



THE HERBERT H. &
GRACE A. DOW COLLEGE OF
**HEALTH
PROFESSIONS**
CENTRAL MICHIGAN
UNIVERSITY

9th Annual Research Symposium Program

April 8, 2026





Platform Session

1 pm - 2 pm

Health Professions Building 1255

***Indicates primary presenter**

1:00 pm - 1:15 pm

Association of adolescent cannabis use with poor mental health and suicidality in young adulthood: a cross-sectional study using YRBS 2023 Data

Joseph Inungu, Jennifer Olofu,* Nirajan Budhathoki , Niki Osakue

1:15 pm - 1:30 pm

Loudness perception and aided outcome correlation for different degrees of hearing Loss. Sam Bujak,* Yunfang Zheng, Adler Kolb, and Jingjing Xu

1:30 pm - 1:45 pm

The effect of acute exercise combined with heat stress on circulating markers of inflammation: a meta-analysis.

Albertas Klugas,* Christiana Donkor, Rachael Nelson, and Micah Zuhl



**The Herbert H. and Grace A.
Dow College of Health
Professions thanks
Gary and Barb Russell**

**who have sponsored
Research Symposium since
2021**





Poster Session

2 pm -4 pm

Health Professions Building Atrium

***Indicates primary presenter**

PHYSICAL THERAPY

- Poster #1** **Two sides of the same coin: clinical management and recovery of a patient with bilateral ischemic stroke**
Aidan Reath, Rochelle Kopka*
- Poster #2** **Repetitive therapeutic activities and exercises in acute stroke patient recovery: a case report**
Jacob Wentworth, Kristin VanderArk, Rochelle Kopka*
- Poster #3** **The effects of transcutaneous electrical nerve stimulation on delayed onset muscle soreness following eccentric exercise**
John Andraka, Carson Dole, Nathan Furst,* Jaiden Schulte, Frances Wenzel
- Poster #4** **Feasibility and long-term effects of implementing a walking Program while wearing the NewGait rehabilitative device for individuals with gait impairment due to Parkinson's disease**
Adam Landis,* Joseph Langenderfer, Ksenia Ustinova
- Poster #5** **Reliability of musculoskeletal ultrasound for identifying myofascial trigger points**
Makayla Ardis, Chloe Remnar, Kassidy Zuchnik,* Emily Schubbe, John Andraka
- Poster #6** **Effects of preferred musica on rating of perceived exertion and enjoyment of physical activity during moderate-intensity aerobic exercise**
Madalynn Lefler, Brandon Zink, Jessica Sullivan*
- Poster #7** **Parental physical activity impacts on 3-5-year-old children**
Karli Gasta,* Brooke Stemler, Jennifer Sansom
- Poster #8** **How many licks does it take to get to the center of the postural control?**
Tiffany Fettig,* Jenna Posky,* Jennifer Sansom
- Poster#9** **Quantifying Glenohumeral Accessory Motion During Varying Inferior Mobilization Forces Using Ultrasound Imaging**
Katelyn Fair,* Chloe Barnes, Kabryni Bruening, John Andraka



ATHLETIC TRAINING

- Poster #10 **A critically appraised topic on the use of platelet-rich plasma for hamstring injuries**
Alaina Parker,* Christopher Hamlyn
- Poster #11 **Contrast bath for post-injury recovery**
Emily Gawel,* Christopher Hamlyn

EXERCISE SCIENCE

- Poster #12 **Influence of temperature on cardiovascular dynamics in a microgravity model**
Mitchell Hamilton,* Nyah Beavers, Brody Woods, Katherine Schmidt, Micah Zuhl, Rachael Nelson
- Poster #13 **A snapshot of dietary and exercise habits among college students**
Reece Clark,* Kayla Riley, Devyn Buchholz, Naveen Sharma
- Poster #14 **Exercise during pregnancy: What do patients hear from their physicians? A preliminary analysis.**
A Vaiz,* H Ewing, S William, R Nelson
- Poster # 15 **The effect of heat acclimation on intestinal barrier integrity and damage: a meta analysis**
Reshad Ahmed,* Isaac Tiguridaane, Micah Zuhl
- Poster # 16 **Accuracy of resting metabolic rate prediction equations compared to indirect calorimetry**
Kylie Moskal,* Kaylee Sharrer, Veronique Chapman, Madison Travis, Rachael Nelson, Paul O'Connor.
- Poster # 17 **The effects of acute caffeine supplementation on pitching accuracy and velocity**
Jared Hanson,* Cole Prout, Brady Kollen, Paul O'Connor
- Poster # 18 **Short term hot water immersion on markers of heat acclimation**
Peyton Thibodeau, Isaac Tiguridaane, Christiana Donkor, Carly Raymo, Gabriel Russell, Kennedy Tidwell, Shane Fitzpatrick, Ambria Nagel, Micah Zuhl
- Poster # 19 **Impacts of high fat diet and krill oil on inflammatory signaling in cardiac and skeletal muscle**
John Jolly III, Martina Chaulk, Meradith Anderson, Naveen Sharma

SPEECH-LANGUAGE PATHOLOGY

- Poster #20 **"I want to tell the world about my condition - my story - to help other people": identity reconstruction and advocacy through virtual story co-construction in adults with aphasia**
Allison Strnad,* Katie Strong
- Poster #21 **A more sensitive question to screen for speech-in-noise deficit in typical hearing adults**
Emma Ingalls,* Sarah Grinn



SPEECH-LANGUAGE PATHOLOGY

- Poster #22 Exploring Latin roots for increased vocabulary learning and understanding in Spanish and English
Zoey Breznik*, Katie Squires

