



Collaborate. Educate. Innovate.

2024 RESEARCH SYMPOSIUM

FRIDAY, MAY 10, 2024

Welcome to the UWM 2024 Partners for Health Research Symposium! The Symposium showcases graduate and undergraduate student work representing a range of programs in the Zilber College of Public Health and the College of Health Professions and Sciences.

Thank you to all the students who submitted their work for the symposium! It was a pleasure to read your submissions and learn about the important research you are all engaged in. Keep up the good work, whether you are an undergraduate just getting involved in research, a doctoral student working on your dissertation, or somewhere in between.

Enjoy viewing the presentations today. The projects here cover a wide range of topics, and include completed research projects, projects in progress, research proposals, literature reviews, clinical case studies, and projects based on community partnership efforts.

Congratulations to you who are presenting your research today. These presentations represent a huge amount of work on your part, and sharing your work is an important part of the scientific process. Enjoy the day!

Lance Weinhardt

Associate Dean for Research for the Zilber College of Public Health, on behalf of the 2024 Symposium Organizing Committee.

Symposium Judges

Alexa Anderson – College of Health Professions & Sciences

Monna Arvinen-Barrow – College of Health Professions & Sciences

Lance Weinhardt – Zilber College of Public Health

Symposium Planning Committee

Alexa Anderson – College of Health Professions & Sciences

Monna Arvinen-Barrow – College of Health Professions & Sciences

Michael Gonzalez – Zilber College of Public Health

George Henion – Zilber College of Public Health

Maryam Muhammad – Zilber College of Public Health

Elise Papke – Zilber College of Public Health

Tanika Reesnes – Zilber College of Public Health

Jessica Slocum – College of Health Professions & Sciences

Lance Weinhardt – Zilber College of Public Health

Schedule

11:00 a.m.-12:00 p.m.....	Students set up posters
12:00 p.m.-12:15 p.m.....	Deans' Welcome and refreshments (refreshments available throughout)
12:15 p.m.-1:00 p.m.....	Networking and poster viewing
1:00 p.m.-1:45 p.m.....	Podium presentations 1
1:45 p.m.-2:30 p.m.....	Networking and poster viewing
2:30 p.m.-3:15 p.m.....	Podium presentations 2
3:15 p.m.-3:45 p.m.....	Networking and poster viewing
3:45 p.m.-4:00 p.m.....	Awards ceremony and closing
4:00 p.m.-4:15 p.m.....	Students remove posters

Podium Presentations 1

1:00 p.m.-1:45 p.m.

What if Health and Fitness Professionals Stopped Focusing On and Promoting Weight Loss: Exploring Weight Neutral Approaches for Fitness Professionals

Sophia Rifelj-Hammernik

Dr. Christy Greenleaf

UWM - Zilber College of Public Health

The Review Literature of Burden of Family Caregivers in People with Dementia by the Nurse Philosopher Perspectives

Patchara Chotchaisthit

Dr. Hyun-Kyoung Oh

UWM - College of Health Professions & Sciences

Examining the Intersection of Depression, Demographics, and Healthcare Utilization Patterns

Raisa Nkweteyim

Dr. Lu He

UWM - Zilber College of Public Health

Differences among Classes of Obesity for Patients Diagnosed and Undiagnosed with Obesity

Sai Madhav Dongur

Dr. Jennifer Fink

UWM - College of Health Professions & Sciences

Podium Presentations 2

2:30 p.m.-3:15 p.m.

Intermediary and Structural Causes of Black/White Infant Mortality Rate Inequities: A Concept Analysis

Kathie DeMuth | Kyriaki Topetzes | Danijela Skiljevic | Vanessa Casas-Gonzalez

Dr. Renee Scampini

UWM - Zilber College of Public Health

Nurse educators' perceptions of students with mental health symptoms

Suzanne Kreuziger

Dr. Julia Snethen

UWM - College of Health Professions & Sciences

Analyzing the impact of socioeconomic factors on disease recurrence, severity, and patient mortality

Mohammad Assadi Shalmani

Dr. Jake Luo

UWM - Zilber College of Public Health

Transforming Healthcare: Harnessing the power of Artificial Intelligence

Sai Pranathi Gaddipati

Dr. Jennifer Fink

UWM - College of Health Professions & Sciences

Poster Presentations

Robert Frediani

Employee Commitment in Nursing Facilities

Caleb Cordes | Jake Tzer Dje Siong | Matthew Van De Wege | Jonathan Samet | Karin Goodfriend | Kathy Zebracki | Shubhra Mukherjee | Brooke Slavens

Relationships Among Rotator Cuff Tendon Pathology, Shoulder Pain, and Independence and Satisfaction with Life in Pediatric and Adult Manual Wheelchair Users with Spinal Cord Injury and Dysfunctions

