

PHRI 2020 Annual Report Summary

In 2020, PHRI completed our strategic planning and developed an implementation plan for 2021. During this time, our 16 core faculty submitted over 20 new grant proposals with several grants funded near the end of 2020 and beginning of 2021. A few examples of newly funded grants from these submissions include: 1) a \$450,000 AHRQ grant to improve nursing home prevention of COVID-19 (PI Caron); 2) a \$4.1 million dollar AHRQ grant to improve cardiovascular health and reduce cardiovascular health disparities across the state (PIs Bolen and Caron); 3) two NIH grants with a combined value of \$500,000 entitled “Mechanisms of Cognitive Decline Across Socioeconomic and Clinical Contexts” and “Cardiovascular Risk among Transgender Persons in a Regional Electronic Record Registry” (PI Perzynski); and 4) a grant to evaluate long COVID syndrome in kids (site PI Kaelber). We continued activity on 28 ongoing grants totaling \$17.6 million where PHRI faculty were PIs or site PIs (see **2020 PHRI Grants Table**). Beyond funded grants, we also list selected key internally funded aligned MetroHealth projects where PHRI faculty have contributed effort in 2020, such as evaluation of the MetroHealth COVID-19 hotline and Food as Medicine clinic (see **2020 PHRI Selected Internally Funded Projects Table**).

In addition to grants, PHRI faculty have been disseminating their work to enhance the regional and national reputation of MetroHealth. We increased our publications from 38 in 2019 to 58 in 2020 around key topic areas such as COVID-19, health disparities, trauma, cardiovascular health, and informatics research (see **2020 PHRI Publication List**). Our faculty were invited to provide over 20 national presentations in 2020 (see **2020 PHRI Invited National Presentations**), with an additional 90 other regional and national presentations in 2020 highlighting the work done within PHRI (see **2020 PHRI Abstracts/Conference Talks List**).

PHRI faculty mentored over 65 trainees in 2020 on population health focused research including 19 residents and faculty from MetroHealth and over 25 Case Western Reserve University (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) Health Disparities led by CRHD Co-Director Dr. Sehgal; and 4) Qualitative and Mixed Methods in Public Health led by Dr. Perzynski. Our PHRI faculty have had several awards, honors and promotions in the past year based on their work (see **2020 PHRI Honors, Awards, and Promotions List**). Lastly, PHRI faculty have filled over 65 service roles nationally and many more regionally including over 65 service roles within MetroHealth, over 30 service roles within CWRU, and over 15 community service roles (see **PHRI Service Roles List 2020**). We look forward to future activities in 2021.

Sincerely,



Shari Bolen MD, MPH
Director, Population Health Research Institute
The MetroHealth System

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2020 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

Abstracts and Conference Talks

Honors, Patents, Awards, Milestones, and Promotions

Research Trainees

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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)

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Grants Active or in No Cost Extension in 2020 (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
CENTER FOR CLINICAL INFORMATICS RESEARCH AND EDUCATION (CCIRE)				
Kaelber	Outcome Sciences, Inc. 8651081199	P-COMPASS QUERIES(Clinical Trial) Study Feasibility Assessment (Kaelber-Site PI)	\$19,500	8/1/2014 – 6/30/2020
Kaelber	DARTNet Institute 8651091199	P-DARTNet (Clinical Trial) CDC Diabetes Quality-Related eMeasures from EHR Data (Pace-PI) / (Kaelber-Site PI)	\$75,676	9/29/2015 – 12/31/20
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 8651181199	CTN OVNN YR 21 (Kaelber-Site PI)	\$22,516	6/1/20 - 2/28/21
Kaelber	CHOP/PCORI 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	APEX COPD (Kaelber-Site PI)	\$10,500	12/4/19- 12/31/20
Tarabichi	T32 NIH 7851011199	P-LUNG CANCER SCREENING DECISI (Tarabichi-PI)	\$12,000	7/29/2019 – 11/2/2020
TOTAL CCIRE			\$1,068,143	
CENTER FOR REDUCING HEALTH DISPARITIES (CRHD)				
Huml	K23 NIH/NIDDK RES207950	Barriers to Care for Patients Transitioning from Transplant to Dialysis (Huml-PI)	\$740,295	7/19/2016 – 4/30/2021
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
TOTAL CRHD			\$11,164,278	

CENTER FOR HEALTH CARE RESEARCH & POLICY (CHRP)				
Avery	HRSA H97HA28892 7411065199	HRSA Social Media (Avery-PI)	\$330,056	9/1/2015 – 8/31/2020
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 RES514609 RES514818	Hypertension Quality Improvement Project State and Federal (Konstan, Bolen-PI's)	\$198,979	7/3/2019 – 6/30/2020
Bolen	Ohio Dept. of Medicaid RES514477	Ohio Cardiovascular Health Collaborative— Cardi-OH (Konstan, Bolen-PI's)	\$292,314	7/3/2019 – 6/30/2020
Bolen	Ohio Dept. of Medicaid RES514742 RES514686	Diabetes Quality Improvement Project—Federal and State (Konstan, Bolen-PI's)	\$168,251	7/3/2019 – 6/30/2020
Bolen	Ohio Dept. of Medicaid RES514584	Ohio Diabetes Consortium (Konstan, Bolen-PI's)	\$90,105	7/3/2019 – 6/30/2020
Caron	Health Resources and Services Administration (HRSA) TRN205814 TRN513732 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 TRN220988 T13HP31899	Primary Care Training and Enhancement: Training Primary Care Champions (Caron-PI)	\$780,289	9/1/2018 – 8/31/2023
Caron	HRSA TRN514951	Primary Care Practice Transformation Fellowship. NEOMED HRSA Supplemental (Boltri-PI) / (Caron- Site PI)	\$43,159	7/1/2019 – 6/30/2020
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
Liskay	Ohio Dept. of Health 6131061599	P-COVERDELL REGISTRY YR5 Heart Disease and Stroke Prevention (Liskay-PI)	\$250,000	6/30/2020 – 6/29/2021
Perzynski	NIH/NIA RES514175 R01 AG055480	Modeling and Forecasting Atherosclerotic Risk: A Complex Systems Approach (Dalton, Perzynski-PI's)	\$242,126	4/1/2019 – 3/31/2021
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 – 3/31/21
Perzynski	NIH/NIA R01AG055480-04S1 RES515563	Mechanisms of Cognitive Decline Across Socioeconomic and Clinical Contexts	\$402,453	8/1/20 – 3/31/21

Seeholzer	American Cancer Society RSG-18-137-01 6221041199	CHOOSE2QUIT YR 2: Improving Equity in Smoking Cessation for Low-Income Adults (Flocke-PI) / (Seeholzer-Site-PI)	\$319,826	8/1/2020 – 7/31/2021
TOTAL CHRP			\$5,418,381	
TOTAL ALL CENTERS			\$17,650,802	

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

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Grants Active or in No Cost Extension in 2020 (by Co-Investigator)				
PHRI Faculty	Funding Source	Abbreviated Grant / Project Title	Total MH \$'s All Years (DC + IC)	Start/End Dates
CENTER FOR CLINICAL INFORMATICS RESEARCH AND EDUCATION (CCIRE)				
TOTAL CCIRE			\$0	
CENTER FOR REDUCING HEALTH DISPARITIES (CRHD)				
Sehgal	University of NM RES237042	Access to Kidney Transplantation (Myaskovsky-PI)	\$92,034	7/7/20 – 1/31/25
TOTAL CRHD			\$92,034	
CENTER FOR HEALTH CARE RESEARCH & POLICY (CHRP)				
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	First Responders (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)	\$558,541	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)	\$589,789	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
TOTAL CHRP			\$2,245,502	
TOTAL ALL CENTERS			\$2,337,536	

Publications

POPULATION HEALTH RESEARCH INSTITUTE

Publications in 2020

Peer Reviewed Articles (trainee authors underlined)

1. Adie Y, Kats DJ, Tlimat A, **Perzynski A, Dalton J, Gunzler D, Tarabichi Y**. Neighborhood disadvantage and lung cancer incidence in ever-smokers at a safety-net healthcare system: a retrospective study. *Chest*. 2020; 157(4):1021-1029.
2. Arora KS, Ascha M, Wilkinson B, Verbus E, Montague M, Morris J, **Einstadter D**. Association between neighborhood disadvantage and fulfillment of desired postpartum sterilization. *BMC Public Health*. 2020 Sep 22;20(1):1440. doi: 10.1186/s12889-020-09540-5. PMID: 32962666.
3. Barriera-Silvestrini P, Xiong DD, **Lewis S**, Knackstedt T. [Melanoma incidence and survival in patients with myelodysplastic syndrome: a matched cohort population-based study](#). *J Am Acad Dermatol*. 2021 Feb;84(2):502-505. doi: 10.1016/j.jaad.2020.04.148. Epub 2020 May 4. PubMed PMID: 32376434.
4. 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. *Clin Soc Work J*. 2021 Jan 11:1-11. doi: 10.1007/s10615-020-00781-w. Epub ahead of print. PMID: 33456094; PMCID: PMC7798008.
5. 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 two decades of multi-institutional electronic medical records. *J Health Care Poor Underserved*. In press.
6. **Berg KA**, Bender AE, Evans KE, Holmes MR, Davis AP, Scaggs AL, et al. Service needs of children exposed to domestic violence: qualitative findings from a statewide survey of domestic violence agencies. *Children and Youth Services Review*. 2020; 118. doi: 10.1016/j.childyouth.2020.105414.
7. Bogorodskaya M, **Lewis SA**, Krakower DS, **Avery A**. [Low awareness of and access to pre-exposure prophylaxis but high interest among heterosexual women in Cleveland, Ohio](#). *Sex Transm Dis*. 2020 Feb;47(2):96-99. doi: 10.1097/OLQ.0000000000001082. PubMed PMID: 31651712.
8. Cardet JC, Busse PJ, Carroll JK, Casale TB, Coyne-Beasley T, Dixon-Williams S, Fagan M, Forth VE, Fuhlbrigge AL, Hernandez ML, **Kaelber D**, et al. Adherence to adding inhaled corticosteroids to rescue therapy in a pragmatic trial with adults with asthma: a pilot study. *Ann Allergy Asthma Immunol*. 2020 May;124(5):487-493.e1. doi: 10.1016/j.anai.2019.12.027. Epub 2020 Jan 8. PMID: 31923550; PMCID: PMC7188592.

