meeting (GSA) (Virtual), November 2021.
17. Douglas M, Respress E, Gaglioti AH, Li C, Blount MA, Hopkins J, Baltrus B, Willock RJ, Caplan L, Dawes DE, Mack D. State-Level Variation in Race and Ethnicity Reporting for COVID-19 Cases and Deaths, April 12, 2020 and November 9, 2020. American Public Health Association Annual Meeting & Expo, Denver, CO, Virtual, October 24 -27, 2021
18. Gaglioti AH, Li C, Douglas M, Baltrus P, Blount MA, Zahidi R, Caplan L, Willock RJ, Fasuyi O, Mack D. An Indirect Measure of Population Level Disparities in COVID-19: Measuring the Independent Association of Proportion Black Population on COVID-19 Cases and Deaths Using Ecologic Analysis. American Public Health Association Annual Meeting & Expo, Denver, CO, Virtual, October 24 -27, 2021
19. Gaglioti AH, Baltrus P, Li C, Douglas M, Caplan L, Willock RJ, Zahidi R, Mack D. Different Racial and Socioeconomic Profiles Correlate with Covid-19 Case and Death Rates in Metro-Atlanta Census Tracts. American Public Health Association Annual Meeting & Expo, Denver, CO, Virtual, October 24 -27, 2021

## Conference Talks and Abstracts – 2021 (Continued)

20. Gaglioti AH, Feng H, Sasikumar S, Nowacki W, Baltrus P, Li C, Zahidi R, Gillis E, Mack D. National COVID-19 Resiliency Network: Leveraging an Academic-corporate Collaboration to Build an Equity-focused Longitudinal Data Platform. American Public Health Association Annual Meeting & Expo, Denver, CO, Virtual, October 24 - 27, 2021
21. Gaglioti AH, Blount M, Walston D, Mack D. Engaging Patients as Partners to Inform a Patient-Centered Research Response to the COVID-19 Pandemic. North American Primary Care Research Group Practice Based Research Network Virtual Conference, June 24, 2021
22. Greco PJ. Using Reporting Workbench for Immunization Registry Queries and Auto-reconciliation. Epic Systems Corporation Expert Group Meeting, Verona WI, audio recorded, April 14, 2021
23. Gunzler D. Adjusting a Patient Reported Scale for Overlapping Symptoms of Co-occurring Conditions. Contributed Speed Session, Latent Variables, Machine Learning, Causal Inference and Other Topics in Mental Health Statistics, Mental Health Statistics Section, Joint Statistical Meetings, Virtual Platform. August 2021
24. Hossain R, Riley N, Tarabichi Y, Emerman C, Siff H. Non-interruptive Clinical Decision Support Improves Ordering of Inhaled Corticosteroids for Asthma Exacerbations Discharged from Emergency Department. American College of Emergency Physicians Research Forum, Virtual, 2021
25. Huml A. A Cardiac Magnetic Resonance Study with Native T1 Mapping in Patients Listed for a Kidney Transplant. American Society of Nephrology Kidney Week, Virtual Conference, 2021
26. Huml A. A Case of Abrupt Anuria from Bilateral Kinked Ureters. American Society of Nephrology Kidney Week, Virtual Conference, 2021
27. Huml A. Characteristics of Potential and Actual Living Kidney Donors: A Single Center Experience. American Society of Nephrology Kidney Week, Virtual Conference, 2021
28. Josan E, Kourouni I, Finley J, Dutton K, Suguness A, Tarabichi Y. A Novel Rapid Outpatient Diagnostic Program Improves Access to Care for Minorities Referred for the Management of Lung Masses or Nodules. American Thoracic Society Annual Meeting, 2021
29. Khaira P, Gardner-Buckshaw S, Perzynski A. Primary Care Implementation of MAT for Opioid Use Disorder in Northeast Ohio. Family Medicine Education Conference, Pittsburgh, PA, 2021
30. Li C, Douglas M, Zahidi R, Willock RJ, Caplan L, Baltrus P, Gillis E, Mack D, Gaglioti AH. Racial and Ethnic Disparities in H1N1 Vaccine Uptake in Medicaid and Lessons Learned for a COVID-19 Vaccine Rollout. American Public Health Association Annual Meeting & Expo, Denver, CO, Virtual, October 24 -27, 2021

## Conference Talks and Abstracts – 2021 (Continued)

31. Love TE. Propensity Match: Methods and Diagnostics. Discussant for Topic Contributed Session at the Joint Statistical Meetings, August 2021
32. Mintz L, Moore SE, Gillani B, Douglas E. Moving Beyond the Community advisory Panel- Expanding Community Engagement in Health Services and Translational Research. The United States Professional Association for Transgender Health (USPATH) 2021 Scientific Symposium, 2021
33. Moore SE, Gillani B, Prince D, Perzynski A, Dalton J, Altinay M, Berg K, Einstadter D, del Rincon J, Weleff J, Douglas E, Mintz L. Moving Beyond the Community Advisory Panel—Expanding Community Engagement in Health Services and Translational Research Methods. Mini-Symposium, United States Professional Association for Transgender Health (USPATH) 2021 Scientific Symposium, 2021
34. Ruff JM, Berg KA, Gunzler DD, Dalton JE, Perzynski AT. A Population Disconnected from Health: Broadband Access, Neighborhood Disadvantage, Prevention and Disease. Abstract presented at the American Medical Informatics Association Annual Meeting (AMIA) (Virtual), May 2021
35. Seeholzer E, Leon J, Ramesh H, Thomas C, Lawless ME, Martin S, Jenko S, Gonzalez A. Weight Loss Intervention Results of Web-Based Cohort in Pandemic Compared to Prior In-person Cohorts. Poster for presentation at Obesity Week by the Obesity Society. Virtual Conference, November, 2021
36. Ramesh H, Leon J, Thomas C, Lawless ME, Martin S, Jenko S, Seeholzer S. Convenience and Connection - What Web-based Participants Want/Get from Group Lifestyle Intervention. Poster for Late-Breaking Review for presentation at Obesity Week for The Obesity Society Obesity Week Meeting, Virtual Conference, November 2021
37. Tarabichi Y, Cheng A, Bar-Shain D, McCrate B, Lewis R, Emerman C, Siff J, Wang C, Kaelber DC, Watts B, Hecker MT. The Impact of the Implementation of a Sepsis Early Warning System in the Emergency Department Setting: A Randomized Controlled Quality Improvement Initiative. American Medical Informatics Association Clinical Informatics Conference, Virtual, Oral abstract, May 18, 2021

## Regional

1. Bolen SD, Bier J, Chagin K. MetroHealth Food as Medicine Clinic: Early Findings. Population Health Research Seminar Series, The MetroHealth System, Cleveland, OH, Virtual, December 2021
2. Seeholzer E, Leon JB. Preventing Diabetes Mostly Remotely: Effectively Pivoting the STRIDES Diabetes Prevention Program Serving Diverse Participants. Presented at The Beat Goes On: Managing Cardiovascular Health During COVID. Better Health Partnership, Cleveland, OH, Virtual, February 2021

### **Conference Talks and Abstracts – 2021 *(Continued)***

3. Karim S. Identification and Management of Tachyarrhythmias and Bradyarrhythmias. MetroHealth Medical Center Critical Care Grand Rounds, Cleveland, OH, September 24, 2021
  
4. Karim S. Evolution of Discussions Regarding Atrial Fibrillation Ablation. MetroHealth Medical Center Cardiology Grand Rounds, February 24, 2021

## **Honors, Patents, Awards, Milestones, and Promotions**

## Honors, Awards, Milestones, and Promotions in 2021

### **Bar-Shain, D**

- Fellow of the American Informatics Association. Applied Informatics Recognition Program, 2021
- The Byron Oberst Award. American Academy of Pediatrics, 2021

### **Berg, K**

- Research Scientist, MetroHealth Medical Center, 2021

### **Gaglioti, A**

- Charles C. Shepard Science Award Nomination, Centers for Disease Control and Prevention, nominated for excellence in Data Methods, October, 2021.

### **Greco, P**

- Promoted to Professor, School of Medicine, Case Western Reserve University

### **Gunzler, D**

- Awarded the best platform in MS research for invited talk (one award per conference). Briggs FBS, Trapl ES, Conway DS, Gunzler DD. Characterizing Socioeconomic, Lifestyle, and Comorbidity Mediators of Racial Disparities in Ambulatory Impairments in Multiple Sclerosis. 2021 Annual Meeting of the Consortium of Multiple Sclerosis Centers, Orlando, FL. October 2021.

