



UNIVERSITY OF DELAWARE
HEALTH SCIENCES

RESEARCH & INNOVATION DAY 2024

*Innovating to Advance
Health for All*

AGENDA

- 8:00 - 9:00 am** Registration and Coffee
First Poster Session Set-Up
- 9:00 - 9:15 am** **WELCOME AND OPENING REMARKS:**
Freddie Patterson, PhD
*Associate Dean of Research,
UD College of Health Sciences*
Bill Farquhar, PhD
*Dean,
UD College of Health Sciences*
- 9:20 - 10:15 am** **KEYNOTE:**
Josiane L. Broussard, PhD
*Director, Sleep and Metabolism Lab &
Associate Professor of Health and Exercise Science,
Colorado State University*
- 10:15 - 10:45 am** 1-minute Podium Poster Pitches
- 10:45 - 11:00 am** Break
- 11:00 am - 12:00 pm** First Poster Session
- 12:00 - 1:00 pm** Lunch
Second Poster Session Set Up
- 1:00 - 2:00 pm** **KEYNOTE:**
Kimberly Canter, PhD
*Pediatric Psychologist & Research Scientist, Nemours
Center for Healthcare Delivery Services & Associate
Professor of Pediatrics, Thomas Jefferson University*
- 2:00 - 2:30 pm** 1-minute Podium Poster Pitches
- 2:30 - 3:30 pm** Second Poster Session
- 3:45 - 4:00pm** Award Winners Announced and Closing Remarks
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POSTER PRESENTATIONS

First Poster Session - 11:00 am - 12:00 pm
**Podium Pitch Presentation (Randomly Selected)*

2
Visceral adipose of obese mice inhibits endothelial inwardly rectifying K⁺ channels in a CD36-dependent fashion.
Sabita Rokka, Sadeghinejad Masoumeh, Hudgins Emma, Johnson E, Nguyen Thanh, Fancher Ibra

4
Regulation of muscle function by circular RNA circNFIX in spastic cerebral palsy
Brigette Romero, Parsa Hoque, Karyn Robinson, Stephanie Lee, Vijay Parashar, Robert Akins, and Mona Batish

6
Elevated Mitochondrial CD36 and Superoxide Production in Endothelial Cells Exposed to Prolonged High Glucose and Fatty Acids In-vitro
Bhaswati Kashyap*, Thanh Nguyen, Erica Johnson, Ibra S Fancher*

8*
Virus-Like Particle (VLP) Platform for In Vitro Functional Characterization of ABCA4 Variants in Inherited Retinal Diseases
Senem Cevik, MS, Subhasis B. Biswas, PhD, Esther Biswas-Fiss, PhD, MB(ASCP)CM

10*
Identifying circular RNA circNFIX expression in human iPSC-derived cardiomyocytes treated with proteasome inhibitors.
Theresa Edery, Grace Davis , Brigette Romero Carpio, Chi Keung Lam, Mona Batish

12*
Identifying circular RNA circZNF609 expression in human iPSC-derived cardiomyocytes treated with proteasome inhibitors.
Grace Davis , Theresa Edery, Brigette Romero Carpio, Chi Keung Lam, Mona Batish

14*
Metabolic Regulation of Cyclic di-AMP in Mycobacterium Tuberculosis
Sadik Sattar, Vijay Parashar

16
Gene expression changes in the SynAb group following Achilles tendon ablation
Rita de Cassia Marqueti, Lily M. Lin, Justin Parreno, Karin G. Silbernagel, Dawn M. Elliott

18*
Exploring the Role of Visceral Fat as a Negative Regulator of Vascular Function In Obesity.
Malak Alradi, Ibra Fancher

20
CircFISH- a novel method for simultaneous imaging of linear and circular RNAs
Aakash Koppula, Ahmed Abdelgawad, Jlenia Guarnerio, Vijay Parashar, Mona Batish