9. Chen Y, Wen H, Griffin R, **Roach MJ, Kelly ML**. [Linking individual data from the Spinal Cord Injury Model Systems Center and Local Trauma Registry: development and validation of probabilistic matching algorithm](#). *Top Spinal Cord Inj Rehabil*. 2020;26(4):221-231. doi: 10.46292/sci20-00015. Epub 2021 Jan 20. PMID: 33536727; PMCID: PMC7831288.
10. Cleland T, Jain NB, Chae J, Hansen KM, Hisel T, **Gunzler DD**, et al. The protocol for a multisite, double blind, randomized, placebo-controlled trial of axillary nerve stimulation for chronic shoulder pain. *Trials*. 2020; 21(1):248.
11. **Dalton JE**, Rothberg MB, **Dawson NV**, Krieger NI, Zidar DA, **Perzynski AT**. Failure of traditional risk factors to adequately predict cardiovascular events in older populations. *J Am Geriatr Soc*. 2020 Apr;68(4):754-761. doi: 10.1111/jgs.16329. Epub 2020 Jan 20. PMID: 31958154; PMCID: PMC7156319.
12. Davey CH, Webel AR, **Sehgal AR**, Voss JG, Hsiao CP, Darrah R, et al. Genetic correlates of fatigue in individuals with end stage renal disease. *West J Nurs Res*. 2020 Dec;42(12):1042-1049. doi: 10.1177/0193945920919911. Epub 2020 May 20. PMID: 32431239.
13. 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*. 2020 Aug 20. doi: 10.1007/s10620-020-06545-3. Online ahead of print. PMID:32816217.
14. 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*. 2020 Sep 21. doi: 10.1007/s10620-020-06602-x. Online ahead of print. PMID:32954457.
15. Fishbein HA, Birch RJ, Mathew SM, Sawyer HL, Pulver G, Poling J, **D Kaelber**, et al. [The Longitudinal Epidemiologic Assessment of Diabetes Risk \(LEADR\): unique 1.4 M patient electronic health record cohort](#). *Healthcare (Amst)*. 2020 Dec;8(4):100458. doi: 10.1016/j.hjdsi.2020.100458. Epub 2020 Oct 1. PMID: 33011645.
16. Flocke SA, **Seeholzer E, Lewis SA**, Gill IJ, Rose JC, Albert E, **Love TE, Kaelber D**. [12-month evaluation of an ehr-supported staff role change for provision of tobacco cessation care in 8 primary care safety-net clinics](#). *J Gen Intern Med*. 2020 Nov;35(11):3234-3242. doi: 10.1007/s11606-020-06030-7. Epub 2020 Jul 23. PubMed PMID: 32705473; PubMed Central PMCID: PMC7661631.
17. Franklin M, Webel A, **Kaelber D**, Evans J, Kelley C. [Prevalence of cervical cancer overscreening: review of a wellness registry](#). *Comput Inform Nurs*. 2020 Sep;38(9):459-465. doi: 10.1097/CIN.0000000000000610. PMID: 32168022.
18. **Gunzler D, Lewis S**, Webel A, Lavakumar M, Gurley D, Kulp K, Pile M, El-Hayek V, **Avery A**. [Depressive symptom trajectories among people living with HIV in a collaborative care program](#). *AIDS Behav*. 2020 Jun;24(6):1765-1775. doi:

10.1007/s10461-019-02727-x. PubMed PMID: 31728696; PubMed Central PMCID: PMC7220833.

19. **Gunzler D, Sehgal AR, Kauffman K, Davey CH, Dolata J, Figueroa M, Huml A, Pencak J, Sajatovic M.** Identify depressive phenotypes by applying RDOC domains to the PHQ-9. *Psychiatry Res.* 2020 Feb 19;286:112872. doi: 10.1016/j.psychres.2020.112872. Epub ahead of print. PMID: 32151848; PMCID: PMC7434666.
20. Hojat L, **Avery A, Greco PJ, Kaelber DC.** Doubling hepatitis C virus screening in primary care using advanced electronic health record tools-a non-randomized controlled trial. *J Gen Intern Med.* 2020 Feb;35(2):498-504. doi: 10.1007/s11606-019-05536-z. Epub 2019 Dec 2. PMID: 31792863; PMCID: PMC7018893.
21. Hojat LS, Greco PJ, Bhardwaj A, Bar-Shain D, Abughali N. Using preventive health alerts in the electronic health record improves hepatitis C virus testing among infants perinatally exposed to hepatitis C. *The Pediatric Infectious Disease Journal.* 2020 Oct;39(10):920-924. DOI: 10.1097/inf.0000000000002757.
22. **Huml AM,** Sedor JR, Poggio E, Patzer RE, Schold JD. An opt-out model for kidney transplant referral: the time has come. *Am J Transplant.* 2021 Jan;21(1):32-36. doi: 10.1111/ajt.16129. Epub 2020 Jul 5. PMID: 32519382; PMCID: PMC7725926.
23. **Huml AM, Sullivan C, Figueroa M, Scott K, Sehgal AR.** Consistency of direct-to-consumer genetic testing results among identical twins. *Am J Med.* 2020 Jan;133(1):143-146.e2. doi: 10.1016/j.amjmed.2019.04.052. Epub 2019 Jun 15. PMID: 31207220; PMCID: PMC6911647.
24. Ishler KJ, Flocke SA, Albert EL, **Trapl E, Gunzler D.** Cigarillo and multiple tobacco product use and nicotine dependence in adolescents and young adults. *Addict Behav.* 2020 Dec;111:106537. doi: 10.1016/j.addbeh.2020.106537. Epub 2020 Jul 3. PMID: 32795846; PMCID: PMC7484124.
25. Israel E, Cardet JC, Carroll JK, Fuhlbrigge AL, Pace WD, Maher NE, She L, Rockhold FW, Fagan M, Forth VE, Hernandez PA, Manning BK, Rodriguez-Louis J, Shields JB, Coyne-Beasley T, Kaplan BM, Rand CS, Morales-Cosme W, Wechsler ME, Wisnivesky JP, White M, Yawn BP, McKee MD, Busse PJ, **Kaelber DC,** et al. [A randomized, open-label, pragmatic study to assess reliever-triggered inhaled corticosteroid in African American/Black and Hispanic/Latinx adults with asthma: design and methods of the PREPARE trial.](#) *Contemp Clin Trials.* 2021 Feb;101:106246. doi: 10.1016/j.cct.2020.106246. Epub 2020 Dec 11. PMID: 33316456.
26. **Kaelber DC,** Localio AR, Ross M, **Leon JB,** Pace WD, Wasserman RC, et al. Persistent hypertension in children and adolescents: a 6-year cohort study. *Pediatrics.* 2020 Oct;146(4):e20193778. doi: 10.1542/peds.2019-3778. Epub 2020 Sep 18. PMID:32948657.
27. **KatsDJ,** Adie Y, Tlimat A, Greco PJ, Kaelber DC, Tarabichi Y. [Assessing different approaches to leveraging historical smoking exposure data to better select lung](#)

- [cancer screening candidates: a retrospective validation study](#). Nicotine Tob Res. 2020 Sep 25;ntaa192. doi: 10.1093/ntr/ntaa192. Online ahead of print. PMID: 32974635.
28. **Kauffman K, Davey CH, Dolata J, Figueroa M, Gunzler D, Huml A, Pencak J, Sajatovic M, Sehgal AR.** Changes in self-reported depressive symptoms among adults in the United States from 2005 to 2016. J Am Psychiatr Nurses Assoc. 2021 Mar-Apr;27(2):148-155. Epub 2020 Feb 13. doi.org/10.11177/1078390320906194.
 29. **Kauffman KM, Dolata J, Figueroa M, Gunzler D, Huml A, Pencak J, Sehgal AR, Sajatovic M.** Higher dose weekly fluoxetine in hemodialysis patients: a case series report. Int J Psychiatry Med. 2021 Jan;56(1):3-13. doi: 10.1177/0091217420913399. Epub 2020 Mar 26. PMID: 32216496; PMCID: PMC7529646.
 30. **Kim JY,** Minnes S, Ridenour TA, **Perzynski AT,** Min MO, Singer LT. Attitudinal tolerance of deviance in at-risk early adolescents. Journal of the Society for Social Work and Research. 2020. In press.
 31. Knutson JS, Makowski NS, Harley MY, Hisel TZ, **Gunzler DD,** Wilson RD, et al. [Adding contralaterally controlled electrical stimulation of the triceps to contralaterally controlled FES of the finger extensors reduces upper limb impairment and improves reachable workspace but not dexterity: a randomized controlled trial](#). Am J Phys Med Rehabil. 2020 Jun;99(6):514-521. doi: 10.1097/PHM.0000000000001363. PMID: 32167957.
 32. **Krise SM,** Etheart I, **Perzynski AT,** Como J, Carneval M, Conrad-Schnetzk. Leadership amongst regional and national surgical organizations: the tides are changing. 2020 Oct 6;12(10):e10827. doi: 10.7759/cureus.10827. PMID: 33173634; PMCID: PMC7645299.
 33. Lavakumar M, **Lewis S,** Webel A, **Gunzler D,** Gurley D, Alsop J, El-Hayek V, **Avery A.** [Correlates of depression outcomes in collaborative care for HIV](#). Gen Hosp Psychiatry. 2020 Sep - Oct;66:103-111. doi: 10.1016/j.genhosppsy.2020.05.002. Epub 2020 May 19. PubMed PMID: 32763639.
 34. **Margolius D, Siff J,** Teng K, **Einstadter D, Gunzler D, Bolen S.** [Primary care physician factors associated with inbox message volume](#). J Am Board Fam Med. 2020 May-Jun;33(3):460-462. doi: 10.3122/jabfm.2020.03.190360. PMID: 32430380.
 35. Ontaneda D, Tallantyre EX, Raza PC, Planchon SM, Nakamura K, Miller D, Hersh C, Craner M, Bale C, Chaudhry B, **Gunzler DD, Love TE,** et al. [Determining the effectiveness of early intensive versus escalation approaches for the treatment of relapsing-remitting multiple sclerosis: The DELIVER-MS study protocol](#). Contemp Clin Trials. 2020 Aug;95:106009. doi: 10.1016/j.cct.2020.106009. Epub 2020 Apr 19. PMID: 32320842.
 36. Pope TM, Bennett J, Carson SS, Cederquist L, Cohen AB, DeMartino ES, Godfrey DM, Goodman-Crews P, Kapp MB, Lo B, Magnus DC, Reinke LF, Shirley JL, Siegel MD, Stapleton RD, Sudore RL, Tarzian AJ, **Thornton JD,** et al. Making medical treatment