### **Huml, A**

- Promoted to Assistant Professor, School of Medicine, Case Western Reserve University, Department of Medicine, 2021-pres.

### **Karim, S**

- Accepted into CLIMB, a very competitive international program for female cardiologists that helps develop presentation skills, networking, and leadership opportunities nationally and internationally under the past president of the Heart Rhythm Society, 2021
- Top Doctor for Cleveland Magazine, 2021

### **Mintz, L**

- City of Cleveland LGBT Heritage Day Award for Health and Wellness, 2021

### **Riley, N**

- Fellow, American Medical Informatics Association, 2021-pres.

## **Research Trainees**

**POPULATION HEALTH RESEARCH INSTITUTE**  
**RESEARCH TRAINEES – 2021**

<b>Trainee</b>	<b>Degree Sought</b>	<b>Training Period</b>	<b>Thesis/Dissertation/Project Title</b>	<b>Current Position/Institution &amp; Funding Source</b>	<b>Role in Training</b>
<b>Bar-Shain, David</b>					
Rubayet Hossain, MD	Certificate in Clinical Informatics	2020-Pres.	Fellowship in Clinical Informatics	Clinical Informatics Fellow, The MetroHealth System	Assistant Program Director
Eric Kim, MD	Certificate in Clinical Informatics	2021-Pres.	Fellowship in Clinical Informatics	Clinical Informatics Fellow, The MetroHealth System	Assistant Program Director
Devereaux Sellers, MD	Certificate in Clinical Informatics	2021-Pres.	Fellowship in Clinical Informatics	Clinical Informatics Fellow, The MetroHealth System	Assistant Program Director
Fang Zhao, MD	Certificate in Clinical Informatics	2020-Pres.	Fellowship in Clinical Informatics	Clinical Informatics Fellow, The MetroHealth System	Assistant Program Director
<b>Bolen, Shari</b>					
† David Hu	MD	2020-Pres.	Food as Medicine Clinic Evaluation	Medical Student, Case Western Reserve University	Research Mentor
† Anna Cherian, RD, LD	MD	2020-Pres.	Food as Medicine Clinic Evaluation	Medical Student, NEOMED	Research Mentor
Saima Karim, MD	N/A	2021-Pres.	Disparities in Identification and Management of A. Fib.	Cardiologist, The MetroHealth System	Career Mentor
Kirsten Eom, PhD	N/A	2021-Pres.	Population Health Focused Cancer Research	Postdoc fellow; Case Western Reserve University	Career Mentor
† Rachel Waitzman, RN	MD	2021-Pres.	Clinic to Community Linkages for Health-related Social Needs	Medical Student, Case Western Reserve University	Research Mentor

\* KL2 Scholar    † Medical Student    †† CRSP Scholar

Trainee	Degree Sought	Training Period	Thesis/Dissertation/Project Title	Current Position/Institution & Funding Source	Role in Training
<b>Caron, Aleece</b>					
Matthew Baltes, MD	NA	2018-Pres.	Improving Rates of Flu Vaccines in a Primary Care Population	Family Medicine; PCTE HRSA Grant, The MetroHealth System	Faculty Mentor
Jayne Barr, MD	NA	2020-Pres.	Development of Primary Care Track for Underserved Populations	Internal Medicine, The MetroHealth System	Faculty Mentor
Francesca Russo	NA	2020-Pres.	Telehealth Adoption: Challenges and Opportunities from the Lens of Academic Primary Care	Physician Assistant Student, Case Western Reserve University	Faculty Mentor
Sonya Dhanvanthari, MD	NA	2021-Pres.	Addressing Obesity Stigma among Primary Care Providers	Obesity Medicine Fellow, The MetroHealth System	Faculty Mentor
Raman Krimpuri, MD, MPH	NA	2021-Pres.	Addressing Obesity Stigma among Primary Care Providers	Addiction Medicine Fellow, The MetroHealth System	Faculty Mentor
Nancy Li, MD	NA	2020-Pres.	Improving Cervical Cancer Screening for Refugees	Neighborhood Family Practice; PCTE Champions HRSA Grant	Faculty Mentor
Emma Pronovost	NA	2020-Pres.	Improving Rates of Flu Vaccines in a Primary Care Population	Undergraduate Student, Tulane University	Faculty Mentor
Shivani Joshi, MD	NA	2020-Pres.	Improving Oral Health Screenings in a Pediatric Hispanic Patient Population	Pediatrics; Care Alliance, PCTE Champions HRSA Grant	Faculty Mentor
Ashley Shay, BA	MS	2021-Pres.	Flora Stone Mather Mentoring Program	Masters in Genetics, Case Western Reserve University	Faculty Mentor
Rami Tarabay, MD	NA	2020-Pres.	Attitude of Older Adults Toward Getting the Seasonal Flu Vaccine and the Novel COVID-19 Vaccine During the 2020-2021 COVID-19 Pandemic: A Cross-Sectional Study	Hospice and Palliative Care Fellow, NCH Health Care System	Faculty Mentor
<b>Einstadter, Douglas</b>					
Mark Dunlap, MD	MPH	2019–2021	Improving the Care of Patients with CHF	Physician, The MetroHealth System	Member, Thesis Committee
†† Caroline El Sanadi	PhD	2018-2021	Modeling the Best 2 <sup>nd</sup> line Therapy for Persons with Type-2 Diabetes	Clinical Research Scholars Program, Case Western Reserve University	Chair, PhD Committee

\* KL2 Scholar    † Medical Student    †† CRSP Scholar

Trainee	Degree Sought	Training Period	Thesis/Dissertation/Project Title	Current Position/Institution & Funding Source	Role in Training
Jack McDonnell, MD	MS	2019-Pres.	Role of Social Determinants in Ohio's Infant Mortality Problem	Fellow, Allergy and Immunology, CCF	Faculty Advisor
<b>Greco, Peter</b>					
Rubayet Hossain, MD	Certificate in Clinical Informatics	2020-Pres.	Radiology Ordering Decision Support	Clinical Informatics Fellow, The MetroHealth System	Assistant Program Director for Fellowship in Clinical Informatics and Research Mentor
Fang Zhao, MD, PhD	Certificate in Clinical Informatics	2020-Pres.	Fellowship in Clinical Informatics	Clinical Informatics Fellow, The MetroHealth System	Assistant Program Director for Fellowship in Clinical Informatics
Jessica Ruff, MD	Certificate in Clinical Informatics	2019-2021	Fellowship in Clinical Informatics	Clinical Informatics Fellow, The MetroHealth System	Assistant Program Director for Fellowship in Clinical Informatics; Faculty Mentor
Eric Kim, MD, PhD	Certificate in Clinical Informatics	2021-Pres.	Fellowship in Clinical Informatics	Clinical Informatics Fellow, The MetroHealth System	Assistant Program Director for Fellowship in Clinical Informatics; Faculty Mentor
Devereaux Sellers MD	Certificate in Clinical Informatics	2021-Pres.	Fellowship in Clinical Informatics	Clinical Informatics Fellow, The MetroHealth System	Assistant Program Director for Fellowship in Clinical Informatics
<b>Gunzler, Douglas</b>					
Alessandro de Nadai, PhD	N/A	2019-Pres.	Developing New Measures for Assessing Mixture Models	Assistant Professor, Department of Psychology, Texas State University	Research Mentor
Elna Misicka	PhD	2019-Pres.	Establishing the Causal Relationships Between Cardiometabolic Factors on Multiple Sclerosis Risk, Presentation, and Progression	PhD Student, Department of Population and Quantitative Health Sciences, Case Western Reserve University	Dissertation Committee Member
Kakul Joshi, MPH	PhD	2020-Pres.	Food Banking During COVID-19: Understanding Food Sourcing, Quality and Factors Influencing Healthier Food Inventory	PhD Student, Department of Population and Quantitative Health Sciences, Case Western Reserve University	Dissertation Committee Member
†† Abhishek Bhardwaj, MD, FACP	MS	2020-Pres.	Unknown	Master's in Clinical Research Program student, CRSP Program, Case Western Reserve University	Research Mentor