Sydney Stanford | Theresa Barthel | Jenna Schlicht

Dental Cavities in Children: Exploring the Long-Term Implications of Childhood Dental Cavities: Health Disparities and Educational Outcomes

Audrey Roach | Emma Marston | Dr. Kayla Herbell | Dr. Michele Polfuss

Research Fraud: Lessons Learned in Online Nursing Research

Emily Longwell-Grice

Once Upon a Time in the ICU: Did Covid-19 Change the Role of the Acute Care Occupational Therapist? A Literature Review

George Kalioras | Alex Lane

Rehabilitation for Latarjet Procedure on a 18 Year Old Football Player: A Type 2 Case Study

Poster Presentations

Anwar Eyadat | Maha Bdour | Hanan Abusbaitan | Vipavee Thongpriwan | Joshua Gwon

Cyberbullying in the Middle East During the COVID-19 Pandemic: A Narrative Review

Hanan Abusbaitan | Anwar Eyadat | Nokuthula Vilakazi | Anna Pirsch | Yamikani Nkhoma | Anne Dressel | Lucy Mkandawire-Valhmu

The Intersection of Food Insecurity and Gender-based Violence during the COVID-19 Pandemic

Ifeoluwapo Tolorunju

Mental Health and Trauma Challenges Within the Rohingya Refugee Community in the United States

Dayton Pye | Jacob Dinauer

Pneumomediastinum in a Healthy Collegiate Football Player: Type 4 CASE Study

Alessandria Hanson | Miya Sullivan-Davis | Jennifer Earl-Boehm

Osteochondral Defect in College Football: Type 2 CASE Study

Reshma Sahithi Dangeti | Priya Nambisan

Alcoholism among college students: Insights from BASICS (Brief Alcohol Screening and Intervention for College Students) data

Poster Presentations

Li Yang | Sabbina Efua Hagan | Tala Abu Zahra | Masud Rabbani | Shiyu Tian | Adib Ahmed Anik | Paramita Basak Upama | Min Sook Park | Jake Luo | Sheikh Iqbal Ahamed | Hyunkyong Oh

Usability of Voice-Activated Self-Monitoring Application (VoiS): Perspectives from People with Diabetes and Hypertension

Sabaa Abdulrazzaq

Addressing Mental Health Challenges in War and Displacement Contexts

Michael Armanious

Addressing Food Insecurity in At-Risk Medicare Adults: The Case for Medically Tailored Meals and Food For Medicine Interventions

Victoria Carver | Andre Daniel | Jennifer Earl-Boehm

Secondary Meniscus Tears Post ACL Reconstruction: Type 2 Exploration CASE

Megan Wahl | Dr. Linnea Laestadius | Dr. Young Cho | Dr. Joan Blakey | Dr. Celeste Campos-Castillo | Dr. Amy Harley

"I can just be myself and part of that is being a vaper." A Qualitative Analysis of Vaping Identity

Elliot Seiler

PFAS Exposure and Vaccine Response: A Small-Scale Systematic Review

Poster Presentations

Leah Welch | Sarah Stoker | Daniel Lenz | Kayla Braun

Body or brain, who's to blame? Exploring whether a secondary cognitive or motor task has a greater impact on lower extremity performance

Kellee Held

Patient Portals: A primary care perspective

Jaclyn Nelson | Barbara Haase | Valerie E. Simpson | Carol Klingbeil | Angela Lang

Breast/Chestfeeding and Lactation Workshop: Advancing Family Nurse Practitioner Student's Knowledge and Self-Efficacy through Simulation and Lecture

Andrea Barber | Jacob Gruttke | Lauren Peters | Janelle Shiffler | Adane Durham |
Nicholas Kanetzke | Jacqueline Westerdahl

Has the term "standardized" become meaningless in the administration of walk tests? A survey development process

Badr Al Mutairi | Mousa Javidialsaadi | Scott T. Albert | Jinsung Wang

Protection of savings by reducing the salience of opposing errors

Sydney Loechler

Expanding Education of Transgender and Gender Diverse Care in the Academic Setting

Poster Presentations

Masoud Khani

Advancements in BPPV Detection: Utilizing Machine Learning for Better Diagnostic Outcomes

Morgan Trinko | Christian Mackenzie | Jennifer Earl-Boehm

Duodenal Injury Following Blunt Abdominal Trauma in High School Football Game: Type 4: Rare Events CASE Study

Ali Bahkali

Nursing Homes Deficiency Citations (NHDCs) Pre and Post-COVID-19: A Review of the Literature

Jessica Listwan

Enhancing Telemetry Competency and Protocol Adherence for Improved Patient Safety in Post-Surgical Care

Reshma James | Jinsung Wang

The effects of training methods with varying degrees of explicitness and interference on memory consolidation following two opposing visuomotor adaptations

Pronnapa Naknonehun

The Barriers to Identifying Older Adults with Postoperative Delirium (POD) in Nurse Who Work at a Surgical Ward