22
Role of proteostasis in erythroid differentiation and CD71 trafficking
Hayden Harach, Emily Babiarz, Mark Shaw, Erin Bernberg, Brewster Kingham, Arit Ghosh

POSTER PRESENTATIONS

- 24***
Physical Activity, Sedentary Behavior, and Cardiometabolic Health of Adults with Intellectual Disability: A Meta-Analysis
Cora J. Firkin, Laura C. Koch, Gregory M. Dominick, Adam Davey, Iva Obrusnikova
- 26**
Sympathetic and blood pressure reactivity in young adults with major depressive disorder
Ashley M. Darling, Benjamin E. Young, Rachel J. Skow, Cynthia M. Dominguez, Erika F. H. Saunders, Paul J. Fadel, Jody L. Greaney
- 28**
Depressive symptom severity sensitizes the link between positive affective responsivity to daily stressors and reduced heart rate variability in young adults
Aaron S. Autler, Ashley M. Darling, Jacqueline Mogle, David M. Almeida, Erika F. H. Saunders, Jody L. Greaney
- 30***
No Effect of Serum 25-Hydroxyvitamin D Supplementation on Peripheral or Central Blood Pressure in Young Black Women
Mackenzie L. Rattigan, Michele N. D'Agata, Krista M. Szymanski, Alexs A. Matias, Melissa A. Witman
- 32***
Health for All: Blood Pressure Disparities in New Castle County, Delaware
Emma Mathias, Christine Sowinski, Heather Milea, Jennifer Horney
- 34**
The effect of apiaceous vegetables on biomarkers of endothelial dysfunction in an atherosclerosis-prone mouse model
Brandy L. Le, NDTR; Sabrina Trudo, RD, PhD; Sheau Ching Chai, RD, PhD; Jillian Trabulsi, RD, PhD; Jae Kyeom Kim, PhD
- 36**
An Exploration of Nursing Students' Perceptions of Learning Transfer from Simulation-Based Setting to Clinical Practice: A Mixed-Method Study
Anthony Gariba, Beatrice Gaynor PhD
- 38***
Comparison of Symptoms and Function in Children with Heel Pain and Adults with Achilles Tendinopathy
Kayla D. Seymore, Morgan N. Potter, Shawn L. Hanlon, Bradley C. Bley, Karin Grävare Silbernagel
- 40***
Sex Differences for Eating Habits Among Student Athletes
Delaney Moore, Elizabeth Orsega-Smith, Carly Pacanowski
- 42**
Does sex influence presentation of Achilles tendinopathy?
Morgan N. Potter, PT, DPT, Ryan Pohlig, PhD, Karin Grävare Silbernagel, PhD, PT, ATC, FAPTA
- 44***
Differences in Prosthetic-Specific Outcomes among Adults with Chronic and Non-Chronic Back Pain and No Back Pain
Shahi A; Stauffer SJ; Sions JM
-

46*

History of Concussion or ACL Injury Is Not Associated with Worse Health-Related Quality of Life Scores

Caitlin A. Gallo, Scott W. Passalugo, Lauren J. Cardone, Radhika H. Thakkar, Thomas A. Buckley

48

Emerging Concussion Assessments Baseline Performance in Ice Hockey Players Across Age Groups

Scott W. Passalugo, Caitlin A. Gallo, Radhika H. Thakkar, Lauren J. Cardone, Thomas A. Buckley

50*

The Relationship Between Ice Hockey Player Career Duration and Quality of Life

Lauren J. Cardone, Caitlin A. Gallo, Scott W. Passalugo, Thomas A. Buckley

52*

Compassion Fatigue: The Cost of Caring in Nursing

Sandi Nolan

54

A Feasibility Study of Brain-WISE: A Group-Based, Person-Centered Dementia Risk Reduction Program

Matthew L. Cohen, Kimberly Van Buren, Mindy J. Myers, James M. Ellison, Christopher R. Martens, Alyssa M. Lanzi

56

Targeted training of proprioception using an integrated robotic-joystick approach improves sensorimotor function in chronic stroke