\* KL2 Scholar    † Medical Student    †† CRSP Scholar

<b>Trainee</b>	<b>Degree Sought</b>	<b>Training Period</b>	<b>Thesis/Dissertation/Project Title</b>	<b>Current Position/Institution &amp; Funding Source</b>	<b>Role in Training</b>
†† Ryan Nazemian, MD	PhD	2021-Pres.	Monitoring Nitric Oxide Bioactivity, Tissue Oxygenation and Blood Flow in Neurologically-Deceased (DNC) Organ Donors	PhD Student, Clinical Translational Science, CRSP Program, Case Western Reserve University	Dissertation Committee Chairperson
Kyaw Hla, MD	MS	2021-Pres.	Unknown	Master's in Clinical Research Program student, CRSP Program, Case Western Reserve University	Faculty Advisor
<b>Huml, Anne</b>					
Tyrone Hamler, MSW, LSW	PhD	2019-Pres.	Decisional Conflict Among Older African-Americans with Advanced CKD	Doctoral Candidate in Social Welfare, Adjunct Instructor, CWRU Mandel School of Applied Social Sciences	Research Advisor, Dissertation Committee Member
Liza Cholin, MD	N/A	2020-Pres	The Impact of Novel Social Factors on Living Kidney Donation	Nephrology Research Fellow/Cleveland Clinic Glickman Urological and Kidney Institute, CWRU Nephrology Training Grant T32DK007470 (ended 6/2021)	Primary Mentor
Jordana Yahr, DO	N/A	2021-Pres	HyFi Kidney: Halting Myocardial Fibrosis With Kidney Transplant	Internal Medicine Resident, Cleveland Clinic, Funding source: Northeast Ohio Renal Research Innovation Award (Centers for Dialysis Care)	Co-Mentor
<b>Kaelber, David</b>					
Jessica Ruff, MD	Certificate in Clinical Informatics	2019-2021	Fellowship in Clinical Informatics	Clinical Informatics Fellow, The MetroHealth System	Program Director and Research Mentor
Fang Zhao, MD, PhD	Certificate in Clinical Informatics	2020-Pres.	Fellowship in Clinical Informatics	Clinical Informatics Fellow, The MetroHealth System	Program Director and Research Mentor
Ruba Hossain, MD	Certificate in Clinical Informatics	2020-Pres.	Fellowship in Clinical Informatics	Clinical Informatics Fellow, The MetroHealth System	Program Director and Research Mentor
Eric Kim, MD, PhD	Certificate in Clinical Informatics	2021-Pres.	Fellowship in Clinical Informatics	Clinical Informatics Fellow, The MetroHealth System	Program Director and Research Mentor

\* KL2 Scholar    † Medical Student    †† CRSP Scholar

Trainee	Degree Sought	Training Period	Thesis/Dissertation/Project Title	Current Position/Institution & Funding Source	Role in Training
Devereaux Sellers, MD, MBA	Certificate in Clinical Informatics	2021-Pres.	Fellowship in Clinical Informatics	Clinical Informatics Fellow, The MetroHealth System	Program Director and Research Mentor
Dipak Upadhyaya	PhD in Biomedical and Health Informatics	2021-Pres.	EHR Data Modeling Predictions	CWRU BHI PhD Student	Research Mentor
† Jane Hinckle	MD	2020-Pres.	Using Big Data for Discover	CWRU Medical School Student	Research/Thesis Mentor
<b>Kelly, Michael L.</b>					
† Samuel Stanley	MD	2018-2022	Regional and National Discharge Patterns in Patients with TBI and SCI	Case Western Reserve University Medical School Student	Research Advisor
† Evelyn Truong	MD	2018-2022	ICP Monitoring Rate Variation in Severe TBI Across the United States	Case Western Reserve University Medical School Student	Research Advisor
† Belinda DeMario	MD	2018-2022	Withdrawal of Care Practices in Severe TBI Across the United States	Case Western Reserve University Medical School Student	Research Advisor
Berje Shammassian, MD	N/A	2013-2021	Applications of ROTEM and TEG in TBI	UH Neurosurgery Chief Resident	Research Advisor
<b>Love, Thomas</b>					
Roberto Martinez, MS	PhD	2019-2021	Implementation Science and the FreshLink Ambassador Program	Department of Population and Quantitative Health Sciences, Case Western Reserve University	Dissertation Committee Member
†† Ebtesham Alshehri, MD	MS	2017-2021	The Impact of Cigarette Smoking on Cognition and Brain Atrophy in Multiple Sclerosis	Clinical Research Scholars MS Program (CRSP) Scholar	MS Thesis Committee Member
Jack McDonnell, MD	MS	2017-Pres.	To be determined	Cleveland Clinic Physician, MS Student with concentration in Health Care Analytics, Department of Population and Quantitative Health Sciences, CWRU	Faculty Advisor
<b>Mintz, Laura</b>					
Alyson Auriemma	MD	2019–Pres.	LGBT Medical School Inclusion Project and Medical School Implicit Bias Survey	Case Western Reserve University School of Medicine	Research Mentor

\* KL2 Scholar    † Medical Student    †† CRSP Scholar

Trainee	Degree Sought	Training Period	Thesis/Dissertation/Project Title	Current Position/Institution & Funding Source	Role in Training
Guangjin Zhou	PhD	2019–Pres.	HIV and Cancer Disparities	Case Western Reserve University School of Medicine	Dissertation Committee Member
Nicole Ducich	MD	2019–Pres.	LGBT Medical Education Inclusion Project	Case Western Reserve University School of Medicine	Research Mentor
Amber Estes	MD	2019–Pres.	LGBT Medical Education Inclusion Project	Case Western Reserve University School of Medicine	Research Mentor
Lorado Mhonda	MD	2021-Pres.	LGBTQ+ Education in Emergency Medicine	Case Western Reserve University School of Medicine	Research Mentor
Erin Walsh	PGY3	2020-Pres.	Leadership in Medicine	The MetroHealth System	Mentor
<b>Perzynski, Adam</b>					
Ann Huml, MD	N/A	2011-Pres.	Kidney Transplantation Health Disparities	Nephrologist, University Hospitals, Researcher, The MetroHealth System	Research Mentor
Anita Misra-Hebert, MD	N/A	2014-Pres.	Primary Care Team Transformation	General Internist, Cleveland Clinic	Research Mentor
Bode Adebambo, MD	N/A	2012-Pres.	Health Disparities Education and Research	Attending Physician in a Faculty Development Program at The MetroHealth System	Career and Research Mentor
Mia Wang	MPH	2020-Pres	Social Needs Screening in a Women's Health Clinic	MPH Student, Case Western Reserve University	Research Mentor/Capstone Committee
Minzhi Ye	PhD	2020-Pres	The long-term effect of cancer on the health among elderly cancer survivors	PHD Student, Case Western Reserve University Sociology	Research Mentor/Dissertation Committee
Abolade Oladimeji	PhD	2019-Pres.	Neighborhood Influences on Sleep Quality	PHD Student, Case Western Reserve University Sociology	Research Mentor/Dissertation Committee
Amina Egwiekhor	MPH	2020-Pres	Education of Long-Term Care and Skilled Providers on COVID-19 Care and Prevention	MPH Student, Case Western Reserve University	Research Mentor/Capstone Committee
† Kaelynn Workman	MPH	2020-Pres	Education of Long-Term Care and Skilled Providers on COVID-19 Care and Prevention	MPH Student, Case Western Reserve University	Research Mentor/Capstone Committee
† Amelia Clarke	MD	2020-Pres	Evaluation of a Structural Competency Educational Intervention for Medical Students	Medical Student, Case Western Reserve University	Research Mentor

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Trainee	Degree Sought	Training Period	Thesis/Dissertation/Project Title	Current Position/Institution & Funding Source	Role in Training
Jill Miracle, MD	Post-grad	2021-Pres.	HIV Prevention	Population Health Research Institute Research Fellow, The MetroHealth System	Research Mentor
† Saloni Lad	MD	2021-Pres.	Social Determinants of Health among Transgender Patients	Medical Student, Case Western Reserve University	Research Mentor
Andrew Olsen, MD	N/A	2021-Pres.	Validation of a Wrist Worn Hydration Monitoring System	Resident, PM&R, The MetroHealth System	Research Mentor
Colleen Kniely	BS	2021-Pres.	Hydration Measurement in Dialysis	Student, University of Dayton	Research Mentor
Kirsten Eom, PhD	N/A	2021-Pres.	Cervical Cancer Screening in Underserved Populations	Postdoctoral Fellow, The MetroHealth System	Research Mentor
Wyatt Bensken	PhD	2019-Pres.	Chronic Conditions Among the Homeless	PhD Student, Case Western Reserve University, Department of Population and Quantitative Health Sciences	Research Mentor
<b>Riley, Nicholas</b>					
Jessica Ruff, MD, MA, MSPH	Certificate in Clinical Informatics	2019-2021	Video Visit Uptake and Satisfaction in an Urban Academic Medical Center	Clinical Informatics Fellow, The MetroHealth System	Research Advisor and Assistant Program Director for Fellowship in Clinical Informatics
Fang Zhao, MD, PhD	Certificate in Clinical Informatics	2020-Pres.	To be determined	Clinical Informatics Fellow, The MetroHealth System	Research Advisor and Assistant Program Director for Fellowship in Clinical Informatics
Rubayet Hossain, MD	Certificate in Clinical Informatics	2020-Pres.	To be determined	Clinical Informatics Fellow, The MetroHealth System	Research Advisor and Assistant Program Director for Fellowship in Clinical Informatics
Eric Kim, MD, PhD	Certificate in Clinical Informatics	2021-Pres.	To be determined	Clinical Informatics Fellow, The MetroHealth System	Research Advisor and Assistant Program Director for Fellowship in Clinical Informatics
Devereaux Sellers, MD, MBA	Certificate in Clinical Informatics	2021-Pres.	To be determined	Clinical Informatics Fellow, The MetroHealth System	Research Advisor and Assistant Program Director for Fellowship in Clinical Informatics