- decisions for unrepresented patients in the ICU. An official American Thoracic Society/American Geriatrics Society policy statement. *American Journal of Respiratory and Critical Care Medicine*, 2020, 201(10):1182-1192. PMID: 32412853.
37. Raina R, Mahajan Z, [Sharma A](#), Chakraborty R, Mahajan S, Sethi SK, Kapur G, **Kaelber D**. Hypertensive crisis in pediatric patients: an overview (review). *Frontiers in Pediatrics*. 2020 Oct 20;8:588911. doi: 10.3389/fped.2020.588911. eCollection 2020. PMID: 33194923.
 38. Schold JD, Augustine JJ, **Huml AM**, Fatica R, Nurko S, Wee A, et al. Effects of body mass index on kidney transplant outcomes are significantly modified by patient characteristics. *Am J Transplant*. 2021 Feb;21(2):751-765. doi: 10.1111/ajt.16196. Epub 2020 Aug 27. PMID: 32654372.
 39. Schold JD, Augustine JJ, **Huml AM**, O'Toole J, Sedor JR, Poggio E. Modest rates and wide variation in timely access to repeat kidney transplantation in the United States. *Am J Transplant*. 2020 Mar;20(3):769-778. doi: 10.1111/ajt.15646. Epub 2019 Nov 15. PMID: 31599065; PMCID: PMC7204603.
 40. **Sehgal AR**. Lifetime risk of death from firearm injuries, drug overdoses, and motor vehicle accidents in the United States. *Am J Med*. 2020 Oct;133(10):1162-1167.e1. doi: 10.1016/j.amjmed.2020.03.047. Epub 2020 May 7. PMID: 32387317; PMCID: PMC7541401.
 41. **Sehgal AR**. Race and the false precision of glomerular filtration rate estimates. *Ann Intern Med*. 2020 Dec 15;173(12):1008-1009. doi: 10.7326/M20-4951. Epub 2020 Aug 18. PMID: 32805131.
 42. **Sehgal AR**. Should asymptomatic and low-risk individuals be tested for SARS-CoV-2? *J Gen Intern Med*. 2020 Sep;35(9):2810-2812. doi: 10.1007/s11606-020-06000-z. Epub 2020 Jun 24. PMID: 32583347; PMCID: PMC7314427.
 43. **Sehgal AR**, Himmelstein DU, Woolhandler S. Feasibility of separate rooms for home isolation and quarantine for COVID-19 in the United States. *Ann Intern Med*. 2021 Jan;174(1):127-129. doi: 10.7326/M20-4331. Epub 2020 Jul 21. PMID: 32692931; PMCID: PMC7392146.
 44. Singer ME, **Kaelber DC**, Antonelli MJ. [Hydroxychloroquine ineffective for COVID-19 prophylaxis in lupus and rheumatoid arthritis](#). *Ann Rheum Dis*. 2020 Aug 5;annrheumdis-2020-218500. doi: 10.1136/annrheumdis-2020-218500. Online ahead of print. PMID:32759263.
 45. Step MM, Knight K, McMillen Smith J, **Lewis SA**, Russell TJ, **Avery AK**. [Positive peers mobile application reduces stigma perception among young people living with HIV](#). *Health Promot Pract*. 2020 Sep;21(5):744-754. doi: 10.1177/1524839920936244. Epub 2020 Aug 6. PubMed PMID: 32757838.
 46. **Taksler GB, Dalton JE, Perzynski AT**, Rothberg MB, Milinovich A, Krieger NI, **Dawson NV, Roach MJ, Einstadter D**. Opportunities, Pitfalls and Alternatives in Adapting

Electronic Health Records for Health Services Research. Med Decis Making. 2021 Feb;41(2):133-142. doi: 10.1177/0272989X20954403. Epub 2020 Sep 24. Erratum in: Med Decis Making. 2020 Dec 22;:272989X20978126. PMID: 32969760; PMCID: PMC7878193.

47. **Tarabichi Y**, Goyden J, Liu R, **Lewis S**, **Sudano J**, **Kaelber DC**. [A step closer to nationwide electronic health record-based chronic disease surveillance: characterizing asthma prevalence and emergency department utilization from 100 million patient records through a novel multisite collaboration.](#) J Am Med Inform Assoc. 2020 Jan 1;27(1):127-135. doi: 10.1093/jamia/ocz172. PubMed PMID: 31592525; PubMed Central PMCID: PMC7647242.
48. **Tarabichi Y**, Watts B, Collins T, **Margolius D**, **Avery A**, **Gunzler D**, **Perzynski A**. SARS-CoV-2 infection among serially tested emergency medical services workers. Prehosp Emerg Care. 2021 Jan-Feb;25(1):39-45. doi: 10.1080/10903127.2020.1831668. Epub 2020 Oct 30. PMID: 33026286.
49. Thalanayar Muthukrishnan P, Ratnam M, Nguyen M, Le M, **Gunzler D**, Bruno D, et al. Pre-diagnosis multidisciplinary tumor board and time to staging in lung cancer: the Case Western MetroHealth experience. Cureus. 2020 Jan 8;12(1):e6595. doi: 10.7759/cureus.6595. PMID: 32064177; PMCID: PMC7003723.
50. **Thornton JD**. Time to move beyond proving disparities exist and begin eliminating them. Annals of the American Thoracic Society, 2020, 17(2); 172-173. PMID: 32003607.
51. **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, transplantation proceedings. 2021 Mar;53(2):555-559. doi: 10.1016/j.transproceed.2020.07.018. Epub 2020 Sep 23. PMID: 32977977; PMCID: PMC7914131.
52. Voith LA, Topitzes J, **Berg KA**. The transmission of violence and trauma across development and environmental contexts: intimate partner violence from the perspective of men with histories of perpetration. Child Abuse Negl. 2020 Jan;99:104267. doi: 10.1016/j.chiabu.2019.104267. Epub 2019 Nov 16. PubMed PMID: 31743807.
53. Volovetz J, **Roach MJ**, Stampas A, Nemunaitis G, **Kelly ML**. [Blood alcohol concentration is associated with improved AIS motor score after spinal cord injury.](#) Top Spinal Cord Inj Rehabil. 2020;26(4):261-267. doi: 10.46292/sci20-00014. Epub 2021 Jan 20. PubMed PMID: 33536731; PubMed Central PMCID: PMC7831290.
54. Volovetz J, **Roach MJ**, Stampas A, Nemunaitis G, **Kelly ML**. Ethanol level and neurologic outcomes in persons with traumatic spinal cord injury. Top Spinal Cord Inj Rehabil. 2020; 26(4): 261-267. <https://meridian.allenpress.com/tscir/issue>.

55. 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. Erratum in: *Mol Psychiatry*. 2020 Sep 30;: PMID: 32929211; PMCID: PMC7488216.
56. Winhusen T, Theobald J, **Kaelber DC**, Lewis D. Increased morbidity and mortality in hypertensive patients with substance use disorder: electronic health record findings. *Journal of Studies on Alcohol and Drugs*. 2020 Jul;81(4):471-478. doi: 10.15288/jsad.2020.81.471. PMID:32800083.
57. Winhusen T, Theobald J, **Kaelber DC**, Lewis D. The association between regular cocaine use, with and without tobacco co-use, and adverse cardiovascular and respiratory outcomes. *Drug Alcohol Depend*. 2020 Sep 1;214:108136. doi: 10.1016/j.drugalcdep.2020.108136. Epub 2020 Jun 27. PMID: 32623147; PMCID: PMC7423623.
58. Zhou M, Xu R, **Kaelber DC**, Gurney ME. [Tumor Necrosis Factor \(TNF\) blocking agents are associated with lower risk for Alzheimer's disease in patients with rheumatoid arthritis and psoriasis.](#) *PLoS One*. 2020 Mar 23;15(3):e0229819. doi: 10.1371/journal.pone.0229819. eCollection 2020. PMID:32203525.

Books, Book Chapters, Published Letters, Editorials, Invited Manuscripts and Technical Reports

59. **Gunzler D, Sehgal AR**. Time-Varying COVID-19 Reproduction Number in the United States. *medRxiv [Preprint]*. 2020 Apr 15:2020.04.10.20060863. doi: 10.1101/2020.04.10.20060863. PMID: 32511659; PMCID: PMC7277015.
60. **Sehgal A, Gunzler D**. [Column, credited in article] The Number That Will End COVID-19 Pandemic. *Columbus Dispatch* Posted Apr 10, 2020 at 4:16 am.

Invited Presentations

Invited Presentations in 2020

National/International

1. Bolen SD. Practice Facilitation to Get to Goal. American Heart Association Hypertension 2020 Scientific Sessions Annual Conference. Invited virtual panel presentation on strategies for getting your practice to goal. (September 2020)
2. Dunlap M, Hauptman P. Podcast, Journal of Cardiac Failure. Cardiopulmonary Baroreflex Control of Renal Sympathetic Nerve Activity is Impaired in Dogs with Left Ventricular Dysfunction. (March 2020)
3. Dunlap M. Fluid vs. Congestion in Heart Failure: Shifts in Volume, Thinking and Therapeutics: Samuel and Jean Frankel Cardiovascular Center. University of Michigan. Cardiology Grand Rounds. Virtual.
4. Greco PJ. Advance health Maintenance. Epic Systems Corporation Expert Group Meeting, Verona WI. Invited Presentation delivered via Audio Recording. (May 5, 2020)
5. Gunzler D, Muthukrishnan PT. Covid-19 Case Series at Albert Einstein College of Medicine, North Central Bronx Hospital, Bronx, New York and Integrative Medicine Approach in Covid-19 & Chronic Disease, (May 2020)
6. Kaelber D. COSMOS – Observational Research for the Point of Care. Epic Corporation Users' Group Meeting. Virtual. (August 2020)
7. Kaelber D. Informatics in a Post-COVID World. Association of Medical Director of Information Services Annual Meeting. Virtual. (October 2020)
8. Kaelber DC, Hess J, Kunney C. 20 Years with Your EHR – What's Next? Midwest Virtual Healthcare Innovation Summit. Virtual. (August 2020)
9. Kaelber DC, Gathing A. The True Test for Telehealth: The Future is Now. NG Healthcare Summit. Virtual. (June 2020)
10. Kaelber DC, Garrels K, Gallaspie C. On-Call Finder. Epic Corporation eXpert Group meeting. Verona, WI. (May 2020)
11. Kaelber DC. Physician Builder Spotlight – Demonstrating the Value of a Physician Builder Program. Epic Corporation National Webinar. Cleveland, Ohio. (February 2020)
12. Kaelber DC. Hypertension. American Academy of Pediatrics Practical Care of the Adolescent and Young Adult. Phoenix, AZ. (February 2020)

13. Kaelber DC. How to Publish. National Med-Peds Residents' Association National Meeting, Virtual (October 2020)
14. Love TE. Better Health in Northeast Ohio Teaching, Partnership & Discovery. Brown University, Department of Biostatistics. (March 2020)
15. Perzynski AT. Transformation in Multi-Sector Data Sharing Efforts through All In's Network: Measuring Health in a Cleveland EcoDistrict. National Association of County and City Officials (NACCHO 360) Presented Virtually due to Covid-19. (2020)
16. Perzynski AT, Re-Imagining Research on Neighborhoods and Health. University of Illinois Chicago, School of Public Health Seminar Series. (2020)
17. Perzynski AT. National Webinar on Leveraging Health and Housing Linkages in Response to Covid-19. All in Data for Community Health. Panelist (2020)
18. Sehgal A. Should Race be a Part of Glomerular Filtration Rate Estimation? Annals on Call Podcast. (November 3, 2020)
19. Tarabichi Y. Covid-19 Pandemic. Latest Updates and Practical Recommendations from the Frontlines. Syrian American Medical Society (Online) (April 19, 2020)
20. Tarabichi Y. Dissecting Clinical Informatics During a Pandemic. Syrian Medical Society. (Online) (May 28, 2020)
21. Tarabichi Y. An Introduction to Epic's Health Research Network and Cosmos (Presenter and Panelist) Epic Annual User Group Meeting (Moved online due to COVID-19) (August 26, 2020)
22. Tarabichi Y. COVID-19 Vaccine Update. Syrian American Medical Society (Online) (December 16, 2020)