Poster Presentations

Jennifer Landeta Vidal | Nicolette A. Meyer | Kristen Champion | Keith A. Dookeran
Examination of factors that mediate race/ethnicity (R/E) specific [Hispanic vs. non-Hispanic White (NHW)] differences in Patient Reported Outcomes (PROs) among elderly female breast cancer (BC) patients with follow-up survey data in the SEER-MHOS database

Liliana Leguizamo | Michael Gilboe | Jennifer Earl-Boehm
Recovering From 3 Hip Surgeries in 1 Year at 19 Years Old: Type 3 Case Study

Eric Dean | Rob Barr | Tyler Glass | Timothy Behrens
Better gait, better life: A systematic review of gait interventions for patients living with chronic stroke

Nina Radjenovich | Haley Gama | Mia Hoveland | Emma Stankovic
What do they need to succeed? First generation college students in Doctor of Physical Therapy programs

Koukab Al Gharibi
The effect of pre-briefing of simulation-based education on students' perception of psychological safety: A repeated measure design ongoing study

Jenna Eschner
Understanding Self-Determination Theory in Relation to Motivation and Burnout in Athletes

Poster Presentations

Wilawan Christraksa

Confronting Spiritual Care Challenges in Older Adults with Depression: Psychiatric Nurse Perspectives

Jayne Ewens

Policy Analysis: Zilber College Student Mental Health

Lindsey Ferr | Ryan McCauley

Atypical Presentation Biceps Femoris Tear: Type 3 CASE study

Mala Nan Leth

Promote and Define Mental Health Awareness in the Refugee Population: Mental health among refugee women living in high-income countries in the United States

Garrett Steinbrink | Julian Martinez | Ann M. Swartz | Chi C. Cho | Scott J. Strath

The Relationship Between Physical Activity and Metabolic Syndrome is Domain Specific (NHANES 2013-2018)

Jacob Gricar | Joshua Gayle | Josephine Asleson

Are High Schoolers Woke to PT: A Cross-Sectional, Pilot Survey Among a Diverse Sample of Students

Redson Machongo | Jennifer Doering

Application of the National Electronic Injury Surveillance System (NEISS) to Infant Research and Nursing Practice

Poster Presentations

Nicolette Meyer

Mediation of Black/White race/ethnicity disparities in physical and mental health patient reported outcomes (PROs) by socioeconomic position, comorbidities, and tumor biology, among elderly female breast cancer patients with longitudinal follow-up survey data in the SEER-MHOS database

Eric Arvizu Calzada | Charles Danek | Kyle France | Jessica Olson | Wendy Huddleston | Jerald Thomas

The Impact of Environmental Complexity on a Soccer Pass using Virtual Reality: A Pilot Study

Kendra Bisping | Kamari Clayton | Patrick Suttie | Adrianna Thomas

Finding the Right Angle: How to Develop a Sustainable Student-Led Physical Therapy Pro-Bono Clinic

Grace Mawhinney

Out of Socket: The Journey of Shoulder Instability and Chronic Dislocations in a Collegiate Athlete: Type 3 CASE Study

AmirSajjad Taleban

Improved Detection of Myocardial Infarction Using a Multi-Lead ECG Approach

Poster Presentations

Cameron Lee | Dr. Inga Wang | Dr. Stephen Hou | Dr. Chiung-ju Liu | Dr. Mohammad H. Rahman | Samiul Haque Sunny

Grip Strength Decline and Its Determinants Across the Life Span: Insights from the National Health and Nutrition Examination Survey (NHANES) 2011-2014 Data

Olivia Fox

Athletic Training Care for a High School Employee

Michelle Spicer

“MCL Tear, College Football Player Battles Through Season”

Temidayo Oke | Victoria Mandella

Capturing intermediate in the enzymes cytochrome c nitrite reductase (ccNiR) using indigo dyes as the mediator

Jeremy Nelsen

A Vascular Access Training Imperative for Quality Improvement

Danielle Anderson

Examining Effective Recruitment Strategies to Improve Web-Based Survey Response Rate: The Universities of Wisconsin 2024 National College Health Assessment

Poster Presentations

Sneha Gandla

Natural Processing Language in Health Education and Patient Engagement

Doris Richardson

Influence of Stressful Life Events on Birth Outcomes: A Comprehensive Review of Wisconsin PRAMS Data

Nathalia Rocha Lainetti | Jack Strey | Cecilia Hillard | Kyle Rehrauer | Terry-Elinor Reid | Chris Cunningham | Elizabeth Liedhegner

The characterization of the interaction between cannabidiol (CBD) and sterol carrier protein-2 (SCP-2): potential to modulate the endocannabinoid system (ECS)

Melanie Monaco | Ashley Quisler | Betsy Abroe | Janis Eells | Elizabeth Liedhegner

Effect of 670 nm Photobiomodulation on Retinal Function and Energy Metabolism in Aging Mice