\* KL2 Scholar    † Medical Student    †† CRSP Scholar

Trainee	Degree Sought	Training Period	Thesis/Dissertation/Project Title	Current Position/Institution & Funding Source	Role in Training
<b>Roach, Mary Jo</b>					
Colin Kammeraad, MD	N/A	2021-Pres	The Effect of the Football Tackle Rule on Injuries	PM&R Resident, MetroHealth System	Research Advisor
<b>Seeholzer, Eileen</b>					
Laura Shefner, MD	NA	2019-2021	System Intervention to Improve Communication About BMI-Z Score to Family and to Assess Family Interest and Goals for Improving Healthy Behaviors in Children	Pediatrics; PCTE HRSA Grant	Faculty Mentor
Shivani Joshi, MD	NA	2021-2022	Nutrition Counseling and Assessing Readiness to Change in Pediatric Patients with Elevated BMI's in an Urban Federally Qualified Health Center	Care Alliance; Champions HRSA Grant	Faculty Mentor
Jayne Barr, MD	NA	2021-2022	Development and Launch of Primary Care Internal Medicine Residency Program	Internal Medicine, Champions HRSA Grant	Faculty Mentor
Harrine Ramesh	MD	2020-2023	STRIDES Program Outcomes and Participant Satisfaction. Intensive Behavioral Lifestyle Intervention	Case Western Reserve University School of Medicine	Faculty Mentor
Amber Olson	MD	2021-Pres.	Incorporating and Addressing Obesity Medicine Content, Issues, and Ethics across the Medical School Curriculum	Case Western Reserve University School of Medicine	Faculty Mentor
Katherine Lyons, MD	N/A	2019-Pres.	Development and Launch of Obesity Medicine Fellowship	Internal Medicine MetroHealth, PCTE HRSA Grant	Faculty Mentor
Meredith Pressnell, RN, APRN	ND	2020-Pres.	The Effect of Continuity of Obesity Medicine Care on Post-Bariatric Surgical Weight Loss	Internal Medicine, The MetroHealth System; University of Akron ND candidate	Faculty Mentor
Raman Kimpuri, MD	N/A	2021-2022	Can a Social Media Initiative for Primary Providers Reduce Bias about Persons with Obesity?	Addiction Medicine Fellowship, Champions HRSA Grant	Faculty Project and Clinical Mentor
Sonya Dhanvanthari, MD	N/A	2021-2022	Can a Social Media Initiative for Primary Providers Reduce Bias about Persons with Obesity?	Obesity Medicine Fellowship, Champions HRSA Grant	Faculty Project and Clinical Mentor

\* KL2 Scholar    † Medical Student    †† CRSP Scholar

Trainee	Degree Sought	Training Period	Thesis/Dissertation/Project Title	Current Position/Institution & Funding Source	Role in Training
<b>Siff, Jonathan</b>					
Rubayet Hossain, MD	Certificate in Clinical Informatics	2020-Pres.	Fellowship in Clinical Informatics	Clinical Informatics Fellow, The MetroHealth System	Assistant Program Director for Fellowship in Clinical Informatics
Fang Zhao, MD	Certificate in Clinical Informatics	2020-Pres.	Fellowship in Clinical Informatics	Clinical Informatics Fellow, The MetroHealth System	Assistant Program Director for Fellowship in Clinical Informatics
Devereaux Sellers, MD, MBA	Certificate in Clinical Informatics	2021-Pres.	Fellowship in Clinical Informatics	Clinical Informatics Fellow, The MetroHealth System	Assistant Program Director for Fellowship in Clinical Informatics
Eric Reed	Residency in EM	2018-Pres.	Opioid Peer Support Program Impact in Emergency Department	Emergency Medicine Resident, CWRU	Faculty Co-mentor
<b>Tarabichi, Yasir</b>					
† Christine Wang	N/A	2019-2021	COPD Misdiagnosis Interventions, and Data Aggregation Strategies for COVID-19 Research Collaborations at the National (Society of Critical Care Medicine / Mayo Clinic) and Regional Levels	Case Western Reserve University Medical Student	Research Mentor
Enambir Josan, MD	N/A	2020-2021	A study of the Impact of a Proactive Lung Cancer Referral Management System on Disparities in Time to Evaluation and Treatment	Fellow in Pulmonary and Critical Care Medicine	Research Mentor
Robayat Hossein, MD	N/A	2020-2021	Advanced Data Analytics and Forecasting, Studying the Value of Novel Biomarkers in the Prediction of Poor Outcomes in Patients with COVID-19	Fellow in Clinical Informatics, The MetroHealth System	Research Mentor
Jessica Ruff, MD	N/A	2020-2021	Studying differences in Telehealth Acceptability Rates Along Socioeconomic Strata	Fellow in Clinical Informatics, The MetroHealth System	Research Mentor
Reem Alkilany, MD	N/A	2020-2021	Study on impact of telehealth on clinic show rates during COVID-19	Fellow in Rheumatology, The MetroHealth System	Research Mentor

\* KL2 Scholar    † Medical Student    †† CRSP Scholar

Trainee	Degree Sought	Training Period	Thesis/Dissertation/Project Title	Current Position/Institution & Funding Source	Role in Training
Bredon Crawford, MD	N/A	2020-2021	Studying a Machine Learning Approach to Interpretation of Pulmonary Function Testing	Internal Medicine, The MetroHealth System	Research Mentor
Dhatri Kotekal, MD	N/A	2020-2021	Studying the Validity of Automated Extracts for the Society of Critical Care Medicine's International COVID-19 Registry	Internal Medicine, The MetroHealth System	Research Mentor
Gurinder Kumar, MD	N/A	2020-2021	Studying Gun-shot Wound Outcomes Along Socioeconomic Strata	Pediatrics, The MetroHealth System	Research Mentor
Charles Ebersbacher, MD	N/A	2021-Pres.	Studying the Prognostic Value of Novel Biomarkers (Monocyte Distribution Width) in Patients with Diabetic Ketoacidosis	Internal Medicine, The MetroHealth System	Research Mentor
Asthen Gibson, MD	N/A	2021-Pres.	Studying the Ability of Novel Cell Markers (Monocyte Distribution Width) to Identify Bacterial Infection in Patients with Diabetic Ketoacidosis	Internal Medicine, The MetroHealth System	Research Mentor
<b>Thornton, J. Daryl</b>					
Logan Harper, MD, MSc	N/A	2018-2021	Barriers to Care Among Patients with Sarcoidosis	Respiratory Institute, CCF	Research Mentor
Katherin Slain	N/A	2019-2021	Impacts of Social Determinants of Health on Pediatric Critical Illness	Pediatric Critical Care, UH Rainbow Babies & Children's Hospital	Research Mentor