Regional

1. Berg KA. The Privileging of Biological and Behavioral Explanations of Health. Invited Guest Lecture for SASS 500 Community Trauma and Resilience in the Jack, Joseph and Morton Mandel School of Applied Social Sciences, Case Western Reserve University (April 7, 2020)
2. Berg KA. Multilevel Structural Equation Modeling: Concepts and Introduction. Invited Guest Lecturer for SASS 619 Advanced Quantitative Methods: Special Topics (Structural Equation Modeling) in the Jack, Joseph and Morton Mandel School of Applied Social Sciences, Case Western Reserve University. (April 3, 2020)
3. Bolen SD. Population health Research. Oral Presentation. Physical Medicine and Rehabilitation Seminar Series. The MetroHealth System. (October 2020)

4. Bolen SD. Formation and Early Results of a Statewide Cardiovascular Health Collaborative (Cardi-OH) and Hypertension Quality Improvement Project. Case Western reserve University Prevention Center for Healthy Neighborhoods Seminar Series. (November 2020)
5. Caron A. Quality Improvement for Clinicians. University Hospitals, Cleveland, Ohio. (May 12, 2020)
6. Caron A. Foundations of a Culture of Quality. University Hospitals, Cleveland, Ohio. (May 18, 2020)
7. Caron A. Quality Improvement for Clinicians. Prisma Health. (December 3, 2020)
8. Huml A. Transitions of Care Along the Continuum of Kidney Disease. Medical Grand Rounds, Fairview Hospital. The Cleveland Clinic Health System. (March 12, 2020)
9. Love TE. Teaching at a Distance in Interesting Times. MPH Retreat, Department of Population and Quantitative Health Sciences, Case Western Reserve University. (July, 2020)
10. Margolius D, Malone D, Allan T. Cleveland Ward 3 COVID-19 Virtual Town Hall. Cleveland City Council Kerry McCormack's Ward 3. Cleveland, Ohio. (Virtual). (April 29, 2020)
11. Margolius D. HRSA Faculty Development Fellowship: Building Blocks of High-Performing Primary care. NEOMED. Rootstown, Ohio. (Virtual). (September 10, 2020)
12. Margolius D, Kimball B, Allan T. Cleveland Health and Human Services Committee. Cleveland, Ohio via Zoom. (December 7, 2020)
13. Mintz L. Transgender Healthcare. Cleveland Psychoanalytical Society. (2020)
14. Mintz L. Intervening in Harm. Internal Medicine – Pediatrics Faculty MetroHealth. (2020)
15. Mintz L. Bias in Medicine. Case Western Reserve University School of Medicine. (2020)
16. Mintz L. Addressing Social determinants of Health and Health Care Disparity for the Black and Latinx Transgender Communities, as a part of Racial Disparity, Social Justice and the Opioid Crisis. Case Western Reserve University. (2020)

17. Mintz L. Addressing the Concerns of LGBT Youth in Foster Care. Ohio Department of Children and Family Services. (2020)
18. Mintz L. PRIDE Grand Rounds Organizer in Collaboration with Multiple Institutions. 100 hours. (2020)
19. Margolius D, Malone D, Allan T. Cleveland Ward 3 COVID-19 Virtual Town hall. Cleveland City Council Kerry McCormack's Ward 3. Cleveland, Ohio (Virtual). (April 29, 2020)
20. Margolius D. HRSA Faculty Development Fellowship: Building Blocks of High-Performing Primary Care. NEOMED. Rootstown, Ohio (Virtual). (September 10, 2020)
21. Margolius D, Kimball B, Allan T. Cleveland Health and Human Services Committee. Cleveland, Ohio. (Virtual). (December 7, 2020)
22. Perzynski A. Health Disparities and Social Determinants of Health. MetroHealth Medical Center, Department of Pediatrics Residency. (2020)
23. Perzynski A. Health Disparities and Social Determinants of Health. MetroHealth Department of Medicine Residency. (2020)
24. Perzynski A. Health Disparities and Social Determinants of Health. MetroHealth Department of Pathology Residency. (2020)
25. Seeholzer E. Coping During COVID. Rocky River School District via Zoom. (2020)
26. Seeholzer E. Coping During COVID. MetroHealth Human Resource Department. (2020)
27. Sehgal A. How to Conduct Health Disparities Research. Cleveland Clinic Lerner College of Medicine. Cleveland, Ohio. (November 20, 2020)
28. Tarabichi Y. COVID-19, Our Learning Curve. Medicine Grand Rounds, MetroHealth Medical Center. Cleveland, Ohio. (June 19, 2020)
29. Tarabichi Y. The Impact of the Implementation of a Sepsis Early Warning System in the Emergency Department Setting, A Randomized Controlled Quality Initiative. MetroHealth Medical Center, The Population Health Research Institute. Cleveland, Ohio. (October 16, 2020)
30. Thornton JD. Introduction to ARDS. MetroHealth Medical Center, Division of Cardiology. Cleveland, Ohio. (September 24, 2020)

Abstracts and Conference Talks

Abstracts/Conference Talks in 2020

1. Adebambo I, Perzynski A. Teaching Health Disparities Using Case Narratives. National Collaborative for Education to Address the Social Determinants of Health (NCEAS) 2020 Annual Conference Workshop. (April, 2020)
2. Bar-Shain DS, Gibson K, Brackney K, Labbad G. Missing RHIG Administration in Postpartum Women: An Unrecognized Safety Risk. The MetroHealth System: 2nd Annual Patient Safety Awareness Week Poster Competition. Cleveland, Ohio. (March 10, 2020)
3. Bar-Shain D, Kaelber D, Garrels K. A Proposed Scorecard to Prioritize Successful Health Information Exchange Projects. American Informatics Association Clinical Informatics Conference Presentations. Oral Abstract. Virtual (May 21, 2020)
4. Bar-Shain D, Akande A, Clay B, Dean S, Manney S, Tevaarwerk A, Twedt H. Experiences with the PAC Mentorship Program. Physician's Advisory Council: Expert Group Meeting, EPIC Systems Corporation. Verona, WI. (May, 2020) Talk accepted during peer-review process, conference canceled due to COVID-19.
5. Berg KA, Krieger N, Einstadter D, Shamakian L, Dalton J, Perzynski AT. Neighborhood Disadvantage, Cognition & Health Self-Efficacy of Older Adults in a Clinical Population. Gerontological Society of America Annual Scientific Meeting (presented virtually due to Covid-19). (2020)
6. Berg KA, Krieger NI, Einstadter DE, Shamakian L, Dalton JE, Perzynski AT. Neighborhood Disadvantage, Cognition & Health Self-Efficacy of Older Adults in a Clinical Population. Oral Paper. Gerontological Society of America's 72nd Annual Scientific Meeting (GSA) Virtual. (November 2020)
7. Berg KA, Perzynski AT, Krieger NI, Einstadter DE, Dalton JE. Neighborhood Socioeconomic Position and Social Support in a Clinical Population of Older Adults. Poster Presentation at the Gerontological Society of America's 72nd Annual Scientific Meeting (GSA) Virtual. (November 2020)
8. Berg KA, Dalton JE, Gunzler DD, Coulton CJ, Freedman DA, Krieger NI, Dawson NV, Perzynski AT. Exploratory Structural Equation Modeling as a Flexible Approach to Measuring a Neighborhood Risk Index of the Social Determinants of Health. Oral Presentation. 42nd Annual Meeting of the Society for Medical Decision Making (SMDM). Virtual. (October 2020)
9. Berg KA. Neighborhood Self-Efficacy as a potential Mechanism of Resilience Against Adolescent Depressive Symptoms. Oral paper presented at the Society for the Study of Social Problems (SSSP) 70th Annual Meetings. Virtual. (August 2020)
10. Berg KA. Neighborhood Social and Institutional Processes and Adolescents' Depressive Symptoms: The Intervening Role of Neighborhood Self-Efficacy. Poster presented at the Society for Social Work Research (SSWR) 24th Annual Conference. Washington, DC. (January 2020)

11. Berg KA, Evans KE, Bender AE, Boddell M. Toward understanding the Consequences of Parentification: An Integrative Review of Theoretical and Empirical Literature. Poster presented at the Society for Social Work research (SSWR) 24th Annual Conference. Washington, DC. (January 17, 2020)
12. Berg KA, Gearhart MC, Jones C. Juvenile justice Stops and Police-Initiated Post-Traumatic Stress Symptomatology. Poster presented at the Society for Social Work Research (SSWR) 24th Annual Conference. Washington, DC. (January 17, 2020)
13. Berg KA, Kin JY, Olgac T, Salley J, Holmes MR, Bender AE, Voith LA. Children Prenatally Exposed to Intimate Partner Violence: A Systematic Review on Physical and Behavioral Health and Health Care Use. Paper Presented at the Society for Social Work Research (SSWR) 24th Annual Conference. Washington, DC. (January 19, 2020)
14. Berg KA, Evans KE, Lee H, Russell K, Holmes MR, Bender AE, Prince DP. Systematic Review of Adolescent Dating Violence Outcomes Among Youth Exposed to Intimate Partner Violence. Paper presented at the Society for Social Work Research (SSWR) 24th Annual Conference. Washington, DC. (January 16, 2020)
15. Berg KA, Cage JL, Kobulsky J, McKinney S, Holmes MR, Bender AE. The Impact of Exposure to Intimate Partner Violence on Children's Academic Functioning: A Systematic Review. Paper presented at the Society or Social Work Research (SSWR) 24th Annual Conference, Washington, DC.
16. Berg KA, Perzynski AT, Moore SE, Dalton J. Into the Sociome: A Reflection on Combining Biological, Social and Clinical Data to Understand Human Health. Oral paper presented at the American Sociological Association Annual Meetings (ASA) Virtual. (August 2020)
17. Bolen SD, Khoury S, Wright JT, Perzynski AT, Caron A, Rao G, Koroukian S, Solomon GD, Holliday MB, Gardner-Buckshaw SL, Dworken L, Beverly E, Wexler R, Nevar A, Nance M, Albanese S, Wharton DP, Applegate MS, Konstan M. Ohio Cardiovascular Health Collaborative (Cardi-OH) Needs Assessment Results. *Journal General Internal Medicine* 35, 1-779 (2020). S630-631.
18. Bolen SD, Navale S, Prince L, Koroukian S, Menegay M, Einstadter D, Wright JT, Cebul, RD, Perzynski AT, Sullivan C, Lever J, Konstan M, Crane DA, Lorenz A, Spence D, RajanBabu A, Oberly T, Nance M, Albanese S, Wharton DP, Applegate MS. Blood Pressure Medication Patterns of Use in Ohio Medicaid Beneficiaries with Uncontrolled Hypertension. *Journal General Internal Medicine* 35, 1-779 (2020). S45-46
19. Bolen SD, Lever J, Jenkins A, Mundorf C, Love TE, Smith S, Finley M, Daprano J, Johnson E, Masotya M, Lohr ME, Bar-Shain D, Kaelber D, Sumerauer DW, Cebul RD. Addressing the Social Influencers of Health by Connecting Primary Care Clinics to Community Resource Navigation using a Team-based Care Approach. *Journal General Internal Medicine* 35, 1-779 (2020). S630-631.

