

JONATHAN M. KURKA, PhD

jkurka@asu.edu

EDUCATION

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|------|----------------------|-----------------------------------|---------------------------|
| 2016 | Doctor of Philosophy | Exercise and Nutritional Sciences | Arizona State University |
| 2011 | Master of Science | Exercise Physiology | Illinois State University |
| 2011 | Master of Science | Nutrition & Dietetics | Illinois State University |
| 2009 | Bachelor of Science | Exercise Science | Illinois State University |

EMPLOYMENT

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| 2023-present | Research Analyst, Senior Knowledge Enterprise, Arizona State University Establish enterprise policies, technology solutions, best practice guidance, training and services for researchers by organizing a community of researchers and research data professionals that understand ongoing research data management requirements while prioritizing and addressing the institutional needs. |
| 2018-2023 | Research Analyst, Senior Biostatistics Core, College of Health Solutions, Arizona State University Developed and maintained databases used to generate information for interpretation and presentation of results. Designed, coordinated, and conducted statistical analyses using various computer programming languages. Established and maintained office-based technology systems to aid in the effective administration of projects and activities. Supervisory and leadership experience within the Biostatistics Core unit and served as a unit representative at multiple research events and during unit's Director position vacancy (2 years). |
| 2021-2023 | Faculty Associate College of Health Solutions, Arizona State University <i>12 graduate degree credit hours</i> Taught statistical analyses applied to fields of Population Health, Nutrition, and Exercise Physiology. Designed lecture structure and course project while guiding student on critical review of peer-reviewed publications. |
| 2014-2022 | Research Data Manager and Analyst Consultant Evaluated higher education data and developing recommendations based on results for implementation. Processed data, developing protocols, and creating reports for data interpretation using SAS and R. Conducted latent variable modeling using SAS and Mplus. |
| 2011-2018 | Instructor School of Nutrition and Health Promotion, College of Health Solutions, Arizona State University <i>131 undergraduate degree credit hours, 3 graduate degree credit hours</i> Responsible for overall student competencies and abilities of more than 150 students per semester on Exercise Science, data management, and Research Statistics topics. Supervised thesis committees, independent studies, and course graders |
| 2015 | Instructor / Health, Physical Education, Recreation, and Dance Department, Scottsdale Community College <i>1 associates degree credit hour</i> Discussed and provided guidance on the educational requirements for Exercise Science jobs Evaluated students on class discussions and oral presentations Provided guidance to those with career indecision |
| 2009-2011 | Instructor of Record / Department of Kinesiology and Recreation, Illinois State University <i>37 undergraduate degree credit hours</i> Course design and instructor of students on sport technique and performance and First Aid certification |

PEER-REVIEWED PUBLICATIONS

1. Pearson J, et al. *Varenicline OTC Trial on Efficacy and Safety*. Nicotine & Tobacco Research. In Press.
2. Huberty J, Eckert R, **Kurka JM**, Laird B, Mesa R, Palmer J. *A Randomized Pilot Study of Online Hatha Yoga for Physical and Psychological Symptoms among Survivors of Allogeneic Bone Marrow Transplant*. International Journal of Yoga Therapy. Accepted June 2022.
 - Contributions: data management, data analysis, results interpretation, manuscript writing
3. Dahl-Popolizio S, Carpenter H, Coronado M, Popolizio NJ, Swanson C. *Telehealth for the Provision of Occupational Therapy: Reflections on Experiences During the COVID-19 Pandemic*. Int J Telerehabil. 2020; 12(2): 77–92.
 - Biostatistics Core referenced in analysis section