\* KL2 Scholar    † Medical Student    †† CRSP Scholar

## **Courses and Lectures Delivered**

## Courses, Course Lectures, and Workshops Delivered – 2021

<b>A. CWRU School of Medicine</b>	<b>PHRI Course Director or Lead</b>	<b>Other PHRI Lecturers</b>
Block One: Becoming a Doctor	D. Einstadter	
Block Three: Food to Fuel		E. Seeholzer
Evidence Based Medicine – Physician Assistant Program	D. Einstadter	
MPHP 482: Qualitative and Mixed Methods in Public Health	A. Perzynski K. Berg	
MPHP 441: Climate Change and Health	A. Sehgal	K. Berg A. Huml
<b>B. CWRU School of Graduate Studies</b>		
CRSP 401: Introduction to Clinical Research	D. Einstadter	D. Gunzler D. Kaelber S. Lewis A. Perzynski
CRSP 406: Introduction to R Programming	S. Lewis	
CRSP 413: Communication in Clinical Research		T. Love
PQHS 431 / CRSP 431: Statistical Methods, I	T. Love	
PQHS 432 / CRSP 432: Statistical Methods, II	T. Love	
PQHS 440: Introduction to Population Health		K. Berg
PQHS 500 / CRSP 500: Observational Studies	T. Love	
<b>C. CWRU College of Arts &amp; Sciences</b>		
USSO286I: Society through Online Video	A. Perzynski	
<b>D. Cleveland Clinic Lerner College of Medicine</b>		
Advanced Research in Medicine		A. Huml
<b>E. Other External Courses, Course Lectures and Workshops Delivered:</b> (Please list title of course or workshop, location delivered such as a national conference, and course lead)		

An Introduction to Structural Equation Modeling for Medical Decision Making Research. The 43rd Annual Meeting of the Society for Medical Decision Making, Virtual Meeting (Virtual), September 28, 2021

K. Berg  
D. Gunzler  
A. Perzynski

Introduction to Structural Equation Modeling with Health-related Outcome Measures. American Statistical Association Council of Chapters Traveling Course. Series of seven short courses presented to local ASA chapters. May-November 2021

D. Gunzler  
A. Perzynski

## **Select Internally Funded Collaborative Projects**

## Select Internally Funded Collaborative Projects in 2021

Name of Project/Activity	Brief Description of Project/Activity	How this Contributes to PHRI Vision/Mission?	PHRI Leads and Investigators
Food as Medicine Clinic Evaluation	Led evaluation (paper submitted) for the MetroHealth I4HOPE Food as Medicine Clinic. The Food as Medicine clinic helps provide tailored food to patients with food insecurity and high-risk medical conditions. The goal of the project is to determine if addressing food insecurity in a hospital-based food pantry will improve health behaviors and outcomes.	Addressing food insecurity is a high priority for I4HOPE and may lead to improved dietary behaviors and health outcomes	Bolen S (PHRI lead), Einstadter D, Gunzler D
MH COVID-19 Registry	<p>In partnership with hospital clinical teams, medical students, and other trainees a team of researchers developed an MHS research registry of COVID-19 patients compatible with (and contributing to) international collaborations, most notably the VIRUS Registry being coordinated by the Society for Critical Care Medicine. The team also contributed to one of the first automated data approaches for extraction, transformation and sharing of EHR data on COVID-19 patients. More than 65,000 patients at &gt;300 international sites are participating.</p> <p>Project resulted in 2 publications:</p> <p><a href="#">Metabolic Syndrome and Acute Respiratory Distress Syndrome in Hospitalized Patients With COVID-19- PubMed (nih.gov)</a></p> <p><a href="#">Outcomes of Patients with Coronavirus Disease 2019 Receiving</a></p>	This project involved coordination and collaboration between legal and IRB representatives, critical care and infectious disease clinicians, informatics personnel, EHR data experts and researchers.	Tarabichi Y & Perzynski A (PI's), Lewis, Wang, Kotekal, Einstadter D, Roy, Kumar

	<a href="#">Organ Support Therapies: The International Viral Infection and Respiratory Illness Universal Study Registry - PubMed (nih.gov)</a>		
Social Needs Screening Interim Evaluation	<p>Clinicians and personnel and I4HOPE collaborated with PHRI investigators to conduct an interim evaluation, descriptive analysis and summary of the social needs screening efforts being implemented at MetroHealth. The work has been submitted for publication by Dr. Misak to the Ohio Family Physician. Further work aligned to this area has been proposed to the National Institutes of Health and is currently under consideration for funding.</p> <p>Project resulted in publication:</p> <p><a href="#">Implementing a Hospital-Based Social Needs Referral System during COVID-19: Combat Food Insecurity and Social Isolation – Ohio Academy of Family Physicians (ohioafp.org)</a></p>	This project involved coordination between social scientists, data analysts and operations personnel, all seeking to better describe and understand how MetroHealth can help to meet the social needs of our most vulnerable community members.	Perzynski A (PHRI lead), Berg K, Misak J, Fuehrer S, Silvers, Chagin K, Frech, Cook
Environmental Accessibility Issues within the MetroHealth System	The purpose of this project was to assess the built environment and equipment for accessibility for persons who use a wheelchair for mobility. It is hoped that the results of the project will be used to improve access to care at ambulatory facilities and to inform new building in the future. All MH Ambulatory Facility Managers completed an online survey of accessibility issues within their facility. In-person wheelchair roll-throughs were conducted at Main Outpatient, Parma and Cleveland Hts. facilities.	This project involved coordination between social scientist, clinicians, therapist researchers, MH SVP of Diversity and HR, Dept., Office of Patient Experience and the Exec. Director of the MH Ambulatory Network	Roach MJ (PHRI lead), Wilson J, Bryden A, Lombardo L, Clegg E, Lastic J
Characterizing Food Insecurity Trajectories During the First Year of	In this study, we examine longitudinal trajectories of food insecurity during the first year of the pandemic, and sociodemographic factors associated with trajectories. Submitted	Addressing food insecurity is a high priority for I4HOPE and may lead to improved dietary behaviors and health outcomes	Gunzler D. (PHRI lead), Perzynski A.

the Covid-19 Pandemic	conference abstract (paper in progress).		
Integrating Patient-reported Outcomes and Quantitative Timed Tasks to Identify Relapsing Remitting Multiple Sclerosis Patient Subgroups: A Latent Profile Analysis	The primary objective of the current study was to conduct exploratory data analysis using latent variable modeling to empirically identify clusters of relapsing remitting (RR) MS patients with shared impairment patterns across three patient-reported outcomes and two timed task measures. Published as: <a href="https://www.sciencedirect.com/science/article/pii/S2211034821001796">https://www.sciencedirect.com/science/article/pii/S2211034821001796</a>	This project involved coordination between social scientists, data analysts and operations personnel, all seeking to understand how to better use patient-reported outcomes and define impairment in multiple sclerosis patients.	Gunzler D. (PHRI lead)

## **Service Roles**

## Service Roles in 2021

### National/International

#### Bar-Shain, D

American Academy of Pediatrics, Member, Peer Reviewer for Scientific Program, 2021-present

American Medical Informatics Association. Member, Peer Reviewer for Scientific Program, and Question Writer for the Clinical Informatics Fellowship In-Service Exam, 2019-present

Epic Systems Corporation

- Member, Epic Primary Care Pediatrics Steering Board, 2016-present
- Member, Immunization Scheduling Experts Discussion Group, 2016-present
- Chairman and Founder, Epic Physician's Advisory Council Mentorship Program, 2019-present
- Member, Health Maintenance Brain Trust, 2019-present
- Member, Epic Children's Health Leadership Council, 2019-present

#### Berg, K

Society for Medical Decision Making. Member, 2017-present

Gerontological Society of America. Member, 2018-present

- Abstract Reviewer, 2020-present

Society for Social Work and Research. Member, 2017-present

Society for the Study of Social Problems. Member, 2014-present

Ad Hoc Reviewer

- *Journal of Family Violence*, 2021-present
- *Journal of Family Social Work*, 2017-present
- *Trauma, Violence, and Abuse*, 2017-present
- *PLOS ONE*, 2019-present
- *International Journal of Environmental Research and Public Health*, 2019-present
- *Behavioral Sciences*, 2019-present
- *Journal of Autism and Developmental Disabilities*, 2020-present
- *Child and Family Social Work*, 2020-present
- *American Journal of Community Psychology*, 2020-present

#### Bolen, S

Department of Health and Human Services. Member, National Clinical Care Commission, 2018-2021

Society of General Internal Medicine. Member, 2001-present

- Member, Abstract Review Committee, 2010-present

Reviewer

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

## **Service Roles – 2021 (Continued)**

Centers for Disease Control and Prevention

- Hypertension Roundtable Member, 2019-present

NIH Organization and Delivery of Health Services (ODHS) Study Section. Scientific Ad Hoc Reviewer, 2021

### **Caron, A**

Agency for Healthcare Research and Quality. Scientific Reviewer, Health Information and Technology Research Study Section, 2019-present

Association of American Medical Colleges (AAMC)

- Organizational Representative, Group on Faculty Affairs, 2021-present
- Scientific Abstract Reviewer, Learn Serve Lead Review Committee, 2018-present