20. Caron, A. Rajesh, F. How to Evaluate a Learner's Quality Improvement Project. Society of Teacher's in Family Medicine Conference in Practice & Quality Improvement. St. Louis, MO, September 13, 2020.
21. Dalton J, Zidar D, Al-Kindi S, Krieger N, Perzynski AT. Age-Related Variation in Cardiovascular Risk associated with Red Cell Distribution Width. Gerontological Society of America Annual scientific Meeting (presented virtually due to Covid-19) (2020)
22. Greco PJ, Wang C, Siff J, Warren EL, Tarabichi Y. the Impact of a Multi-Pronged Electronic Health record and Patient Portal-Based Intervention to Address Chronic Obstructive Pulmonary Disease (COPD) Overdiagnosis. American Journal of Respiratory and Critical Care Medicine 2020, Volume 201, B15:A2747.
23. Greco PJ, Ruff J. Mammography Bulk Orders: Because Because Because They Work. Epic Systems Corporation User, Verona WI. Audio Recorded. (August 13, 2020)
24. Gunzler D, Knutson JS, Makowski N, Hisel T, Wilson R, Chae J. Contralaterally Controlled Functional Electrical Stimulation of Triceps Improves Recovery of Reachable Workspace after Stroke. American Congress of Rehabilitation Medicine (ACRM). Virtual Conference due to Covid-19 Pandemic. (October 21-23 2020)
25. Gunzler D, De Nadai A, Zamora R. Looking inside the Black Box: New Methods to Assess Causality in Unsupervised Machine Learning. Invited Session, Mental Health Statistics Section, Joint Statistical Meetings, Virtual Platform (August 2020)
26. Gunzler DD, Alden DL, Chen Q, Perzynski AT, Sudano JJ, Berg, K. An Introduction to Structural Equation Modeling for Medical Decision Making Research. Society of Medical Decision Making 42nd Annual Meeting Short Course. (October 13 and 20, 2021)
27. Gunzler DD, De Nadai AS, Zamora RJ. Unsupervised Machine Learning Applications in Mental Health: Promise and Perils. In D.G. Jordan (Chair), Novel Analytic Methods for Clinical Science: Recent Approaches to Modeling Psychopathology.
28. Huml A. Social Needs, Transplant Readiness and Wit List Awareness. American Transplant Congress. Philadelphia, PA. (2020)
29. Kaelber DC, Kurin M, Elangovan A, Alikhan MM, Dulajjan BA, Cooper G. Irritable Bowel Syndrome is Strongly Associated with the Primary Idiopathic Mast Cell Disorders. Digestive Diseases Week. Virtual. Poster. (2020)
30. Kaelber DC, Ruff JM, Greco PJ. Effectiveness of Bulk Disorders & Messages in a Population Health Program. American Medical Informatics Association Annual Symposium. Virtual. Poster. (2020)
31. Kaelber DC, Gadhiya K, Friedlander DE, Zamora E, Emmanuel K, Shrimanker I, Salyed S, Nookala V. Evaluation of Medication Alert Desensitization During

- Residency Training at Two Different Integrated Healthcare Systems. American Medical Informatics Association Symposium. Virtual. Poster. (2020)
32. Kaelber DC, Frintner M, Kirkendall ES, Lehmann CU, Lourie EM. Association of EHR Burden with Work-life Balance and Satisfaction. Pediatric Academic Societies. Virtual. Poster. (2020)
 33. Kaelber DC, Frintner M, Kirkendall ES, Lehmann CU, Lourie EM. US Pediatricians' Perspectives on Reducing Administrative Tasks. Pediatric Academic Societies. Virtual. Poster. (2020)
 34. Kaelber DC, Ullah F, Ross D. Prevalence of Asthma Among 24 Million Pediatric Patients Using Pooled Electronic Health Record Data. Pediatric Academic Societies. Virtual. Poster. (2020)
 35. Kaelber DC, Garrels K, Bar-Shain DS. A Proposed Scorecard to Prioritize Successful Health Information Exchange Projects. American Medical Informatics Association Clinical Informatics Conference. Seattle, WA. (2020)
 36. Kaelber DC, Dhamija Y. Use of Valsartan-Sacubitril in Eligible Systolic Heart Failure Patients. American College of Cardiology Annual Scientific Session and Exposition. Chicago, IL. (Poster) (2020)
 37. Perzynski AT, Berg KA, Krieger N, Einstadter D, Shamakian L, Dalton J. Neighborhood Gerontological Society of America Annual Scientific Meeting. Presented Virtually due to COVID-19.
 38. Perzynski AT, Dalton J, Zidar D, Al-Kindi S, Krieger N. Age-Related Variation in Cardiovascular Risk Associated with Red Cell Distribution Width. Gerontological Society of America Annual Scientific Meeting. Presented virtually due to COVID-19. (2020)
 39. Perzynski AT, Berg KA, Kreiger N, Einstadter D, Dalton J. Neighborhood Socioeconomic Position and Social Support in a Clinical Population of Older Adults. Gerontological Society of America Annual Scientific Meeting. Presented virtually due to COVID-19. (2020)
 40. Perzynski AT, Khoury S, Wright JT, Caron A, Rao G, Koroukian S, Solomon GD, Holliday Mb, Gardner-Buckshaw SL, Dworken L, Beverly E. Ohio Cardiovascular Health Collaborative (Cardi-OH) Needs Assessment Results. Journal of General Internal Medicine. (2020) 35 (sl), S210-S211.
 41. Perzynski AT, Bolen S, Navale S, Prince L, Koroukian S, Menegay M, Einstadter D, Wright J, Cebul RD, Sullivan C, Lever J. Blood Pressure Medication Patterns of Use in Ohio Medicaid Beneficiaries with Uncontrolled Hypertension. Journal of General Internal Medicine. (2020) 35(sl), S45-S46.
 42. Perzynski AT, Bolen S, Navale S, Koroukian S, Persaud H, Menegay M, Einstadter D, Wright JT, Cebul RD, Perzynski AT, Sullivan C, Lever J. Using Innovative Partnerships to Improve BP Control in Ohio Safety Net Primary Care Practices. Journal of General Internal Medicine. (2020) 35(sl), S699-S699

43. Perzynski AT, Berg K, Moore S, & Dalton J. Into the Sociome: A Reflection on Combining Biological, Social and Clinical Data to Understand Human Health. Annual Meeting of the American Sociological Association San Francisco, CA (presented virtually due to Covid-19). (2020)
44. Perzynski A, Weleff J, Krieger NI, Rothber MB, Dawson NV, Phelan M, Einstadter D, Dalton J. Development and Validation of a Mortality Risk Model for Homeless and Housing Insecure Patients. *Academy Health*. Presented virtually due to COVID-19. (2020)
45. Perzynski A, Tlimat A, Riley N, Thornton JD, Tarabichi Y. A Qualitative Analysis of Patient Responses to Lung Cancer Screening Decision Aid in a Safety-Net Healthcare System. In C73. *Thoracic Oncology: Optimizing Lung Cancer Screening, Diagnosis and Surgery* May. (2020) (pp. A5935-A5935) American Thoracic Society.
46. Riley N, Tilmat A, Thornton J, Perzynski A, Tarabichi Y. A Qualitative Analysis of Patient Responses to Lung Cancer Screening Decision Aid in a Safety-Net Healthcare System. *American Thoracic Society Virtual International Conference* (May 2020)
47. Riley N, Greco P, Tarabichi Y, Kaelber D. Improving Clinical Decision Support for Lung Cancer Screening in an Electronic Health Record. *AMIA Virtual Clinical Informatics Conference*. (May 2020)
48. Roach MJ, Volovete J, Stampas A, Kelly M. Blood Alcohol Concentration is Associated with Improved AIS Motor Score After Spinal Cord Injury. *ACRM Annual Meeting* (2020)
49. Roach MJ, Boticello A, Murphy L, Scott M, Wrobey L. Geographic Mobility after Spinal Cord Injury: Implications for Quality of Life. *ACRM Annual Meeting* (2020)
50. Ruff J, Greco P. Bulk Mammogram Orders: Because, Because, Because They Work. *Epic Annual International User Group Meeting*. Madison, WI (2020)
51. Seeholzer E, Nonguierna E, Thomas C, Hopkins L. Comparison of Four-Year Participant Outcomes in a Healthcare Worksite Wellness Program by Job Type. Poster Presentation at Obesity Week for the Annual Meeting of The Obesity Society. November 2020.
52. Seeholzer E, Lewis SA, Flocke SA, Gill TJ, Rose JC, Albert E, Love TE, Kaelber DC. 12-Month Evaluation of an EHR-Supported Staff Role Change for Provision of Tobacco Cessation Care in 8 Primary Care Safety-Net Clinics. *Gen Inter Medicine*. (July 23, 2020)
53. Tarabichi Y, Watts B, Collins T, Margolius D, Avery A, Gunzler D, Perzynski A. SARS-Co V-2 Infection Among Serially Tested Emergency Medical Services Workers. www.Tandfonline.com. (September 29, 2020)

54. Sehgal A. Civil Rights and Equity in the Delivery of Medical and Public Services during the COVID-19 Pandemic in Ohio. Ohio Advisory Committee to US Commission on Civil Rights. Chicago, IL. (July 16, 2020)
55. Siff J, Greco P J, Wang C, Tarabichi Y. The Impact of a Multi-Pronged Electronic Health Record and Patient Portal-Based Intervention to Address Chronic Obstructive Pulmonary Disease (COPD) Overdiagnosis. American Thoracic Society 2020 International Conference. (May 2020)
56. Siff J, Zalar C. Building a Community Collaborative to Reduce Opioid Deaths. Premier Breakthroughs Conference, Nashville, TN (Conference switched to asynchronous meeting via recorded presentations. (July 2020)
57. Thornton JD. From the Sound to the Lake: The Move to End Disparities. University of Washington, Division of Pulmonary. Seattle, Washington. (November 5, 2020)
58. Thornton JD. How to Negotiate a Job and Think About Moving a Research Program. University of Washington, Division of Pulmonary. Seattle, Washington. (November 5, 2020)

Honors, Patents, Awards, Milestones, and Promotions

Honors, Patents, Awards, Milestones, and Promotions in 2020

Bar-Shain, D

- America's Best Doctors, 2020
- 3rd Place Poster Award. The MetroHealth System: 2nd Annual Patient Safety Awareness Week Poster Competition, March 10, 2020

Caron, A

- Harvard Macy Health Professions Education Program Faculty
- Women@Metro Leadership Development Scholarship

Gunzler, D

- Winner of 2020 Stroke ISIG Outstanding Scientific Poster Award for Poster #858332 Knutson JS, Makowski N, Harley M, Hisel T, Gunzler D, Wilson R, Chae J. Contralaterally Controlled Functional Electrical Stimulation of Triceps Improves Recovery of Reachable Workspace After Stroke

Leon, J

- Assistant Professor of Medicine, Case Western Reserve University, 2020

Love, T

- Director, Biostatistics and Data Sciences Division, Population Health Research Institute.