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Current as of 3/4/2024

- Contributions: data management, data analysis
4. Ross A, **Kurka JM**. *Predictors of active transportation among Safe Routes to School participants in Arizona: Impacts of distance and income*. Journal of School Health. 29 June 2021.
 - Contributions: data analysis, results interpretation, manuscript writing
 5. Tigges B, Sood A, Dominguez N, **Kurka JM**, Myers OB, Helitzer D. *Measuring Organizational Mentoring Climate: Importance and Availability Scales*. J Clin Translat Sci. 22 September 2020.
 - Contributions: design of data collection platform; implementing data collection
 6. Huberty J, Sullivan M, Green J, **Kurka J**, Leiferman J, Gold K, Cacciatore J. *Online yoga to reduce post-traumatic stress in women who have experienced stillbirth: a randomized control feasibility trial*. BMC Complement Med Ther 20, 173 (2020).
 - Contributions: data management; data analysis; manuscript writing
 7. Armstrong-Heimsmoth A, Hahn-Floyd M, **Kurka JM**, Williams H. *Former Foster System Youth: Perspectives on Translational Supports & Programs*. Journal of Behavioral Health Services and Research. February 2020.
 - Contributions: data management; data analysis; manuscript writing
 8. Troxel WM, Haas A, Ghosh-Dastidar B, Richardson AS, Hale L, Buysse DJ, Buman MP, **Kurka JM**, Dubowitz T. *Food Insecurity is Associated with Objectively Measured Sleep Problems*. Behavioral Sleep Medicine. September 2019.
 - Contributions: data management; descriptive analyses; results interpretation
 9. Huberty J, Eckert R, Larkey L, **Kurka J**, Rodriguez De Jesus S, Yoo W, Mesa R. *Smartphone-based meditation for myeloproliferative neoplasm patients: A feasibility study to inform future trials*. JMIR Form Res 2019;3(2):e12662.
 - Contributions: data analysis, results interpretation, manuscript writing and editing
 10. DeWeese R, Ohri-Vachaspati P, Adams MA, **Kurka JM**, Han SY, Todd M, Yedidia M. *Patterns of food and physical activity environments related to children's food and activity behaviors: a latent class analysis*. Health & Place 49, 19-29. January 2018.
 - Contributions: data analysis and interpretation; manuscript writing and editing
 11. Phillips CB, Engelberg JK, Cain KL, Geremia CM, Conway TL, Zhu W, **Kurka JM**, Sallis JF, Adams MA. *Online versus in-person comparison of Microscale Audit Pedestrian Streetscapes (MAPS) assessments: Reliability of alternate methods*. International Journal of Health Geographics 16 (1), 27. December 2017.
 - Contributions: data collection; interpretation of results; manuscript editing
 12. Zhu W, Sun Y, **Kurka J**, et al. *Reliability between online raters with varying familiarities of a region: Microscale Audit of Pedestrian Streetscapes (MAPS)*. Landscape and Urban Planning 167, 240-248. November 2017.
 - Contributions: data collection; interpretation of results; manuscript editing
 13. Todd M, Adams MA, **Kurka J**, Conway TL, Cain KL, Buman MP, Frank LD, Sallis JF, King AC. *GIS-measured walkability, transit, and recreation environments in relation to older adults' physical activity: A latent profile analysis*. Preventive Medicine 93 57-63. December 2016.
 - Contributions: interpretation of results; manuscript editing
 14. **Kurka JM**, Adams MA, Geremia C, Zhu W, Cain KL, Conway TL, Sallis JF. *Comparison of Field and Online Observations for Measuring Land Uses using the Microscale Audit of Pedestrian Streetscapes (MAPS)*. Journal of Transport & Health (3), 278-286. September 2016.
 - Contributions: data collection; data management and analysis; results interpretation; manuscript writing
 15. Adams MA, Todd M, **Kurka J**, Conway TL, Cain KL, Frank LD, Sallis JF. *Patterns of Walkability, Transit, and Recreation Environment for Physical Activity*. American Journal of Preventive Medicine 49 (6), 878-887. December 2015.
 - Contributions: interpretations of results; manuscript editing
 16. Huberty J, Ehlers DK, **Kurka J**, Ainsworth B, Buman M. *Feasibility of three wearable sensors for 24 hour monitoring in middle-aged women*. BMC Women's Health 15 (1), 55. December 2015.
 - Contributions: data management; interpretations of results; manuscript writing and editing
 17. **Kurka JM**, Adams MA, Todd M, et al. *Patterns of neighborhood environment attributes in relation to children's physical activity*. Health & Place 34, 164-170. July 2015.
 - Contributions: data management and analysis; interpretation of results; manuscript writing
 18. **Kurka JM**, Vezina J, Brown DB, Schumacher JR, Cullen RW, Laurson KR. *Combined Increases in Muscle-Strengthening Activity Frequency & Protein Intake Reveal Graded Relationship with Fat-Free Mass Percentage in U.S. Adults, NHANES (1999-2004)*. Journal of Frailty and Aging 4 (1), 26-33. 2014.
 - Contributions: project concept and design; data management and analysis; interpretation of results; manuscript writing