Duncan Thibodeau Tulimieri, GilHwan Kim, Fabrizio Sergi, Jennifer A. Semrau

58

Understanding the Contributions of Proprioceptive Impairment on Arm Capacity and Real-World Performance After Stroke

Hoh JE, Reisman DS, Semrau JA

60

Methodological Considerations for the Rate of Force Development Scaling Factor in Parkinson's Disease

Rebecca Daniels, Christopher Knight

62

Reinforcement and Error Feedback Differentially Impact Motor Exploration During Locomotion

Gray, Julia; Roth, Adam; Cashaback, Joshua; Jeka, John

64

In-Lab Gait Speeds Represent a Small Portion of Real-World Gait Speeds

Julien A. Mihy, Mayumi Wagatsuma, Spencer N. Miller, Stephen M. Cain, Jocelyn F. Hafer

66

The effect of Exergaming Intervention on Executive Functioning in Individuals with Autism Spectrum Disorder (ASD).

Tsai, JM., Corey, J. Kathiravan, Bhat, A. 1,2

68

Commonly Used Clinical Tests and Surveys Are Not Sensitive to Improvements in Biomechanics or Walking Function With Passive-Dynamic Ankle Foot Orthosis Use

Zahra McKee, Jacob Skigen, Darcy Reisman, Elisa Arch

POSTER PRESENTATIONS

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Does In-Lab Gait Speed Relate to Real-World Pain or Fatigue?

Grace V Chesley, Mayumi Wagatsuma, Julien A Mihy, Jocelyn F Hafer

72

Altering PD-AFO Stiffness affects Cost of Transport in Participants Post-Stroke

Shay Pinhey, Elisa Arch, Darcy Reisman

74

Passive Dynamic Ankle-Foot Orthoses Elicit Greater Change in Non-paretic Cost of Transport than Paretic

Jacob T. Skigen, Zahra McKee, Shay Pinhey, Darcy Reisman, Elisa S. Arch

76*

Physical Activity and Sedentary Behavior Trends of Adults with an Intellectual Disability: A Meta-Analysis – Part 1: Daily Steps

Cora J. Firkin, Laura C. Koch, Gregory M. Dominick, Adam Davey, Iva Obrusnikova

78*

Promoting walking behavior and reducing stationary time in physically inactive adults: the Walking with JITAls study protocol

Cora J. Firkin, Ajith Vemuri, Stephanie A. Malone, Qiulin Chen, Tanvir Rahman, Keith Decker, Gregory M. Dominick

80*

Perceptions of Physical Activity Participation and Technology Use in Autistic Adults

Sydney Boudier, Melissa Melough, Daehyoung Lee

82

Community-Engaged Collaborative Workshops for mHealth Intervention Development to Increase Physical Activity and Reduce Sedentary Behavior among Autistic Adults

Sophia Kayatta, Iva Obrusnikova, Richard Suminski, Anjana Bhat, Daehyoung Lee

84

Disruption, Adaptation, and Maintenance of Domestic Violence Services during the COVID-19 Pandemic

Annaliese Pena, JA Horney, SE Scales, RE Fleury-Steiner, LC Camphausen, SL Miller

86

The Association Between Social Determinants of Health and Cardiovascular Risk in a National Sample of Pregnant Women

Shazia Shaukat, MBBS, MPH; Xiaopeng Ji, PhD, MS, RN; Lauren Covington, PhD, RN

88

Health for All: Blood Pressure Disparities in New Castle County, Delaware

Emma Mathias, Christine Sowinski, Heather Milea, Jennifer Horney

90

Depressive symptoms, daily stress, and coping strategies among caregivers of toddlers experiencing socioeconomic disadvantage.