Mintz, L

- Assistant Professor, Case Western Reserve University, School of Medicine, 2020

Seeholzer, E

- 2020 MetroHealthy Employee Wellness Initiative was a C. Everett Koop National Health Award Honorable Mention Recipient

Siff, J

- Professor, Emergency Medicine, Case Western Reserve University, School of Medicine, July 2020

Research Trainees

**POPULATION HEALTH RESEARCH INSTITUTE
RESEARCH TRAINEES IN 2020**

Trainee	Degree Sought	Training Period	Thesis/Dissertation/Project Title	Current Position/Institution & Funding Source	Role in Training
Bar-Shain, David					
Kristina Garrels, MD	Certificate in Clinical Informatics	2018-2020	Prioritizing Different Channels of Health Data Exchange	Clinical Informatics Fellow, The MetroHealth System	Assistant Program Director and Research Mentor
Rubayet Hossain, MD	Certificate in Clinical Informatics	2020-Pres.	Fellowship in Clinical Informatics	Clinical Informatics Fellow, The MetroHealth System	Assistant Program Director
Gabriel Labbad, MD	Certificate in Clinical Informatics	2018-2020	Alerting to Ensure Timely Anti-D Prophylaxis of Post-Partum Women	Clinical Informatics Fellow, The MetroHealth System	Assistant Program Director and Research Mentor
Jessica Ruff, MD	Certificate in Clinical Informatics	2019-Pres.	Fellowship in Clinical Informatics	Clinical Informatics Fellow, The MetroHealth System	Assistant Program Director and Research Mentor
Fang Zhao, MD	Certificate in Clinical Informatics	2020-Pres.	Fellowship in Clinical Informatics	Clinical Informatics Fellow, The MetroHealth System	Assistant Program Director
Bolen, Shari					
* Daniel Rotroff	N/A	2019-2020	Exploiting Longitudinal Data to Identify Complex Disease Subtypes with Modified Risk of Adverse Outcomes	KL2 Scholar - CTSA	Career Mentor
† David Hu	MD	2020-Pres.	Food as Medicine Clinic Evaluation	Medical Student, Case Western Reserve University	Research Mentor
† Anna Cherian	MD	2020-Pres.	Food as Medicine Clinic Evaluation	Medical Student, NEOMED	Research Mentor
Caron, Aleece					
Matthew Baltes, MD	NA	2018-Pres.	Improving Rates of Flu Vaccines in a Primary Care Population	Family Medicine; PCTE HRSA Grant	Faculty Mentor
<u>Assim AlAbdulkader, MD</u>	NA	2019-Pres.	Improving Colorectal Cancer Screening Among Adults Ages 50-74	Geriatrics; PCTE HRSA Grant	Faculty Mentor

* KL2 Scholar † Medical Student †† CRSP Scholar

Trainee	Degree Sought	Training Period	Thesis/Dissertation/Project Title	Current Position/Institution & Funding Source	Role in Training
Francesca Russo	NA	2020-Pres.	Telehealth Adoption: Challenges and Opportunities from the Lens of Academic Primary Care	Undergraduate Student	Faculty Mentor
Lauren Krieger, MD	NA	2019-Pres.	Improving Cervical Cancer Screening for Refugees	Neighborhood Family Practice; PCTE Champions HRSA Grant	Faculty Mentor
Claude Jones, MD	NA	2019-Pres.	Diabetes Group Visits	Care Alliance; PCTE Champions HRSA Grant	Faculty Mentor
Emma Pronovost	NA	2020-Pres.	Improving Rates of Flu Vaccines in a Primary Care Population	Undergraduate Student	Faculty Mentor
Ines Del Cuebas-Rolon, MD	NA	2018-Pres.	Improving Oral Health Screenings in a Pediatric Hispanic Patient Population	Pediatrics; PCTE HRSA Grant	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	Geriatrics	Faculty Mentor
Einstadter, Douglas					
† Joseph T. Tanenbaum	MD/PhD	2013-2020	Ambulatory Care Sensitive Cardiovascular Hospitalizations: Effects of Patient-Centered Medical Homes	Resident, Orthopedic Surgery, Northwestern U., Chicago, IL	Research Advisor; Member Dissertation Committee
Mark Dunlap, MD	MPH	2019–2020	Improving the Care of Patients with CHF	Physician, The MetroHealth System	Member, Thesis Committee
†† Caroline El Sanadi	PhD	2018-2021	Modeling the Best 2 nd line Therapy for Persons with Type-2 Diabetes	Clinical Research Scholars Program, Case Western Reserve University	Chair, PhD Committee
†† Julijana Conic	MS	2018–2020	Cardiac MRI to Predict Ischemic Mitral Regurgitation	Resident, Internal Medicine, LSU, New Orleans, LA	Chair, Thesis Committee
Jack McDonnell, MD	MS	2019-Pres.	Role of Social Determinants in Ohio's Infant Mortality Problem	Fellow, Allergy and Immunology, CCF	Faculty Advisor
Greco, Peter					
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

* KL2 Scholar † Medical Student †† CRSP Scholar

Trainee	Degree Sought	Training Period	Thesis/Dissertation/Project Title	Current Position/Institution & Funding Source	Role in Training
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
Jessica Ruff, MD	Certificate in Clinical Informatics	2019-Pres.	Fellowship in Clinical Informatics	Clinical Informatics Fellow, The MetroHealth System	Assistant Program Director for Fellowship in Clinical Informatics
Gabriel Labbad, MD	Certificate in Clinical Informatics	2018-2020	Fellowship in Clinical Informatics	Clinical Informatics Fellow, The MetroHealth System	Assistant Program Director for Fellowship in Clinical Informatics
Kristina Garrels, MD	Certificate in Clinical Informatics	2018-2020	Fellowship in Clinical Informatics	Clinical Informatics Fellow, The MetroHealth System	Assistant Program Director for Fellowship in Clinical Informatics
Gunzler, Douglas					
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
Huml, Anne					
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
Hussain Karimi, MD	N/A	2019-Pres	Systematic Review About Transitions of Care	Internal Medicine Resident, Cleveland Clinic	Research Mentor
Liza Cholin, MD	N/A	2020-Pres	The Impact of Novel Social Factors on	Nephrology Research Fellow/Cleveland	Primary Mentor

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Trainee	Degree Sought	Training Period	Thesis/Dissertation/Project Title	Current Position/Institution & Funding Source	Role in Training
			Living Kidney Donation	Clinic Glickman Urological and Kidney Institute, CWRU Nephrology Training Grant T32DK007470	
Kaelber, David					
Jessica Ruff, MD	Certificate in Clinical Informatics	2019-Pres.	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
† Jane Hinckle	MD	2020-Pres	Using Big Data for Discover	CWRU Medical School Student	Research/Thesis Mentor
Kelly, Michael L.					
† Samuel Stanley	MD	2018-2022	Regional and National Discharge Patterns in Patients with TBI and SCI	CWRU Medical Student	Research Advisor
† Evelyn Truong	MD	2018-2022	ICP Monitoring Rate Variation in Severe TBI Across the United States	CWRU Medical Student	Research Advisor
† Belinda DeMario	MD	2018-2022	Withdrawal of Care Practices in Severe TBI Across the United States	CWRU Medical Student	Research Advisor
Berje Shammassian, MD	N/A	2013-2021	Applications of ROTEM and TEG in TBI	UH Neurosurgery Chief Resident	Research Advisor
Love, Thomas					
Joseph Hnath, BS	MPH	2019-2020	Evaluating the Effects of State-Level Policies on Access to Abortion Services	Department of Population and Quantitative Health Sciences, CWRU	MPH Capstone Committee Member
Roberto Martinez, MS	PhD	2019-Pres.	Implementation Science and the FreshLink Ambassador Program	Department of Population and Quantitative Health Sciences, CWRU	Dissertation Committee Member
†† Joe Zein, MD, MS	PhD	2017-2020	Gender Differences in Severe Asthma	Clinical Research Scholars Ph.D. Program (CRSP) Scholar	Dissertation Committee Member

* KL2 Scholar † Medical Student †† CRSP Scholar

Trainee	Degree Sought	Training Period	Thesis/Dissertation/Project Title	Current Position/Institution & Funding Source	Role in Training
Jenny Jingyi Feng, MD	MS	2019-2020	Depression in Multiple Sclerosis is Associated with Worsening Disease	Clinical Research Scholars MS program (CRSP) Scholar	MS Thesis Committee Member
Ebtesham Alshehri, MD	MS	2019-2021	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
Mintz, Laura					
Alyson Auriemma	MD	2019–2020.	LGBT Medical School Inclusion Project and Medical School Implicit Bias Survey	Case Western Reserve University School of Medicine	Research Mentor
Guangjin Zhou	PhD	2019–Pres.	HIV and Cancer Disparities	Case Western Reserve University School of Medicine	Dissertation Committee Member
Nicole Ducich	MD	2019–2020	LGBT Medical Education Inclusion Project	Case Western Reserve University School of Medicine	Research Mentor
Alyson Auriemma	MD	2019–2020	LGBT Medical Education Inclusion Project	Case Western Reserve University School of Medicine	Research Mentor
Amber Estes	MD	2019–2020	LGBT Medical Education Inclusion Project, Chronic Pain in Sex and Gender Minorities	Case Western Reserve University School of Medicine	Research Mentor
Ashley Estes	MD	2020	LGBT Medical Education Inclusion Project	Case Western Reserve University School of Medicine	Research Mentor
Mona Chavan	MD	2019–2020	LGBT Medical Education Inclusion Project	Case Western Reserve University School of Medicine	Research Mentor
Maria Moncaliano	MD	2019–2020	LGBT Medical Education Inclusion Project	Case Western Reserve University School of Medicine	Research Mentor
Lesley Summerville	MD	2019–2020	HPV in Sexual Minority Women	Case Western Reserve University School of Medicine	Research Mentor
Chioma Elechi	MD	2019–2020	HPV in Health Professional Training	Case Western Reserve University School of Medicine	Research Mentor