19. **Kurka JM**, Buman MP, Ainsworth BE. *Validity of the Rapid Eating Assessment for Patients for Assessing Health Risk in NCAA Athletes*. Journal of International Society of Sports Nutrition 11 (1), 42. December, 2014.
 - Contributions: data collection; data management and analysis; interpretation of results; manuscript writing
20. Vezina JW, Der Ananian CA, Greenberg E, **Kurka J**. *Sociodemographic Correlates of Meeting the US Department of Health and Human Services Muscle Strengthening Recommendations in Middle-Aged and Older Adults*. Preventing Chronic Disease 11. 2014.
 - Contributions: manuscript editing
21. Buman MP, Winkler EAH, **Kurka JM**, et al. *Reallocating Time to Sleep, Sedentary Behaviors, or Active Behaviors: Associations With Cardiovascular Disease Risk Biomarkers, NHANES 2005-2006*. American Journal of Epidemiology 179 (3), 323-334. December 2013.
 - Contributions: data analysis; interpretation of results; manuscript writing
22. Buman MP, **Kurka JM**, Winkler EAH, et al. *Estimating replacement effects of accelerometer-derived physical activity and self-reported sleep duration on chronic disease biomarkers*. Journal of Science and Medicine in Sport 15 (1), S76. December 2012
 - Contributions: data analysis; interpretation of results; manuscript writing

NON-REVIEWED PUBLICATIONS

1. Bassett DR, Janz KF, Francis S, Ainsworth BE, and **Kurka JM**. *National Collegiate Fitness Index 2015 Report: Supporting Active Lifestyles at Colleges and Universities*. September 2015.
 - Contributions: data management and analysis; interpretation of results; report writing
2. **Kurka JM**, Buman MP, Saunders, T. *Time is of the essence: How to best spend 30 minutes for your health*. Obesity Panacea (http://blogs.plos.org/obesitypanacea/2014/09/09/time-is-of-the-essence-how-to-best-spend-30-minutes-for-your-health/?utm_source=feedburner&utm_medium=feed&utm_campaign=Feed%3A+plos%2Fblogs%2Fobesitypanacea+%28Blogs+-+Obesity+Panacea%29). September 9, 2014.
 - Contributions: report writing

ABSTRACTS

1. Wardenaar F, et al. *Fermented whey product intake is associated with reduced self-perceived gastrointestinal symptoms in well-trained athletes*. ACSM. Denver, CO. February 2023.
2. Troxel WM et al. *Food Insecurity is Associated with Objectively and Subjectively Measured Sleep*. SLEEP. San Antonio, TX. June 2019
3. Phillips CB, Engelberg JK, Cain KL, Geremia CM, Conway TL, Zhu W, **Kurka JM**, Sallis JF, Adams MA. *Online versus in-person comparison of the Microscale Audit of Pedestrian Streetscapes (MAPS) observation tool: Reliability of alternate methods*. APHA. November 2017.
4. DeWeese R, Ohri-Vachaspati P, Adams MA, **Kurka JM**, Han SY, Todd M, Yedidia M. *Using latent class analysis to examine associations between food and physical activity environmental patterns and children's food and activity behaviors*. APHA. November 2016.
5. **Kurka JM**, Adams MA, Geremia CM, et al. *Validity of Google Earth Aerial and/or Street Views for Measuring Land Uses: Comparisons to Field Observations*. Act Living Res. San Diego, CA. 2015.
6. Zhu W, **Kurka JM**, Geremia C, Hooker S, Cain KL, Conway TL, Sallis JF, Adams MA. *Reliability of Google Earth Microscale Audit of Pedestrian Streetscapes (GMAPS) between raters with varied familiarities of a region*. Act Living Res. San Diego, CA. 2015.
7. Huberty J, Ehlers D, **Kurka JM**, Ainsworth BE, Buman MP. *Feasibility of 24-hour monitoring of sleep, sedentary, and active behaviors with objective sensors in middle-aged women*. International Society for Behavioral Nutrition and Physical Activity. 2014.
8. **Kurka JM**, Buman MP, Crespo NC, Ainsworth BE. *Moderate-to-Vigorous Physical Activity and Sleep Duration Associate with Greater Odds of Hypertension: NHANES 2005-2008*. American College of Sports Medicine. 2014.
9. Todd, M., Adams, MA., **Kurka, JM.**, Conway, T., Cain, KL., Frank, LD., Sallis, JF. *Latent Profile Analysis of GIS-Measured Walkability, Transit and Recreation Environments for Physical Activity*. Society of Behavioral Medicine. March 2014.
10. **Kurka JM**, Adams MA, Todd M, Sallis JF, Colburn T, Cain KL, Kerr J, Frank LD, Glanz K, Saelens, BE. (2014). *A Latent Profile Analysis of Children's' Neighborhoods in Relation to Physical Activity Outside of School*. Oral presentation at the Active Living Research Annual Conference. San Diego, CA. March 9-12, 2014.
11. **Kurka, J.**, Buman, MP., Gevirtz, B., Erickson, S., Overlin, A., Ainsworth, BE. *Assessment of Eating Behavior Patterns using Factor Analysis in NCAA Athletes*. American College of Sports Medicine. May 2013.
12. Buman, MP., Winkler, EAH., **Kurka, JM.**, Hekler, EB., Owen, N., Ainsworth, BE., Healy, GN., Gardiner, PA. *Sedentary/active Behaviors and Cardiometabolic Risk: Protective Effects of Sleep Duration, NHANES 2005-2006*. American College of Sports Medicine. May 2013.