Charlotte Asiedu, Destiny Mahmood, Emma Archer, Kiara Shay, Lauren Covington

92

ANEW-Gold: Aligning Nutrition, Exercise, and Wellbeing in the Older Adult Population

Rose Freel, Tara Leonard MS, NBC-HWC, Elizabeth Orsega-Smith, PhD

94*

Exploring Associations between Perceived Racism and Health Status in Adults with ADL and IADL Disabilities in 2022

Abbey Ketterling, MPH, Tarang Parekh, PhD, MBBS

96

“A systematic Review of Factors Influencing Physical Activity and Exercise of Adults with Intellectual Disabilities”

Riley Pennington, Iva Obrusnikova, Cory Lucatamo, Cora J. Firkin

98*

Service Receipt during the COVID-19 Pandemic and its Relationship to Various Outcomes in Children with Autism Spectrum Disorder (ASD)

Jung-Mei Tsai & Anjana Bhat

100

Facilitating Research Data Exchange among Delaware Healthcare Providers Using OMOP and FHIR

Christopher A. Pennington, H. Timothy Bunnell, Claudine Jurkovitz, Bill Moyers

102

Suicide Screening in Primary Care: A Review of the Literature

Alyssa Selimov, J. Graber

104

A Mixed-Methods Investigation of Obesity Prevention Policy and Program Implementation in the national SNAP-Ed system

Kristin Kelly, MA

106

Evaluation of the Accessibility and Usability of Delaware’s Parks and Playgrounds for People with Disabilities

Lauren Rechner, Cora Firkin, Iva Obrusnikova

108*

Habitual Sleep Duration and Sleep Efficiency Do Not Mediate the Relation Between Race and Nocturnal Blood Pressure Dipping in Young Black and White Women

Michele N. D’Agata, Elissa K. Hoopes, Thomas Keiser, Krista M. Szymanski, Alexs A. Matias, Freda Patterson, Benjamin C. Brewer, and Melissa A. Witman

110*

Vitamin D status among pregnant, lactating, and women of reproductive age in the United States

Sanaz Pourreza, Bridget O’Donnell, Melissa M. Melough

112

Acceptability, usability and feasibility of a sleep chatbot intervention for young Black/African American adults

Sanaz Taherzadeh, MS, RN, Janeese A. Brownlow, PhD, Freda Patterson, PhD, Elizabeth Orsega-Smith, PhD, Jingwen Zhang, PhD, Xiaopeng Ji, PhD, RN

114*

The First Foods Study: Evaluating the effects of first complementary foods on the infant gut Microbiota

Lynn E. Ferro, Kyle Bittinger, Sabrina P. Trudo, Clarisse M. Hunt, Jae Kyeom Kim, Jillian C. Trabulsi

116*

Higher body shame after viewing traditional nutrition messages about weight control compared to intuitive eating messages in those at high risk for eating disorders

Diane Vizthum, MS, RD; Christine Skubisz, PhD; Julia Katcher, PhD, RD; Carly Pacanowski, PhD, RD

118

Associations of Urinary Phthalate Metabolites with Glucose Metabolism Markers in US Adults and Potential Modification by Oxidative Balance Score, NHANES 2015–2018

Mary D. Webb, Ben Brewer, Sheela Sathyanarayana, Jee Won Park, Jillian C. Trabulsi, Drew B. Day, Melissa M. Melough

120

Screening for Obstructive Sleep Apnea in Patients with Unhealthy Weights in Primary Care

Janice James-Webb, MS, AGPCNP-BC, Sharon Dudley-Brown, PhD, FNP-BC, FAAN, FAANP

122 *

Gut Microbiome Dysbiosis in an Animal Model of Stuttering

Sayan Nanda, Nicole Guarino, Bryan Lamot, Evan Usler, Diane Chugani, Aditya Dutta, Ho Ming Chow

POSTER PRESENTATIONS

Second Poster Session - 2:30 - 3:30 pm
**Podium Pitch Presentation (Randomly Selected)*

1*

Obesity induces an increase in fatty acid uptake in endothelium of visceral adipose arteries without altering CD36 expression

Erica Johnson, Caitlin Halbert, Thanh Nguyen, Ibra S Fancher

3

Elevated glucose impairs endothelial Kir2.1 channel function and downregulates glycocalyx core protein expression in vitro