Harvard Macy Institute

- Health Professions Education Program, Invited Faculty, 2020-present
- Leading Health Innovations, Invited Faculty, 2021-present

Reviewer

- *Nature Medicine*, 2021-present
- *Journal of Geriatric Emergency Medicine*, 2021-present

### **De Luca, S**

National Institutes of Health

- NIH Loan Repayment Ambassador
- Grant reviewer, Center for Scientific Review (CSR), NIMH Clinical Trials
- Grant reviewer, Center for Scientific Review (CSR), Women's Health Workgroup
- Grant reviewer, Institutional Suicide Prevention Reviewer, Independent Scientific Peer Review Panel (ISPRP) for Military Suicide Research Consortium (MSRC)

### **Einstadter, D**

Society of General Internal Medicine. Member, 1990-present

American College of Physicians. Fellow, 2000-present

### **Eom, K**

Society for Medical Decision Making. Member, 2020-present

AcademyHealth. Member, 2017-present

American Society of Preventive Oncology. Member, 2017-present

Ad Hoc Reviewer

- *Society for Medical Decision Making*, 2020-present
- *Preventive Medicine*, 2017-present

### **Fiegl, J**

American Statistical Association. Member, 2020-present

### **Gaglioti, A**

North American Primary Care Research Group

## **Service Roles – 2021 (Continued)**

- Governance Committee Member, 2020-present

### Reviewer

- *Journal of the American Board of Family Medicine*
- *Journal of Health Care for the Poor and Underserved*
- *Journal of Rural Health*
- *Journal of Rural Mental Health*
- *Journal of Primary Care & Community Health*
- *Preventing Chronic Disease*
- *Annals of Family Medicine*
- *Journal of Public Health Management and Practice*
- *Health Equity*
- *Health & Place*
- *Health Security*

## **Greco, P**

Epic Systems Corporation. Member, Physician Advisory Council, 1998-present

Siemens Healthineers. Member, Imaging Learning Network, 2017-present

American College of Physicians. Fellow, 2011-present

## **Gunzler, D**

American Statistical Association. Member, 2005-present

- Program Chair in Mental Health Statistics Section, 2019-2021
- Reviewer of papers, Mental Health Statistics Section student paper award, Joint Statistical Meetings, 2014-2021
- Member, Sections in Health Policy Statistics, Mental Health Statistics, Social Statistics and Statistics in Epidemiology, 2011-present

National Institutes of Health (NIH) / National Institute of Mental Health (NIMH). Systems-Level Risk Detection and Interventions to Reduce Suicide, Ideation, and Behaviors. Peer Reviewer. October-November 2021.

National Institutes of Health (NIH) / Center for Scientific Reviews (CSR). Fellowships: Risks, Prevention and Health Behavior. Peer Reviewer, 2020-present.

Society for Medical Decision Making. Member, 2013-present

Association for Clinical and Translational Research. Member, 2013-present

- Member, Biostatistics, Epidemiology, and Research Design Special Interest Group (BERD SIG), 2018-present

Clinical and Translational Science Awards Program.

- Representative at Case Western Reserve University, Methods and Processes Domain Task Force, 2018-present

The Gerontological Society of America. Member, 2018-present

### Peer Reviewer

- *PLOS ONE*
- *Annals of Internal Medicine*
- *Multiple Sclerosis and Related Disorder*

## **Service Roles – 2021 (Continued)**

- *Health Services and Outcomes Research Methodology*
- *AIDS and Behavior*
- *Journal of Clinical Medicine*
- *Infectious Disease Modelling*
- *Scientific Reports*
- *Preventive Medicine*
- *Harvard Data Science*

### **Huml, A**

American Society of Nephrology. Member, 2010-present

National Kidney Foundation. Member, Patient Symposium Planning Committee, 2021-2022

Peer Reviewer

- *American Journal of Kidney Disease*
- *American Journal of Transplantation*
- *Annals of Internal Medicine*
- *BMC Nephrology*
- *Clinical Journal of the American Society of Nephrology*
- *Clinical Transplantation*
- *Journal of General Internal Medicine*
- *PLOS One*
- *Transplantation*

### **Kaelber, D**

Epic Corporation

- Member, Aggregate Data Program Governing Body, 2018-present
- Member, Cosmos User Group, 2018-present
- Member, Governance and Delivery Council, 2020-present
- Member, Payor Platform Council, 2020-present
- Member, Telehealth Council, 2020-present

American Academy of Pediatrics

- Member, Child Health Informatics Center Project Advisory Committee, 2018-present
- Member, Subcommittee on the Evaluation and Management of High Blood Pressure in Childhood, 2014-present
- Abstract Reviewer, Council on Clinical Information Technology, 2013-present

Multi-State EHR-Based National Disease Surveillance (MENDS). Member, Advisory Group, 2019-present

Doximity Telehealth. Member, Advisory Board, 2020-present

American Medical Informatics Association. Scientific Program Reviewer, 2008-present

Health IT Summit. Co-Chair, Midwest Summit, 2019-present

Healthcare Information and Management Systems Society (HIMSS)

- Electronic Medical Record Adoption Model (EMRAM) Stage 7 Site Reviewer, 2015-present
- EMRAM Working Group, 2020-present

KLAS. Healthcare Information Technology Reviewer, 2009-present

## **Service Roles – 2021 (Continued)**

*Med-Peds Journal*. Founding Editorial Board Member, 2020-present  
Journal Peer Reviewer for over 35 different PubMed referenced journals

### **Kanuch, S**

*Journal of Health Disparities Research and Practice*. Peer Reviewer, 2016-present

### **Leon, J**

Academy of Nutrition and Dietetics, Member, 2012–2017, 2020-present

### **Lewis, S**

American Public Health Association. Member, 2018-present

### **Love, T**

*The American Statistician*. Associate Editor, 2005-present

Agency for Healthcare Research and Quality (AHRQ). Standing Member, AHRQ Health Care Research Training (HCRT) Scientific Review Group (Study Section), 2018-present

Post-Acute Sequelae of SARS-COV-2 Infection (PASC) Initiative. Reviewer, 2021

### **Mintz, L**

American College of Physicians. Member, 2015-present

American Academy of Pediatrics. Member, 2015-present

World Professional Association for Transgender Health. Member, 2015-present

American Academy of HIV Medicine. Member, 2019-present

Center for Aids Research. Member, Inter-CFAR Transgender Work Group, 2021-present

### **Misak, J**

American Academy of Family Physicians. Member, 1986-present

### **Perzynski, A**

*Medical Decision Making*. Member, Editorial Board, 2012-present

*PLOS One*. Academic Editor, *Medical Sociology*, 2019-present

*Medical Sociology*. Academic Editor, 2019-present

*Medical Decision Making Policy and Practice*. Member, Editorial Board, 2015-present

Ad Hoc Scientific Publication Review

- *Health Affairs*, 2019-present
- *British Medical Journal*, 2019-present
- *Journal of Health Disparities Research and Practice*, 2016-present
- *Journal of Racial and Ethnic Health Disparities*, 2015-present
- *Health Services and Outcome Research Methodology*, 2011-present
- *Preventive Medicine*, 2008-present
- *The Gerontologist*, 2002-present
- *Journal of the American Medical Informatics Association*, 2020-present

## **Service Roles – 2021 (Continued)**

- *Journal of Family Practice*, 2021-present

Connect Your Community Institute. Founding Board Member, 2017-present

### **Riley, N**

American Academy of Family Physicians. Member, 2014-present

American Medical Informatics Association. Member, 2010-present

- Fellow, 2021-present
- Scientific Program Reviewer, 2018-present

National Research Network on EHR Audit Log Data. Member, 2018-present

Siemens Healthineers

- Member, Imaging Learning Network, 2017-present
- Member, Imaging Learning Builder's Network, 2021-present

### **Roach, MJ**

National Spinal Cord Injury Model System

- SCI Model Systems Data Committee, 1995-2000; 2006-2011, 2016-present
- Health Policy Special Interest Group of the SCI Model Systems, 2016-present

Ad Hoc Reviewer

- *Medical Decision Making*, 2015-present
- *Achieves PM&R*, 2016-present
- *Topics in Spinal Cord Injury*, 2016-present

### **Seeholzer, E**

The Obesity Society (formerly North American Association for the Study of Obesity–NAASO). Member, 2000-present

- Appointed Member, Membership Committee, 2017-present
- Clinical Management Section, 2002-present
- Scientific Abstract Reviewer, 2012-present

