

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

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

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

K. Berg  
D. Gunzler  
A. Perzynski

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

D. Gunzler  
A. Perzynski

## Unfunded Projects

Adam: Also, now that I've looked at this there is another unfunded research collaboration that resulted in a publication; I think Daryl was lead:

[A Cross-Sectional Study of SARS-CoV-2 Vaccination Among Employees of an Urban Safety-Net Health Care System - PubMed \(nih.gov\)](#)

Name of unfunded project/activity	Brief description of project/activity	How does this contribute to PHRI vision/mission and align with population health operations or research institute?	PHRI Investigators and PHRI lead (list format: last name, first initial)
Examples: Food as Medicine Clinic Evaluation	Led evaluation (paper submitted) for the MetroHealth I4HOPE Food as Medicine Clinic. The Food as Medicine clinic helps provide tailored food to patients with food insecurity and high-risk medical conditions. The goal of the project is to determine if addressing food insecurity in a hospital-based food pantry will improve health behaviors and outcomes.	Addressing food insecurity is a high priority for I4HOPE and may lead to improved dietary behaviors and health outcomes	Bolen S (PHRI lead), Einstadter D, Gunzler D
MH COVID-19 Registry	In partnership with hospital clinical teams, medical students and other trainees a team of researchers developed an MHS research registry of COVID-19 patients compatible with (and contributing to) international collaborations, most notably the VIRUS Registry being coordinated by the Society for Critical Care Medicine. The team also contributed to one of the first automated data approaches for extraction, transformation and sharing of EHR data on COVID-19 patients. More than 65,000 patients at >300 international sites are participating.	This project involved coordination and collaboration between legal and IRB representatives, critical care and infectious disease clinicians, informatics personnel, EHR data experts and researchers.	Tarabichi Y & Perzynski A (PI's), Lewis, Wang, Kotekal, Einstadter D, Roy, Kumar

	<p>Project resulted in 2 publications:</p> <p><a href="#">Metabolic Syndrome and Acute Respiratory Distress Syndrome in Hospitalized Patients With COVID-19 - PubMed (nih.gov)</a></p> <p><a href="#">Outcomes of Patients with Coronavirus Disease 2019 Receiving Organ Support Therapies: The International Viral Infection and Respiratory Illness Universal Study Registry - PubMed (nih.gov)</a></p>		
Social Needs Screening Interim Evaluation	<p>Clinicians and personnel and I4HOPE collaborated with PHRI investigators to conduct an interim evaluation, descriptive analysis and summary of the social needs screening efforts being implemented at MetroHealth. The work has been submitted for publication by Dr. Misak to the Ohio Family Physician. Further work aligned to this area has been proposed to the National Institutes of Health and is currently under consideration for funding.</p> <p>Project resulted in publication:</p> <p><a href="#">Implementing a Hospital-Based Social Needs Referral System during COVID-19: Combat Food Insecurity and Social Isolation – Ohio Academy of Family Physicians (ohioafp.org)</a></p>	This project involved coordination between social scientists, data analysts and operations personnel, all seeking to better describe and understand how MetroHealth can help to meet the social needs of our most vulnerable community members.	Perzynski A (PHRI lead), Berg K, Misak J, Fuehrer S, Silvers, Chagin K, Frech, Cook
Environmental Accessibility Issues within the MetroHealth System	The purpose of this project was to assess the built environment and equipment for accessibility for persons who use a wheelchair for mobility. It is hoped that the results of the project will be used to improve access to care at ambulatory facilities and to inform new building in the future. All MH Ambulatory Facility Managers completed an online survey of accessibility issues within their facility.	This project involved coordination between social scientist, clinicians, therapist researchers, MH SVP of Diversity and HR, Dept., Office of Patient Experience and the Exec. Director of the MH Ambulatory Network	Roach MJ (PHRI lead), Wilson J, Bryden A, Lombardo L, Clegg E, Lastic J

	In-person wheelchair roll-throughs were conducted at Main Outpatient, Parma and Cleveland Hts. facilities.		
Characterizing Food Insecurity Trajectories During the First Year of the Covid-19 Pandemic	In this study, we examine longitudinal trajectories of food insecurity during the first year of the pandemic, and sociodemographic factors associated with trajectories. Submitted conference abstract (paper in progress).	Addressing food insecurity is a high priority for I4HOPE and may lead to improved dietary behaviors and health outcomes	Gunzler D. (PHRI lead), Perzynski A.
Integrating Patient-reported Outcomes and Quantitative Timed Tasks to Identify Relapsing Remitting Multiple Sclerosis Patient Subgroups: A Latent Profile Analysis	The primary objective of the current study was to conduct exploratory data analysis using latent variable modeling to empirically identify clusters of relapsing remitting (RR) MS patients with shared impairment patterns across three patient-reported outcomes and two timed task measures. Published as: <a href="https://www.sciencedirect.com/science/article/pii/S2211034821001796">https://www.sciencedirect.com/science/article/pii/S2211034821001796</a>	This project involved coordination between social scientists, data analysts and operations personnel, all seeking to understand how to better use patient-reported outcomes and define impairment in multiple sclerosis patients.	Gunzler D. (PHRI lead)