Emma C. Hudgins, Masoumeh Sadeghinejad, Erica J. Johnson, Ibra S. Fancher

5

Identification of a novel consensus motif for selective sorting of circular RNAs into extracellular vesicles

Ahmed Abdelgawad, Yiyao Huang, Olesia Gololobova, Kenneth Witwer, Vijay Parashar and Mona Batish

7

Computational analysis of Human papillomavirus (HPV) E1, E2, E6, E7 proteins, the LCR regions, and biological consequences

Sean Fletcher, Anshul Rana, Esther Biswas, Subhasis Biswas

9

Biochemical Analysis of Swarming Motility in Bacilli

Richard Knappenberger, M. Batish, V. Parashar

11

Analysis of Retinal Binding in ABCA4 in Inherited Retinal Disease: Computational and Functional Approaches

Jazzlyn S. Jones, Subhasis B. Biswas, and Esther E. Biswas-Fiss

13

Structural analysis of crosstalk between Type I and Type III CRISPR Systems

Pengjun Xia, Anirudha Dutta, Kushol Gupta, Mona Batish and Vijay Parashar

15*

Apiaceous vegetable consumption mitigates the negative effects of ACR exposure on immune response, energy production and cytoskeleton-related gene expression.

Liana N. Crowley, Erin Brannick, Jillian C. Trabulsi, Jae Kyeom Kim

17*

Evaluation of T cell co-culture systems for recognition of ER-phagy based reporter cancer cell lines and tumor organoids.

Emily Babiarz, Lina Pradhan, April Kloxin, Arit Ghosh

19*

A Quantitative Analysis of HPV E2-DNA Interactions

Roxanne Evande, Esther E. Biswas-Fiss and Subhasis Biswas

21*

The Effect of Early Life Adversity on the PAG

Prysakar, M., Collins, N.J., Ross, S., Ayers, L.W., Rosen, J.B., & Roth, T.L

23*

Elucidating the role of viral E1 & E2 protein in HPV DNA replication initiation

Anshul Rana, Esther E. Biswas-Fiss and Subhasis S. Biswas

POSTER PRESENTATIONS

25*

Feasibility of an intervention to reduce unplanned readmissions of patients hospitalized for heart failure within 30 days of discharge

Ludmila Santiago-Rotchford, Jennifer Saylor, Kathleen Schell

27*

Impaired Vascular Function in Boys with Duchenne Muscular Dystrophy

Alexs A. Matias, Krista M. Szymanski, Michele N. D'Agata, Mena Scavina, Michael A. McCulloch, David G. Edward, Melissa A. Witman

29*

Blood Pressure Variability in Menopausal Women

Marshaan Ebuenga-Smith, Allyson I. Schwab, Shane J. McGinty, Megan M. Wenner

31

Cardiovagal Baroreflex Sensitivity in Pre- and Perimenopausal Women

Allyson I. Schwab, Shane J. McGinty, Megan M. Wenner

33

The Association Between Dietary Omega-3 Fatty Acids and Arterial Stiffness in Adults Consuming a High Sodium Diet

Serena A. Schade, Jordan C. Patik, Justin D. Mehner, Zoe R. Lincoln, Shannon L. Lennon, William B. Farquhar, David G. Edwards

35*

Nursing Clinical Scholars Program: A Scoping Review

Isabella Leonardo, Jennifer Saylor, Jennifer Graber, Rosemary Wurster, Elizabeth Speakman

37

Factors Associated with Radicular Symptoms among Adults with Lower-Limb Loss and Low Back Pain

Stauffer, SJ; Sions, JM

39*

Quadriceps Femoris Muscles Aren't Pulling Their Weight Evenly after ACLR

Claudia Jean Kacmarcik, PT, DPT, Naoki Ito, PT, DPT, Lynn Snyder-Mackler, PT, ATC, FAPTA, Haraldur B Sigurdsson, PT, PhD, Karin Grävare Silbernagel, PT, ATC, PhD

41

Can Neuromuscular Electrical Stimulation Induce the Same Tendon Loading Compared to a Matched Voluntary Contraction? A Pilot Study.