Obesity Action Council. Member, 2016-present

Obesity Medicine Fellowship Council, Program Director Member, 2020-present

American College of Physicians. Member, 2018-present

### **Siff, J**

American Medical Informatics Association

- Peer reviewer of articles and meeting submissions, 2010-present
- Review applicants for Fellowship Status 2020-present

American College of Emergency Physicians

- International Research Forum submission reviewer for Informatics and Educational Submissions, 2017-present
- Member, National Reimbursement Committee, 1998, 2000-present

*Substance Abuse/Journal of the Association for Medical Education and Research in Substance Abuse*. Peer Reviewer for journal submissions, 2020-present

## **Service Roles – 2021 (Continued)**

College of Healthcare Information Management Executives (CHIME)

- Opioid Task Force Committee Member, 2020-present
- Opioid Task Force Clinical Advisory Group, 2020-present

Epic Corporation

- Submission Reviewer, International Meeting, 2014-present
- International Physician Advisory Council Steering Board, 2014-present
- International Emergency Department Steering Board, 2014-present

Appriss Health. Member, NarxCare Steering Group, 2019-present

Medicalis/Siemens Healthcare. Member, Emergency Department Data Collaborative, 2018-present

## **Tarabichi, Y**

Society of Critical Care Medicine

- Member, Practical EMR Export Pathways (PEEP): Discovery Automation Pilot, 2020-present
- Member, Viral Infection and Respiratory Illness Universal Study (VIRUS): COVID-19 Registry Investigator Group, 2020-present

APEX COPD. Member, PRISm COPD Diagnoses in Primary Care Research Working Group, 2021-present

Epic Corporation. Elected Committee Member, Cosmos Governing Council, 2021-2024

## **Thornton, J**

National Medical Association. Member, 2002-present

American College of Chest Physicians. Fellow, 2007-present

Society for Critical Care Medicine. Member, 2011-present

American College of Physicians. Fellow, 2016-present

Lift2 Trial NCCIH DSMB (Data Safety and Monitoring Board for the NIH-funded LIFT2 study: Optimizing a Mobile Mindfulness Intervention for ICU Survivors. Member

American Thoracic Society

- Fellow, 2001-present
- Vice Chair, Planning and Evaluation Committee
- Member, Minority Trainee Development Scholarship Committee, 2014-present
- Member, Respiratory Health Awards Working Group
- Chair, Behavioral Sciences and Health Services Research Assembly Nominating Committee, 2020-2021
- Member, Nominating Committee
- Member, Designing Future ATS Conferences Task Force
- Member, ATS Policy Statement on Palliative Care Early in the Care Continuum Among Patients with Chronic Respiratory Diseases Working Group

## Service Roles – 2021 (Continued)

### Regional/Local

#### Bar-Shain, D

Case Western Reserve University and The MetroHealth System, Fellowship in Clinical Informatics

- Assistant Program Director, 2016-present
- Co-Director of the Capstone Activity Project, 2016-present

The MetroHealth System

- Member, Biomedical Informatics Committee, 2010-present
- Director of Informatics, Clinical Decision Support, 2014-present
- Mentoring and Lecturing for Informatics Fellowship, MetroHealth Medical Center, 2016-present

#### Berg, K

The MetroHealth System

- Review Panel, Population Health Research Institute Pilot Grant Program, 2021

Case Western Reserve University

- Review Panel, Mini Grants for Student/Trainee Health Activism Projects, 2021

#### Bolen, S

Health Improvement Partnership-Cuyahoga. Member, Chronic Disease Management Subcommittee, 2015-present

Better Health Partnership. Director, Cardiovascular Disease Programs, 2016-present

Case Western Reserve University, Center for Health Integration. Member, Search Committee, 2020-2021

Case Western Reserve University, Clinical and Translational Science Collaborative of Cleveland

- Member and Reviewer (review career development plans), KL2 Mentorship Committee, 2015-present
- Member, KL2 Selection Committee, 2019-present

The MetroHealth System, Department of Medicine

- Attending Physician, Lee Harvard and Bedford Clinics, 2009-present
- Member, Clinical Practice Guideline Committee, 2020-present

The MetroHealth System

- Conference Organizer, Population Health Research Institute, Population Health Research Seminar Series, 2020-present
- Co-Chair, Search Committee, Population Health Research Institute, 2020-2021
- Member, Population Health Innovation Institute, 2016-present
  - Member, Social Determinants of Health Subcommittee, 2018-present
  - Member, Diabetes Leadership Council, 2020-present

## **Service Roles – 2021 (Continued)**

### **Caron, A**

Central Group on Educational Affairs (regional AAMC).

- Co-Chair, Improvement Special Interest Group, 2010-present
- Chair-elect, Continuing Professional Development Section, 2020-2021

Case Western Reserve University

- Member, Admissions Committee, Physician Assistant Program, 2020-present
- Member, Faculty Senate, 2021-present

The MetroHealth System

- Co-Chair, The Duncan Neuhauser Annual Quality Improvement Lecture, 2014-present
- Member, Research Conflict of Interest Committee, 2019-present

### **Einstadter, D**

Case School of Medicine

- Clinical Research Scholars Program. Course Director, CRSP 401: Introduction to Clinical Research Summer Course, 2002-present
- Member, Block One Design Committee, 2006-present
- Coordinator, Clinical Epidemiology Curriculum, 1st year Block One, 2001-present
  - Lecturer, Block One, Becoming a Doctor Course.
- Physician Assistant Program. Lecturer, Introduction to Evidence Based Medicine Course, 2019-present

The MetroHealth System

- Member, Promotion and Tenure Committee, 2013-present
- Member, Quality Improvement Committee, Department of Medicine, 1993-present

### **Greco, P**

Case Western Reserve University and The MetroHealth System, Fellowship in Clinical Informatics

- Chairperson, Clinical Competency Committee, 2017-present
- Assistant Program Director, 2016-present

The MetroHealth System

- Member, Quality Improvement Committee, Department of Medicine, 1993-present
- Member, Biomedical Informatics Committee, 2010-present
- Director of Informatics, Software Infrastructure, 2010-present
- Mentoring and Lecturing for Informatics Fellowship, 2016-present

### **Gunzler, D**

American Statistical Association, Cleveland Chapter. Member, 2011-present

Case School of Medicine

- Judge for student scientific poster presentations at Irwin H. Lepow Student Research Day, 2013, 2014, 2016, 2017-present
- Member, Data Safety Monitoring Board
  - DoD's multi-site tDCS and Rehab Trial for SCI (Plow, PI), 2019-present
  - Are Narcotic Pain Medications Necessary Following Thyroidectomy and Parathyroidectomy? (McHenry, PI). 2018-present

## **Service Roles – 2021 (Continued)**

- NIH R21: Improving Medication Adherence in Hypertensive Individuals with Bipolar Disorder (Levin, PI). 2017-present
- Member, Biostatistics, Evaluation and Research Design (BERD) Core, 2011-present
  - MetroHealth Medical Center Director, 2018-present

### Case School of Medicine, Clinical Research Scholars Program

- CRSP 401: Introduction to Clinical Research Summer Series. Taught 1-hour overview lecture on longitudinal data analysis, interrupted time series design and intensive longitudinal data, Summer, July, 2020, 2021
- Grader for PhD in Clinical Research Comprehensive Exam, 2017-present

### The MetroHealth System

- Appointments, Promotions and Tenure Committee Member, 2019-present

### The MetroHealth System, Clinical Research Unit

- Member, Scientific Review Committee, 2011-present

## **Huml, A**

Cleveland Minority Organ and Tissue Transplant Education Program (MOTTEP). Member, Advisory Board, 2014-present

### IPRO ESRD Network of the Ohio River Valley

- Chairperson, Medical Review Board, 2017-present
- Member, Medical Advisory Board, 2017-present
- Co-Chair, Transplant Coalition, 2018-present

### Cleveland Clinic

- Attending Nephrologist, Glickman Urological and Kidney Institute, 2018-present

Kidney Precision Medicine Project (KPMP), NIDDK funded study, Cleveland Community Advisory Board Member, 2019-present

The National Forum of ESRD Networks. Network 9 Medical Director Advisory Council Member, 2020-present

## **Kaelber, D**

Hyland Software Inc. Member, On-Base Physician Advisory Committee, 2015-present

### Case Western Reserve University

- Founding Director, Graduate Certificate in Health Informatics Program, 2017-present
- Founding Co-Director, Center for Education and Training and Health Informatics, 2016-present

### Case Western Reserve University School of Medicine

- Clinical and Translational Science Center (CTSC) Child Health Advisory Board, 2014-present
- Block 1 Committee, 2005-present