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Trainee	Degree Sought	Training Period	Thesis/Dissertation/Project Title	Current Position/Institution & Funding Source	Role in Training
Perzynski, Adam					
Ann Huml, MD		2011-Pres.	Kidney Transplantation Health Disparities	Nephrologist, University Hospitals, Researcher, The MetroHealth System	Research Mentor
Anita Misra-Hebert, MD		2014-Pres.	Primary Care Team Transformation	General Internist, Cleveland Clinic	Research Mentor
Bode Adebambo, MD		2012-Pres.	Health Disparities Education and Research	Attending Physician in a Faculty Development Program at The MetroHealth System	Career and Research Mentor
Jimmy Yao	MD	2018-Pres.	Neighborhood Disadvantage and Well Child Care	Medical Student, Case Western Reserve University	Research Mentor
June-Yung Kim	PhD	2017-Pres.	Variations in the Co-occurrence of Mental Health Problems in Adolescents with Prenatal Drug Exposure	PHD Student, Case Western Reserve University MSASS	Research Mentor/Dissertation Committee
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
Kristen Berg	PhD	2016-Pres.	Neighborhood Social Processes and Adolescents' Cross-Context Self-Efficacy Across Time	Post-Doctoral Scholar, The MetroHealth System	Research Mentor
Wyatt Bensken	PhD	2019-Pres.	Chronic Conditions Among the Homeless	PhD Student, CWRU PQHS	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
Riley, Nicholas					
Jessica Ruff, MD, MA, MSPH	Certificate in Clinical Informatics	2019-Pres.	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
Roach, Mary Jo					
Maria Grabnar, MD	N/A	2020	The Affect of Lavender on Pain and Anxiety Associated with Lumbar Epidural Steroid Injections and Lumbar Medial Branch Blocks	PM&R Resident, MetroHealth System	Research Advisor
Elizabeth Twist, MD	N/A	2020	Aging with TBI	PM&R Senior Resident, MetroHealth System	Research advisor
Seeholzer, Eileen					
Elodie Louisiane de Ju Nonguierma, MPH	MPH	2019-2020	Comparison of Four-Year Participant Outcomes in a Healthcare Worksite Wellness Program by Job Type	Baldwin Wallace College	Capstone Faculty Mentor
Laura Shefner, MD	NA	2019-Pres.	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
Doug Van Auken, MD	NA	2019-2020	Patient Survey to Assess an Office Tool to Assist in Communication for Patients in Process of Gender Transition	Family Medicine; PCTE HRSA Grant	Faculty Mentor
Francesca Russo	NA	2020	Patient Survey to Assess an Office Tool to assist in communication for patients in process of gender transition	Intern, PCTE HRSA Grant	Faculty Mentor

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Trainee	Degree Sought	Training Period	Thesis/Dissertation/Project Title	Current Position/Institution & Funding Source	Role in Training
Gina Riccardi, MD	N/A	2018-Pres.	The Role and Effectiveness of Intensive Behavioral Weight Loss Programs in Obese Adults and Children (Senior Grand Rounds) Urban and Suburban Weight Loss: Evaluation of STRIDES, a Weight Loss; Program at Primary Care Clinics. (national poster)	Division of Medicine	Faculty Mentor
Katherine Lyons, MD	N/A	2018-Pres.	Outcomes of Patients with Diabetes Attending a Weight Management Clinic in an Academic Safety-net System	UH/VA Primary Care Medical Resident	Faculty Mentor
Amber Olson	MD	2021	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-Present	Leadership and Improvement Work for ND Requirements	Internal Medicine, The MetroHealth System; University of Akron ND candidate	Faculty Mentor
Siff, Jonathan					
Jessica Ruff, MD	Certificate in Clinical Informatics	2019-Pres.	Fellowship in Clinical Informatics	Clinical Informatics Fellow, The MetroHealth System	Assistant Program Director for Fellowship in Clinical Informatics
Gabriel Labbad, MD	Certificate in Clinical Informatics	2018-2020	Fellowship in Clinical Informatics	Clinical Informatics Fellow, The MetroHealth System	Assistant Program Director for Fellowship in Clinical Informatics
Kristina Garrels, MD	Certificate in Clinical Informatics	2018-2020	Fellowship in Clinical Informatics	Clinical Informatics Fellow, The MetroHealth System	Assistant Program Director for Fellowship in Clinical Informatics
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

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Trainee	Degree Sought	Training Period	Thesis/Dissertation/Project Title	Current Position/Institution & Funding Source	Role in Training
Eric Reed	Residency in EM	2018-Pres.	Opioid Peer Support Program Impact in Emergency Department	Emergency Medicine Resident, CWRU	Faculty Co-mentor
Tarabichi, Yasir					
† Jimmy Yao	N/A	2020	A Study on Socioeconomic Distress as a Predictor of Missed First Outpatient Newborn Visits	Case Western Reserve University Medical Student	Research Mentor
† 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 Hussein, 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
Sali Merjanah, MD	N/A	2019-2020	Studied Risk of Malignancy in Ankylosing Spondylitis with an Aggregated Database	Internal Medicine, The MetroHealth System	Research Mentor
Sarah Kamionkowski, MD	N/A	2020	Studying Sub-classes of Ineffective Esophageal Motility Using Various Data Self-service Platforms	Internal Medicine, The MetroHealth System	Research Mentor
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

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Trainee	Degree Sought	Training Period	Thesis/Dissertation/Project Title	Current Position/Institution & Funding Source	Role in Training
Gurinder Kumar, MD	N/A	2020-2021	Studying Gun-shot Wound Outcomes Along Socioeconomic Strata	Pediatrics, The MetroHealth System	Research Mentor

* KL2 Scholar † Medical Student †† CRSP Scholar

Courses and Lectures Delivered

Courses and Lectures Delivered in 2020

Case Western Reserve University

College of Arts & Sciences	PHRI Course Directors	Other PHRI Lecturers
SAGES Program: Homelessness in the United States		A. Perzynski
School of Medicine		
EPBI 510: Health Disparities	A. Perzynski	
Block 1: Becoming a Doctor		D. Einstadter
Block 3: Food to Fuel		E. Seeholzer
Physician Assistant program: Intro to Evidence Based Medicine		D. Einstadter
Pulmonary Edema & ARDS		Y. Tarabichi
School of Graduate Studies		
CRSP 401: Introduction to Clinical Research	D. Einstadter	D. Gunzler D. Kaelber S. Lewis T. Love A. Perzynski
CRSP 402: Epidemiology and Study Design	D. Einstadter	
CRSP 406: Introduction to R Programming	S. Lewis	
CRSP 500: Methods in Observational Studies	T. Love	
School of Applied Social Sciences		
SASS 500: Community Trauma and Resilience		K. Berg
SASS 619: Advanced Quantitative Methods: Special Topics		K. Berg

Other

Society of Medical Decision Making Workshop:
An Introduction to Structural Equation Modeling
for Medical Decision Making Research

D. Gunzler
J. Sudano
A. Perzynski
K. Berg

University Hospitals Health System, Department of
Neurology Residency Program:
Introduction to Clinical Research Course

D. Einstadter

Select Internally Funded Collaborative Projects

Select Internally Funded Collaborative Projects in 2020

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 in progress) 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.
First Responder Serology Study	In partnership with MH clinical operations and City of Cleveland Fire and EMS, we conducted and published the first ever prospective study of antibody and PCR SARS-CoV-2 infection among first responders. Published as: https://www.tandfonline.com/doi/full/10.1080/10903127.2020.1831668	Project involved deep coordination and collaboration between clinical teams conducting field testing, scheduling, informatics teams, research investigators, legal and IRB personnel and community partners. The shared goal was to better understand SARS-CoV-2 infection risks faced by first responders and those they serve.	Perzynski A (PI), Tarabichi Y, Watts B, Collins T, Margolius D, Avery A, Gunzler, D.
MH COVID-19 Hotline Study	In partnership with MH clinical operations and the population health innovation institute, we conducted and published the first ever effectiveness study of a physician-directed COVID-19 hotline. Accepted online first version: https://www.jabfm.org/sites/default/files/COVID_20-0237.pdf	This project involved coordination and collaboration with administrative personnel, clinicians at all levels, statisticians, informaticists and researchers toward the goal of reducing the burden of COVID-19 in our community.	Perzynski A & Margolius D (PI's), Hennekes M, Yao J, Einstadter D, Gunzler D, Chehade N, Sehgal A, Tarabichi Y
MH COVID-19 Registry	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	This project involved coordination and collaboration between legal and IRB representatives, critical care and infectious disease clinicians, informatics	Tarabichi Y & Perzynski A (PI's), Lewis M, Wang, Kotekal D, Einstadter D, Roy A, Kumar G

	<p>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 >300 international sites are participating. The first publication acknowledging MetroHealth's participation is now available: doi: 10.1097/CCM.0000000000004879</p>	<p>personnel, EHR data experts and researchers.</p>	
<p>Social Needs Screening Interim Evaluation</p>	<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>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.</p>	<p>Perzynski (PHRI lead), Berg K, Misak J, Fuehrer S, Silvers B, Chagin K, Frech R, Cook K</p>
<p>Assessing the reproduction number of COVID-19</p>	<p>The goal of the project was to model and determine early in the pandemic the reproduction number of COVID-19 before and after lockdown measures were taken.</p>	<p>The project involved collaboration between researchers at PHRI toward the goal of reducing the burden of COVID-19 in our community.</p>	<p>Gunzler D, Sehgal A</p>
<p>Neighborhood Environmental Barriers for persons with a spinal cord injury</p>	<p>A case study to determine the feasibility of using a body cam mounted onto a wheelchair to capture audio, video, and GPS mapping of a neighborhood as a person in a wheelchair participates in their community. (Methods manuscript is in progress and grant proposal submitted to the National Institute for Disability, Independent Living and Rehabilitation Research)</p>	<p>The project involved collaboration with Dr. Andrew Curtis at CWRU and a member of the spinal cord injury (SCI) community organization, United Spinal Northeast Ohio. The project is seeking to understand the barriers to community participation that affect the health of persons with a traumatic SCI. Persons with SCI are one of our most vulnerable populations MetroHealth serves.</p>	<p>Roach M (PHRI lead)</p>

Aging with TBI	This project conducted telephone interviews with elderly (>65 years old) traumatic brain injury (TBI) survivors to determine problems they are facing while aging with TBI. (Presentation at AAP Annual meeting has been accepted)	This project involved coordination between social scientists and PM&R clinicians seeking to better describe and understand how MetroHealth can help to meet the social and clinical needs of one of our most vulnerable community members; Elderly persons with a TBI.	Roach M (PHRI lead) Whitehair V, Twist E
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Service Roles

Service Roles in 2020

National/International

Bar-Shain, D

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

Journal of Adolescent Health. Ad Hoc Peer Reviewer, 2018-present

Epic Systems Corporation

- Chairman and Founder, Epic Physician's Advisory Council Mentorship Program, 2019-present
- Member, Immunization Scheduling Experts Discussion Group, 2016-present
- Member, Epic Primary Care Pediatrics Steering Board, 2016-present
- Member, Health Maintenance Brain Trust, 2019-present
- Member, Epic Children's Health Steering Board, 2019-present
- Member, Advisory Panel Epic Health Maintenance Brain Trust, 2019-present
- Member, Advisory Board for all of children's health, Epic Children's Health Steering Board, 2019-present
- Member, Epic Primary Care Pediatrics Steering Board, Epic Systems Corporation, 2016-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 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-present

Society of General Internal Medicine. Member, 2001-present

- Member, Abstract Review Committee, 2010-present

Reviewer

Service Roles – 2020 (Continued)

- *Preventive Medicine*, 2019-present
- *Journal of General Internal Medicine*, 2013-present

Centers for Disease Control and Prevention

- Hypertension Roundtable Member, 2019-present

Caron, A

Association of Medical Colleges (AAMC).