João Luiz Quaglioti Durigan, Jack Felipe, Stephanie Cone, Karin Grävare Silbernagel

43*

Achilles Insertion Structure is Associated with Pain and Gait Kinematics in Individuals with Insertional Achilles Tendinopathy

Hayley Powell Smitheman, Nabeel H Alghamdi, Kayla D Seymore, Karin Grävare Silbernagel

45*

Movement Evoked Pain During Hopping Is A Unique Measure of Pain for Midportion Achilles Tendinopathy

Andy K. Smith PT, DPT, MS, Katie Butera PT, DPT, PhD, Karin Grävare Silbernagel PT, ATC, PhD

47

Are Neurological Responses Associated with Low Back Pain Outcomes Across Three Months? A Preliminary Study.

Annie Zarama, Gregory Hicks, Katie Butera

49

Concussion Baseline Gait Characteristics in Adolescents and Children Ice Hockey Players

Radhika H. Thakkar, Scott W. Passalugo, Caitlin A. Gallo, Lauren J. Cardone, Thomas A. Buckley

51

Does the exercise program change muscular composition in patients with achilles tendinopathy?

Merve Karapinar, Hayley Powell Smitheman, Stephanie Cone, Karin Gravare Silbernagel

53

Cross-domain latent profiles of MCI and dementia are most differentiated by social and emotional functioning

Matthew L. Cohen, PhD, Aaron J. Boulton, PhD | Callie E. Tyner, PhD, Jerry Slotkin, PhD, Sandra Weintraub, PhD, Richard C. Gershon, PhD, Hiroko H. Dodge, David S. Tulsky, PhD

55

The Effects of Added Sugar Intake on Memory Function in Midlife Adults

Zoe Rigas, Nicholas Rizzi, Catherine Awad, Faria Sanjana, Matthew L. Cohen, Kevin Decker, Christopher Martens

57

Proprioceptive signaling of the upper limb influences oculomotor function and may suggest impaired multisensory integration after stroke.

Amelia Decarie, Duncan T. Tulimieri, Tarkeshwar Singh, Jennifer A. Semrau

59

Enhanced Play Education for Infants Increases Motor and Cognitive Development

Samantha F. Namit, Julie M. Orlando, Zainab Alghamdi, Abram Banoub, Michele A. Lobo

61

Effects of auditory cueing on rapid force production in people with Parkinson's disease

Emma Szydlow, Rebecca Daniels, Christopher Knight

63*

Validation of force-plate estimated rotational velocity during the Push-and-Release Test

Nicole LoCascio, Michael Christensen, James Tracy, Grace Kellaher, Jeremy Crenshaw

65

Nintendo switch exergaming to promote gross motor skills and physical activity in children with autism.

Jacob Corey, J. Tsai, S. Kathiravan, A. Bhat

67*

Evaluating Clothing Accessibility for Individuals with Impaired Arm Mobility

Regan B. Whitaker, Sarah Megivern, Tamara Wright, Julie M. Orlando, Michele A. Lobo

POSTER PRESENTATIONS

69*

Parent's Knowledge and Beliefs Across Time in an Educational Intervention Study

Julie M. Orlando, Nate Mange, Zainab S. Alghamdi, Michele Lobo

71

Quantifying temporal proprioceptive acuity during passive movement

Devin S. Austin, Jennifer A. Semrau, PhD

73*

The Influence of Muscle Function on Gait Mechanics

Millissia A. Murro and Jocelyn F. Hafer

75

Changes in Grey and White Matter Microstructure in the Aging Brain

Abigail E. Bower, MA, Jae Woo Chung, PhD, Roxana G. Burciu, PhD

77*

Can Improving Knee Pain Change Sedentary Behavior in Individuals with Knee Osteoarthritis?