13. Buman, MP, **Kurka, J.**, Winkler, E., Gardiner, P., Hekler, EB, Healy, G., Owen, N., Baldwin, CM, Ainsworth, BE. *Estimated replacement effects of accelerometer-derived physical activity and self-reported sleep duration on chronic disease biomarkers.* International Council on Physical Activity and Public Health. October 2012.
14. **Kurka, J.**, Ainsworth, BE., Gevirtz, B., Buman, MP., Erickson, S., Overlin, A. *Eating Behavior Patterns of Aesthetic and Non-aesthetic Sport NCAA Athletes.* Southwest Chapter of the American College of Sports Medicine. October 2012.
15. **Kurka, J.**, Laurson, K., Cullen, R., Brown, D., Schumacher, J. *Effects of Muscle Strengthening Activities and Protein Intake on Fat-free Mass Percentage in US Adults.* American College of Sports Medicine. May 2012.
16. Lagally KM, O'Hara S, Amorose AJ, Suhadolnik L, **Kurka J.** *Comparison of Affective Responses to Exercise When Intensity is Self-selected versus Imposed.* American College of Sports Medicine. May 2012.
17. **Kurka, J.**, Meckes, N., Vezina, J., Ainsworth, BE. *Oxygen Cost of Household Activities.* Southwest Chapter of the American College of Sports Medicine Conference. October 2011.

GRANTS (as primary award recipient)

- **Kurka JM**, Buman MP, Crespo N, Ainsworth BA. *Moderate-to-Vigorous Physical Activity and Sleep Duration Associated with Hypertension: NHANES 2005-2006.* John and Elizabeth Ainsworth Travel Grant. **\$1,000.** April 2014. AWARDED.
- **Kurka, JM.**, Buman, MP., Angadi, S., Ainsworth, BE. *Effect of Acute Exercise on Sleep in Poor Sleepers.* Graduate & Professional Student Association, **\$2,000.** January 2014. AWARDED.
- **Kurka, JM.** *Assessment of Eating Behavior Patterns using Factor Analysis in NCAA Athletes.* John and Elizabeth Ainsworth Travel Grant. **\$1,000.** May 2013. AWARDED.
- **Kurka, JM.** *Effects of Muscle Strengthening Activities and Protein Intake on Fat-free Mass Percentage in US Adults.* John and Elizabeth Ainsworth Travel Grant. **\$1,000.** May 2012. AWARDED.
- **Kurka, JM.**, Ainsworth, BE., Buman, MP. *Physical Activity, Sleep, and Ambulatory Blood Pressure.* ACSM Paffenbarger-Blair Fund. **\$10,000.** January 2013. Not awarded.
- **Kurka, J.**, Ainsworth, BE., Gaesser, G., Sweazea, K., Vega-Lopez, S. *Exercise and Fructose-Induced Endothelial Dysfunction.* ACSM Doctoral Student Research Grant. **\$5,000.** January 2012. Not awarded.