- Past Chair, Group on Educational Affairs, 2018-2020
- Scientific Abstract Reviewer, Learn Serve Lead Review Committee, 2018-present

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

Einstadter, D

Society of General Internal Medicine. Member, 1990-present

American College of Physicians. Fellow, 2000-present

Greco, P

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

American Medical Informatics Association. Reviewer, 2020 Clinical Informatics Conference, 2019

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

Annals of Internal Medicine. Reviewer, 2020

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, 2014-2020
- Member, Sections in Health Policy Statistics, Mental Health Statistics, Social Statistics and Statistics in Epidemiology, 2011-present

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

National Joint Statistical Meetings

- Organizer, Unsupervised Learning with Latent Variables for Biobehavioral Research

Service Roles – 2020 (Continued)

Invited Papers, Mental Health Statistics Section, 2020 virtual meeting.

Peer Reviewer

- *PLOS ONE*
- *Annals of Internal Medicine*
- *Multiple Sclerosis and Related Disorder*
- *Health Services and Outcomes Research Methodology*
- *AIDS and Behavior*
- *Journal of Clinical Medicine*
- *Infectious Disease Modelling*
- *Scientific Reports*

Huml, A

American Society of Nephrology. Member, 2010-present

Peer Reviewer

- *American Journal of Kidney Disease*
- *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

Med-Peds Journal. Founding Editorial Board Member, 2020-present

Service Roles – 2020 (Continued)

Journal Peer Reviewer for over 35 different PubMed referenced journals

Kanuch, S

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

Kauffman, K

The Journal of the American Psychiatric Nurses Association. Peer Reviewer

The International Journal of Psychiatry in Medicine. Peer Reviewer

Kelly, Michael L.

American Association of Neurological Surgeons (AANS). Member, 2008-present

Congress of Neurological Surgeons (CNS). Member, 2008-present

AANS/CNS Section on Neurotrauma and Critical Care. Member, 2017-present

World Neurosurgery. Neurotrauma Section Editor, 2015-present

Neurological Research. Reviewer, 2018-present

Leon, J

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

Mintz, L

American College of Physicians. Member

American Academy of Pediatrics. Member

World Professional Association for Transgender Health. Member

American Academy of HIV Medicine. Member

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

Service Roles – 2020 (Continued)

- *The Gerontologist*, 2002-present
- *Journal of the American Medical Informatics Association*, 2020-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

- 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

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

American College of Surgeons Trauma Guideline Committee. Member, Rehabilitation Section, 2019-2020

Ruff, J

American Medical Informatics Association. Member, 2019-present

- Member, Finance and Investment Committee, 2020-present
- Peer reviewer of meeting submissions, 2020-present
- Vice-president, Association of Clinical Informatics Fellows, 2020-present
- Fellow Representative, Clinical Informatics Community of Practice, 2020-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

Service Roles – 2020 (Continued)

- International Research Forum submission reviewer for Informatics and Educational Submissions, 2017-present
- Faculty Moderator, International Research Forum, 2018-2020
- 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

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

American Thoracic Society. Member, 2012-present

American Medical Informatics Association. Member, 2019-present

Manuscript Reviewer (Ad-hoc)

- *Medical Decision Making*
- *Chest*

Society of Critical Care Medicine

- Member, Practical EMR Export Pathways (PEEP): Discovery Automation Pilot, 05/2020-present
- Member, Viral Infection and Respiratory Illness Universal Study (VIRUS): COVID-19 Registry Investigator Group, 05/2020-present

Annual Medical Informatics Association Conference(s). Conference Abstract Reviewer, 2020-present

Thornton, J

American Thoracic Society

- Vice Chair, Planning and Evaluation Committee
- Member, Minority Trainee Development Scholarship Committee, 2014-present
- Member, Survey Screening Committee, 2020
- Chair, Behavioral Sciences and Health Services Research Assembly Nominating Committee, 2020
- 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

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

Service Roles – 2020 (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 Scholarly Activity Project, 2016-present

Better Health Partnership. Chief Medical Informatics Officer, 2018-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

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-present

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-present
- Member, Population Health Innovation Institute, 2016-present
 - Member, Social Determinants of Health Subcommittee, 2018-present
 - Member, Diabetes Leadership Council, 2020-present

Caron, A

Central Group on Educational Affairs (regional AAMC). Co-Chair, Improvement Special Interest Group, 2010-present

Family Medicine Educational Consortium (FMEC). Poster Session Coordinator, Planning Committee, 2015-present

Case Western Reserve University. Member, Admissions Committee, Physician Assistant Program, 2020-present

The MetroHealth System

Service Roles – 2020 (Continued)

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

Dunlap, M

Case School of Medicine, Department of Physiology and Biophysics

- Teaching, Physiology 461 Medical Physiology, 2011-present
 - Regulation of Arterial Pressure and Cardiac Output
 - Hypertrophy/heart failure/hypertension
- Third year Medical Student Group Teaching, Sciences and Art of Medicine Integrated (SAMI), 2019-present

The MetroHealth System and Case Western Reserve University

- ECG teaching, 2014-present

The MetroHealth System

- Co-Chair, CHF Care Standards Committee, 2017-present
- Chair, Fellowship Program Evaluation Committee, Heart and Vascular Center, 2018-present
- Member, Research Conflict of Interest Committee, 2019-present
- Chair, Disease Specific Certification-Heart Failure Task Force, 2019-present
- Member, Telehealth Solutions Operational Committee, 2019-present
- Member, Heart and Vascular Mortality Review Committee, 2019-present
- Member, Task Force on Consultants writing orders, 2020-2021

Einstadter, D

University Hospitals Health System, Department of Neurology Residency Program.
Lecturer, Introduction to Clinical Research Course

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

Service Roles – 2020 (Continued)

- 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
 - NIH R21: Improving Medication Adherence in Hypertensive Individuals with Bipolar Disorder (Levin, PI). 2017-present

Case Western Reserve University, Clinical Translational Science Consortium

- Reviewer of applications for the CWRU COVID-19 Pilot Grant Program, Cleveland, June-July, 2020
- 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
- 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

- 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

Case Western Reserve University. Chairperson, Review Panel, Mini Grants for Student/Trainee Health Activism Projects, 2019-present

MetroHealth Chester Scholars Selection Committee. Member, 2016-present

Kaelber, D

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

Service Roles – 2020 (Continued)

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
- 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

Kauffman, K

MetroHealth Advanced Practice Provider Council. Member, 2018-present

- Co-Chair, 2020-present
- Legislative Committee Member, March 2019-present
 - Chair, 2020

Kelly, Michael L.

The MetroHealth System

- Committee Member, Department of Bioethics, 2019-present
- Director of Quality & Patient Safety, Department of Neurosurgery, 2017-present
- Adult Neurotrauma Committee Liaison for Patient Safety and Quality, 2015-present

Leon, J

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

Love, T

Case Western Reserve University

- Lead, Health Care Analytics Track, MS program in Epidemiology & Biostatistics, Department of Population and Quantitative Health Sciences, 2015-present
- Member, Faculty Senate Committee on Faculty Compensation, 2019-present
- Member, Faculty Senate Committee on Fringe Benefits, 2019-present

Service Roles – 2020 (Continued)

The MetroHealth System

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

Mintz, L

ATNSC Center for Healing and Creative Leadership. Board Member Emeritus

Case Western Reserve University School of Medicine

- Faculty Advisor, CaseMed PRIDE, 2019-present

The MetroHealth System, Internal Medicine-Pediatrics

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

Perzynski, A

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

InSpirit. Founding Advisory Board Member, 2017-present

Case Western Reserve University. Population Quantitative Health Sciences.

- Judge, Practicum Poster Competition, Masters in Public Health Program, 2018-2020

The MetroHealth System. Committee on Appointments, Promotion and Tenure, 2019-present

MetroHealth Research

- 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

- Member, Section 2019-present

Case Western Reserve University

- Course Instructor, Spinal Cord Injury from the Time of Injury to Community Participation, 2014-present

MetroHealth Medical Center

- Member and Co-Chair, The MetroHealth Green Team, 2011-present

Service Roles – 2020 (Continued)

Ruff, J

The MetroHealth System, Clinical Informatics

- Adult Primary Care Associate Director of Informatics
- Member, Biomedical Informatics Committee, 2019-present
- Member, Clinical Informatics Leadership Committee, 2019-present

The MetroHealth System, Internal Medicine

- Clinical Instructor, Department of Internal Medicine

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

- Gastric Bypass Absorption Appetite and Medical Effects, Block 3; Food to fuel core teaching lecture and clinical correlation with patients, 2010-present

The MetroHealth System

- Staff Physician, Department of Internal Medicine, 1999-present
- Medical Director, Adult Weight Loss Surgery and Weight Management Center, 2015-present
- Medical Director, The MetroHealth Select Workplace Population Health Team, 2016-present
- Medical Director, MetroHealthy Employee Wellness Initiative, 2011-present
- Member, Privacy Board, 2016-present (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
- Sustainability Advisory Committee, 2018-present
- Chair/Facilitator, Population Health Institute Tobacco Cessation Committee, 2018-present
- Preceptor in Weight Management Clinic, Primary Care and Behavior Health Residents and Endocrinology Fellows, Post Graduate Observers, 2005-present
- Clinic 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
- Master of Public Health Candidate Mentor for the MetroHealthy Employee Wellness Program, Elodie Louisiane de Ju Nonguierma, Baldwin Wallace College, 2019-2020

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

Ohio CMIO Epic Collaborative. Member, 2015-present

The MetroHealth System

- Co-Chair, Technology Security Steering Committee, 2019-present

Service Roles – 2020 (Continued)

- 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

Case Western Reserve University, School of Medicine

- Lecturer, Pulmonary Edema & ARDS. Annually recurring medical student lecture, 2016-2021

The MetroHealth System

- Lead, Lung Cancer Clinical Practice Guidelines Committee, 2019-2020
- Member, Medical Bioinformatics Committee, 2015-present
- Member, SlicerDicer (an Electronic Health Data Self-Service Tool) Committee, 2018-present
- Lead, Sepsis Measures Quality Improvement Committee, 2019-present
- Lead, Clinical Informatics Research Optimization Committee, 2019-present
- Member, Data Governance Committee, 2019-present
- Member, Outpatient and Inpatient Telehealth Implementation Committees, 2020
- Lecturer, Self-Service and Health Data Literacy. Fellow lecture administered to Clinical Informatics and Pulmonary Fellows, 2019-2021
- Resident Lecture, Introduction to Interstitial Lung Disease, Division of Medicine, 2017-2021
- Lecturer, Multidisciplinary Interstitial Lung Disease Conference. Monthly, 2020

Thornton, J

Lifebanc. Board of Directors, 2013-present

Cleveland Minority Organ Tissue Transplant Education Program (MOTTEP)

- Advisory Board, 2005-present
- Vice Chair, Board of Directors 2020

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