AUDIOLOGY

- Poster #23 Effects of hearing loss configuration on tinnitus program outputs
Kelly Kraemer*, Yungfang Zheng, Olivia Miron
- Poster #24 “Use the Microphone!”: d/Deaf and hard of hearing (DHH) academics' experiences with inclusion and accessibility at conferences and institutional professional development workshops.
Kemeny Ridley*, Stacey Lim, Anthony Feig
- Poster #25 The effects of music appreciation on cochlear implant users undergoing auditory skills training
Jillian Cregger*, Stacey Lim, Karen McIver-Lux
- Poster #26 Impact of auditory skills training on cochlear implant users as observed by communication partners
Erika Doetkott*, Stacey Lim
- Poster #27 Acoustic differences across tinnitus programs
Olivia Miron*, Yunfang Zheng, Matthew Klinzing
- Poster #28 Fitting formula effect and aided outcome correlation for listeners with different degrees of hearing loss
Adler Kolb*, Sam Bujak, Yunfang Zheng
- Poster #29 Effects of RECD and fitting formula on hearing aid gain and output targets across simulated and age-based conditions
Rawad Wehbe*, Yunfang Zheng, Jungsywan Sepanski

NURSING

- Poster #30 Burden of Underrepresentation: professional identity construction in nursing academia
Kechi Iheduru-Anderson, Jay Thieme-Whitlow*
- Poster #31 Police officers perceptions of available mental wellbeing resources
Suzanne Hakeos*, Tatiana Davidson, Sarah Miller, Megan Thoen, Michelle Nichols
- Poster #32 Nursing faculty- student interaction factors and intent to leave academia: an understudied null finding
Larissa Miller*
- Poster #31 Impact of a health equity workshop on nursing students' knowledge of social determinants of health and perceived application to practice
Emily McIntire*, Gretchen Dubes, Lenna Westerkamp, Larissa Miller, Cheng-Ching Liu



PHYSICIAN ASSISTANT

- Poster #34** **Acute diffuse erythema and skin desquamation in a two-year-old female: a case of staphylococcal scalded skin syndrome**
Kelsey Landra,* Lixin Li
- Poster #35** **Rare endocrine immune-related adverse event: Keytruda-induced latent autoimmune diabetes presenting as diabetic ketoacidosis in a patient with Li-Fraumeni syndrome**
Taylor Schneider,* Lixin Li
- Poster #36** **Revolutionizing surgical recovery by reducing readmissions and postoperative complications with hyaluronic acid based adhesion barriers**
Olivia lavasile,* Lixin Li
- Poster #37** **Evaluating the impact of a comprehensive research curriculum within evidence-based medicine courses in physician assistant education**
Sergey Soshnikov, Najat Yahia, Lixin Li*

NUTRITION AND DIETETICS

- Poster #38** **Body image concerns and its association with physical activity and disordered eating among university students**
Anna Moore,* Chin-I Cheng, Lixin Li, Md Mahmudul Mamun, Najat Yahia

HEALTH ADMINISTRATION

- Poster #39** **Understanding workplace well-being among health professions faculty, staff, and students in academic institutions: implications for organizational policy and practice.**
Preshit Ambade, Neil MacKinnon, Kathleen Hodgkins*, Frances Wenzel
- Poster #40** **The great divorce: when hospitals use economic grounds to deny or curtail medical staff privileges**
Mark Cwiek,* Vincent Maher, Emily McDonald, Elizabeth Hoff
- Poster #41** **Between crisis and cost: public accounts of emergency healthcare billing**
Brynn Carlson,* Sara Boykin, Stormie Jacobs-Wakemup, Samantha Meyer, Lana Ivanitskaya
- Poster #42** **Public concerns about U.S. health insurance terminology: a thematic analysis**
Boumjahed Silva,* Kenworthy Ella, Lana Ivanitskaya



PUBLIC HEALTH

- Poster #43** **Lead in the water: Flint, Michigan**
Isabel Noguera,* Rebecca Uzarski, Salma Haidar
- Poster #44** **Dating-app-related scams, sextortion, and suicide-related distress: a Reddit-based digital epidemiology study (2021–2025)**
Simon Idiagbonya,* Sergey Soshnikov
- Poster #45** **Maternal and child health inequities in cesarean delivery: a racial disparities analysis using U.S. NVSS Data, 2020-2022**
Joseph Inungu, Jennifer Olofu , Chiatanya Emmadi , Chin-I Cheng, Racheal Adu, Niki Osakue,* Sharvya Juluru, Srilekha Manchala
- Poster #46** **Spokane Regional Health District Workplace Mental Health and Well-Being Assessment**
Preshit Ambade, Caleb Zimmerman, Christya Haddad, Paige Weid,* Neil MacKinnon
- Poster #47** **Minority stress and LGBTQ health outcomes: addressing the research gap**
Harper Walls,* Salma Haidar
- Poster #48** **Industrial negligence and public health: the 1973 Michigan PBB contamination case study**
Tanisha Pokharel,* Salma Haidar
- Poster # 49** **Risky Sexual Behavior in Adolescent Victims of Child Maltreatment: A Scoping Review**
Colin Marceau,* Frank Snyder

HP RESIDENTIAL COLLEGE

- Poster #50** **The effects of prolonged use of ibuprofen**
Jazmine Nguyen*, Mya, Ross, Kaylyn Sankey, Ava Waldron, Lily Szczembara, Rylen Jurecko, Elizabeth Boman
- Poster #51** **The effects of fasting on moderate-intensity cardiovascular exercise**
Jenna Maciejewski, Lyrik Ricketts, Katie Cookman, Xandar Holtrust,* Elizabeth Boman
- Poster #52** **Increasing hemorrhage awareness and bleeding control skills in Isabella county** Abigail Hewitt,*
Emily Jacobs, Stephanie Cronkright, Courtney Reisler, Gabe Marshall, Elizabeth Boman