INVITED LECTURES & DATA PRESENTATIONS

1. How to Manage Data using REDCap
 - 'How-to' Series (2022-2023); Biostatistics Core, College of Health Solutions, Arizona State University
2. Enhancing Research Efficiency and Capabilities with ASU's Biostatistics Core
 - Unit Representative (2019-2021); Grants, Research, and Sponsored Projects Conference, Arizona State University
3. REDCap Overview: Use Cases for Speech and Hearing Science Applications
 - Training Series (2021); Speech and Hearing Sciences, College of Health Solutions, Arizona State University
4. Conducting Contactless Electronic Consent using REDCap
 - Training Event (2020). Office of the Dean of Research, College of Health Solutions, Arizona State University
5. Exercise and Flexibility to Enhance Sleep: Scientific and Practical Solutions
 - Invited Lecture (2018). Osher Lifelong Learning Institute Lecture Series, Arizona State University
6. Non-normal Data Analysis Using SPSS
 - Training Event (2018). Department of Occupational Therapy, Northern Arizona University
7. The Non-tenure Track Role in Academia
 - Invited Lecture (2016); College of Health Solutions, Arizona State University
8. Exercise and Sleep: Tracking the Bidirectional Relationship
 - Data Presentation (2015); Southwest Chapter, American College of Sports Medicine
9. Validity of Google Earth Aerial and/or Street Views for Measuring Land Uses
 - Data Presentation (2015); College of Health Solutions, Arizona State University
 - Data Presentation (2015); Active Living Research Conference
10. MVPA and Sleep Duration Associate with Greater Odds of Hypertension
 - Thematic Poster (2014). American College of Sports Medicine
11. Latent Profile Analysis of Children's Neighborhoods in Relation to Physical Activity Outside of School
 - Data Presentation (2014); Active Living Research Conference
 - Data Presentation (2013); College of Health Solutions, Arizona State University
12. Achieving Wellness
 - Invited Lecture (2010); Illinois Wesleyan University

SERVICE

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|--------------|--|----------------------------------|
| 2021-present | Member, REDCap Administrators Group | Knowledge Enterprise, ASU |
| 2020-2023 | Member, TT/NTE Biostatistics Faculty Hire Committee | College of Health Solutions, ASU |
| 2019-2020 | Chair, Data Quality in Electronic Data Capture Committee | College of Health Solutions, ASU |

Jonathan M. Kurka
Current as of 3/4/2024

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| 2018 | Chair, CHS Research Infrastructure Committee | College of Health Solutions, ASU |
| 2017 | Volunteer Judge, Statistics in Secondary Education Contest | Arizona Chapter, American Statistical Association |
| 2014-2016 | Advisor, Undergraduate Program | College of Health Solutions, ASU |
| 2012-2014 | Member, Executive Planning Committee | Building Healthy Lifestyles Conference |

PROFESSIONAL DEVELOPMENT

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| 2022 | ASU Spark Method Facilitator Certification | Organizational Performance Office, ASU |
| 2020 | Learning & Workforce Development | CareerEDGE, ASU |
| 2020-2021 | Staff Mentoring Program | College of Health Solutions, ASU |
| 2020 | Lean Six Sigma Yellow Belt Certificate | Schools of Engineering, ASU |
| 2018 | Quasi-Experimental Design | Claremont University |
| 2017 | Corrective Exercise Specialist | National Academy of Sports Medicine |
| 2016 | Introduction to R for Data Science | edX |
| 2016 | Breaking Bad Communication | Skill Path National Seminars Training |
| 2009 | Health Promotion Director Certificate | Cooper Aerobic Center |
| 2009-present | Certified Exercise Physiologist | American College of Sports Medicine |

MEMBERSHIPS

REDCap Consortium
Data Management International

SPECIAL SKILLS

R, SAS, SPSS, Mplus, Excel - data organization, management, statistical analyses, and the inter-functionality of these programs
Microsoft Office - proficient in Word, Excel, PowerPoint, and Access including mail merge, data entry/analysis, and data reporting
REDCap – data manager, analyst, and administrator capabilities