Thomas K Videtich ByePT, DPT, MS, CSCS; Sydney Liles PT, DPT; Jason T Jakiela PhD; Simon Herrera Suarez PT, DPT, MS; Daniel K White PT, ScD, MSc

79

Do You Believe in Exercise for Osteoarthritis? Exploring Differences in Participant Characteristics with Treatment Beliefs in Exercise for Knee Osteoarthritis

Sydney Liles PT, DPT, MS; Jason T Jakiela PhD; Thomas K Bye PT, DPT, MS, CSCS; Jennifer Copson, MS, MA; Daniel K White PT, ScD, MSc

81*

Stakeholder input on feasibility and acceptability of a novel exergaming intervention for individuals with ASD

S. Kathiravan, J. Corey, J. Tsai, & A. Bhat

83*

Identifying Multi-Level Factors Associated with Sedentary Behavior in Adults with Intellectual Disabilities in Community Living Arrangements

Paige Laxton, Sean Healy, Benjamin Brewer, Elizabeth Orsega-Smith, Bryan McCormick, Julie Daly, Lee Smith, Freda Patterson

85

Impact of the State Health Improvement Plan on Delawareans

Peyton Free and Palma Bauman

87

Health impacts of periodic floods on internally displaced people of Maban-South Sudan.

Adam Bitunguramye, Sarah Scales, Jennifer Horney

89

Implementing Disaster Response Training for Nurses: A Quality Improvement Project

Elizabeth Ortiz, MSN, RN, Sharon Dudley-Brown, PhD, FNP-BC, FAAN, FAANP

91

Disparities in Cardiovascular Screening and Healthcare Access Among Sexual Minorities Amid COVID-19 Phases in the United States.

Bhumi Vora, BAMS; Tarang Parekh, PhD, MBBS

93

Association Between COVID-19 and Cardiovascular Disease Across Income Levels: Analysis of BRFSS Annual Survey Data 2022

Kareem Khairy, Amirah Ellis-Gilliam, Jee Won Park

95

Feasibility of Implementing a Home Food Environment-Focused Intervention to Increase Fruit and Vegetable Accessibility

Adriana Verdezoto Alvarado, MS; Sonia Vega-López, PhD; Laurie Ruggiero, PhD; Carrie Earthman, PhD; Shannon Robson, PhD, MPH, RD

97

The Impact of COVID-19 on Individuals with Disabilities in Delaware

Lauren Rechner, Dr. Jen Horney

99*

School Nurse Academic Partnership Exploring and Addressing Pediatric Health Inequities Through Community Engagement

Sanaz Taherzadeh, MS, RN, Xiaopeng Ji, PhD, RN, Shannon Mayberry, MS2, Heidi Hildick, MSN, RN, NCSN, CPN, Freda Patterson, PhD, Lauren B Covington, PhD, RN

101*

Developing a Symptom-Monitoring/Self-Management Program to Improve Sexual Wellness after SCI and TBI

Chloe DeHart, BS, Pamela A. Kisala, MA, Jerry Slotkin, PhD, Aaron Boulton, PhD, and David S. Tulskey, PhD

103*

Examining Household Smoke Exposure on Outcomes in Children

Annie Antonov, Shannon Robson, Benjamin Brewer

105

Evaluation of Recall Error in a Study of Families With Children After the Deepwater Horizon Oil Spill

Zackery White, Jee Won Park, David Abramson, James Kendra, Jennifer Horney

107*

The CTR Network in the National COVID Cohort Collaborative (N3C)

Suzanne M. McCahan, Cara Reed, Christopher Pennington, Dan Eckrich, Claudine Jurkovitz, H Timothy Bunnell

109

Overhydration Influences Dual-Energy X-Ray Absorptiometry Muscle Measures in Individuals with Liver Cirrhosis

Robert Weimer, BS, Lindsay Plank, PhD, Alisha Rovner, PhD, Luke O. Smith, PhD, Carrie Earthman, PhD, RDN