### The MetroHealth System

- Founding Director, Clinical Informatics Fellowship Program, 2016-present
- Chief Medical Informatics Officer (CMIO) and Vice-President of Health Informatics, 2014-present

## **Service Roles – 2021 (Continued)**

- Founding Director, Center for Clinical Informatics Research and Education (CCIRE), 2011-present
- Director, ACGME Clinical Informatics Fellowship, 2015-present
- Board of Directors, Brittingham Memorial Library, 2003-2006, 2009-present
  - Chair, 2020-present
- Member, Graduate Medical Education Committee, 2001-2006, 2015-present

Case Western Reserve University and The MetroHealth System

- Affiliated Faculty, Center for Reducing Health Disparities, 2009-present
- Senior Scholar, Center for Health Care Research and Policy, 2009-present

Better Health Partnership. Member, 2010-present

- Member, Clinical Advisory Committee, 2011-present
- Member, Information Management Committee, 2010-present

### **Leon, J**

- Greater Cleveland Maternal and Child Nutrition Committee, Member, 2020-present

### **Lewis, S**

Ohio Public Health Association. Member, 2019-present

### **Love, T**

Case Western Reserve University, Faculty Senate

- Member, Faculty Senate Committee on Faculty Compensation, 2018-present
- Member, Faculty Senate Committee on Fringe Benefits, 2018-present

Case Western Reserve University, Department of Population and Quantitative Health Sciences

- Lead, Health Care Analytics Track, MS program in Epidemiology & Biostatistics, 2015-present
- Member, MS Admissions Committee, 2016-present

The MetroHealth System

- Research Conflicts of Interest Committee, 2019-present
- Population Health Research Institute (PHRI)
  - PHRI Staff and Faculty Search Committee, 2020-present
  - PHRI Fellowship Leadership Team, 2020-present

### **Mintz, L**

Northeast Ohio Sexual and Gender Minority Partnership. Co-Founder and Chair, 2020-present

Clinical and Translational Science Collaborative. HRC Point Person, Member, 2021-present

ATNSC Center for Healing and Creative Leadership. Board Member Emeritus

Case Western Reserve University School of Medicine

- Faculty Advisor, CaseMed PRIDE, 2019-present

Case Western Reserve University Center for Aids Research. Member, 2021-present

The MetroHealth System, Internal Medicine-Pediatrics

## **Service Roles – 2021 (Continued)**

- Member, Faculty Committee on Diversity and Inclusion, 2020-present
- Member, Faculty Committee on Transitions of Care, 2020-present

### **Misak, J**

AIDS Funding Collaborative. Board of Directors, 2020-present

Better Health Partnership. Co-director, Adult Health Leadership Team, 2020-present

Center for Community Solutions. Board of Directors, 2014-present

Greater Cleveland Consortium Accountable Health Communities. Advisory Board, 2019-present

Case Western Reserve University School of Medicine, Center for Community Health Integration. Faculty, 2020-present

MetroHealth Foundation. Board of Directors, 2018-present

The MetroHealth System

- Medical Director, Institute for H.O.P.E.™, 2019-present
- Governing Board, Collaborative Care Partners Medicare Direct Contracting Entity, 2021-present
- Vice Chair, Community and Population Health, Department of Family Medicine, 2015-present
- Chair, Medical Staff Bylaws Committee, 2008-present
- Staff Physician, Department of Family Medicine, 1990-present

### **Perzynski, A**

Connect Your Community Institute, Cleveland, Ohio. Founding Board Member, 2017-present

The MetroHealth System

- Committee on Appointments, Promotion and Tenure, 2019-present
- The MetroHealth System. Conflict of Interest Committee, 2019-present
- The MetroHealth System. COVID-19 Research Committee, 2020-present
- Member, Data Safety and Monitoring Board, "Contralaterally Controlled FES versus Cyclic NMES for Hand Function after Stroke," 2019-present
- Judge, Resident Research Competition, Department of Medicine, 2010-present

### **Riley, N**

The MetroHealth System

- Member, Biomedical Informatics Committee, 2017-present
- Member, Enterprise Imaging Steering Committee, 2020-present

Case Western Reserve University / The MetroHealth System

- Member, Internal Medicine Residency Quality Improvement Steering Committee, 2019-present

### **Roach, MJ**

Northeast Ohio Trauma System. Research Committee, 2019-present

## **Service Roles – 2021 (Continued)**

The MetroHealth System

- Member and Co-Chair, The MetroHealth Green Team, 2015-2021
- Disability Working Group. Chair 2020-present

### **Sehgal, A**

Policy Matters Ohio

- Member, Board of Directors, 2018-present

### **Seeholzer, E**

Health Action Council of Ohio. Member, 2013-present

Case Western Reserve University Teaching

- Incorporating and Addressing Obesity Medicine Content Across the Medical School Curriculum, student guided project. Faculty mentor on team for adding curriculum content to increase knowledge about obesity as chronic condition and reduce obesity bias among medical students. Amber Olson, Medical Student (2024) lead, 2020-present. Output to date:
  - Two Obesity Team-Based Learning Sessions (TBL), 1) Obesity Pathogenesis. 2) Obesity Treatment, Block 3: Food to Fuel, November 2021, January 2022, Role: TBL development and faculty facilitator.
  - Student surveys about obesity and TBL evaluation, 2021-2022
  - Obesity Medicine Medical Student Interest Group. Role: Faculty Presenter in October 2021; Faculty Moderator, 2021 to present
  - On-going review of curriculum for people-first language and addition of obesity related content.

The MetroHealth System

- Staff Physician, Department of Internal Medicine, 1999-present
- Medical Director, Adult Weight Loss Surgery and Weight Management Center, 2015-present
- Obesity Medicine Fellowship Program Director, 2021-present
- Medical Director, SkyWay Workplace Population Health Team, 2016-present
- Medical Director, MetroHealthy Employee Wellness Initiative, 2011-present
- Member, Privacy Board, 2016-2021 (Reviews institutional research proposals for compliance to national privacy standards)
- Co-Founder and Co-Chair, The Annual MetroHealth Duncan V. Neuhauser Ph.D. Quality Improvement Lecture, 2014-present
- Facilitator, Population Health Institute Tobacco Cessation Committee, 2018-present
- Preceptor in Weight Management Clinic, Primary Care and Behavior Health Residents, Endocrinology Fellows, Addiction Medicine Fellow, Post Graduate Observers, 2005-present
- Clinical Obesity Medicine education and training for physicians and advanced practice providers: providers directives readings and intensive clinical mentorship for 6-12 months for Weight Management new clinic providers, 2005-present

### **Siff, J**

Care Innovation and Community Improvement Program (CICIP) Taskforce for Opiate Prescribing. Member, 2019-present

Ohio Hospital Association Opioid Data Collective. Member, 2018-present

## **Service Roles – 2021 (Continued)**

Ohio CMIO Epic Collaborative. Member, 2015-present

Case Western Reserve University

- Co-directed Advanced Core Clerkship for CWRU Clinical Informatics Fellowship, 2021-2022

The MetroHealth System

- Co-Chair, Technology Security Steering Committee, 2019-present
- Member, Information Services Governance Committee, 2019-present
- Member, Provider Documentation and Coding Compliance Committee, 2019-present
- Member, Executive Opioid Steering Committee, 2017-present
- Co-Chair, Adult Primary Care Associate Director Committee, 2016-present
- Chairman, Assistant and Associate Director of Informatics Leadership Team, 2015-present
- Member, CIO and IS/Informatics Directors Leadership Group, 2015-present
- Informatics Lead, Compliance and Informatics Committee (EpiCal), 2014-present
- Chair, Emergency Department IT Steering Committee, 2012-present
- Member, Biomedical Informatics Committee, 2010-present
- Member, Medical Records Committee, 2009-present

### **Tarabichi, Y**

The MetroHealth System

- Member, Medical Bioinformatics Committee, 2015-present
- Member, SlicerDicer (an Electronic Health Data Self-Service Tool) Committee, 2018-present
- Member, Data Governance Committee, 2019-present

### **Thornton, J**

The MetroHealth System

- Attending, Pulmonary Clinic, 2005-present
- Attending, Medical Intensive Care Unit, 2005-present
- Director, Medical Intensive Care Unit, 2007-present
- Member, Clinical Research Unit Scientific Review Committee, 2014-present
- Member, Department of Medicine Promotion and Tenure Committee, 2019-present
- Co-Director, Center for Reducing Health Disparities, 2014-present
- Co-Director, Education for the Population Health Research Institute, 2020-present