111

Sleep Health, Diet Quality and Movement Behaviors in Delaware Preschoolers

Kiara Shay, Benjamin Brewer, MS, Adriana Verdezoto Alvarado, MS, Angeni Cordova, MPH, BS, Emma Archer, BS, Xiaopeng Ji, PhD, MS, RN, Freda Patterson, PhD, Shannon Robson, PhD, MPH, RD, Lauren B. Covington, PhD, RN

POSTER PRESENTATIONS

Second Poster Session - 2:30 - 3:30 pm
**Podium Pitch Presentation (Randomly Selected)*

113

Irregular Sleep and Eating Timing Associated with Increased Carotid Intima-Media Thickness in Healthy Young Adults

Thomas Keiser, Benjamin Brewer, Elissa K. Hoopes, Melissa A. Witman, Michele N. D'Agata, David G. Edwards, Shannon M. Robson, Shannon Mayberry, Susan K. Malone, and Freda Patterson

115*

Dietary sodium density and blood pressure in athletes and non-athletes in young adulthood and Midlife

Jessica M. Irwin, Kristina Krieger, Lindsey M. Mirkes, David G. Edwards, Jacob J. Capin, Shannon L. Lennon

117

Understanding Dietary Behaviors in Pre-school Children with Neurodevelopmental Disabilities

Lauren Krott, Carissa Baker-Smith, Anjana Bhat, Benjamin Brewer, Freddie Patterson, Shannon Robson

119

Weight bias among female undergraduates in health-related majors: A systematic review

Cash, H., Baum, S., Penn, H., Katz, S., Skubisz, C., Vizthum, D., Pacanowski, C.

121

Development of Speech Rhythm Among School Age Children

Grace Gervino, Janina Boecher, Ho Ming Chow, Emily Garnett, Soo-Eun Chang, Evan Usler

123

Feasibility and Fidelity of Two Play Education Programs for Parents of Infants

Evelyn Schloer, Julie M. Orlando, Smita Gopalakrishnan, Michele A. Lobo

ACKNOWLEDGEMENTS

Thank you to all the individuals who made today possible.

CHS Research Committee

Freddie Patterson, *Associate Dean for Research*
Vijay Parashar, *Medical and Molecular Sciences*
Tom Buckley, *Kinesiology and Applied Physiology*
Sayako Earle, *Communication Sciences and Disorders*
Jee Won Park, *Epidemiology*
Melissa Melough, *Health Behavior & Nutrition Sciences*
Xiaopeng Ji, *School of Nursing*
Karin Silbernagel, *Physical Therapy*
Maria Taylor, *CHS Facilities*

Coordination & Support

Gina Kinderman
Karen Sunkler
Kathy Kampe
Kristen Troy
Ashley Larrimore
Kelly Bachman

Abstract Reviewers

Adriana Verdezoto Alvarado
Alisha Rovner
Bhaswati Kashyap
Cesar Jacintho Mortiz
Charlotte Asiedu
Dave Edwards
David Ebaugh
DH Lee
Faith Stagge
Fei Ting Woon
Hayley Smitheman
Ho Ming Chow
Kelly Banas, *Gene Editing*
Lauren Covington
Mona Batish
Regina Wright
Sam Lee
Sanaz Taherzadeh
Shazia Shaukat
Tarang Parekh
Zackery White

Poster Reviewers

Community

Abigail Strang
Denise Taylor
Erika Geimonen
Greg Blackman
Heather Bitner-Fagan
Héc Maldonado-Reis
Joe Bryant
Josie Broussard
Julie Daly
Kim Canter
Mark Bendett
Seema Rani

College of Health Sciences

Beth Orsega-Smith – HBNS
Dan White – PT
Evan Usler – CSCD
Jen Semrau – KAAP
Katie Butera – PT
Lauren Covington – NURS
MaryAnn Eastep – HBNS
Mona Batish – MMS
Shannon Robson – HBNS
Sharon Dudley-Brown – NURS
Tarang Parekh – EPI
Virginia Hughes – MMS

