JONATHAN M. KURKA, PhD

jkurka@asu.edu; ORCiD; Google Scholar; Zotero; LinkedIn

BIO

Jonathan Kurka is an Associate Director within ASU's Research Technology Office and leads a team that curates and supports research data management tools and activities to provide research teams with best practices and guidance spanning the research data lifecycle. This includes providing guidance for regulated and non-regulated: Data Management and Sharing Plans, data collection tools and workflows, and data sharing and publishing in collaboration with the ASU Library. He earned his PhD from ASU's College of Health Solutions in 2016 and has over 10 years of experience in research data management positions on grants and at the college and university levels of academia.

EMPLOYMENT

2025-present Associate Direction, Research Data Management Office | Knowledge Enterprise, Arizona State University

Direct a research data management team to establish and provide enterprise-level practices, services, and training that advance institutional research goals while partnering with researchers to support their research data lifecycle requirements.

2023-2025 **Research Analyst, Senior** | Knowledge Enterprise, Arizona State University

Deliver research data lifecycle support through enterprise-level standards, training, and services that advance compliance, reproducibility, and institutional priorities. Lead cross-institutional collaborations with ASU Library, central IT, faculty, and regional partners while managing risks, communications, and strategic project deliverables.

2018-2023 **Research Analyst, Senior** | Biostatistics Core, College of Health Solutions, Arizona State University

Collaborated with and directed research teams on data collection and database development solutions and designed, coordinated, and conducted statistical analyses. Provided insight on college-level operational and strategic planning. Served as the Biostatistics Core unit representative during its Director position vacancy (2 years), served on the hiring committee to fill the position (1 year), and supervised junior analysts (8 months).

2021-2023 Faculty Associate | College of Health Solutions, Arizona State University

12 graduate degree credit hours

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. Processedg 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

131 undergraduate degree credit hours, 3 graduate degree credit hours

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

l associates degree credit hour

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

37 undergraduate degree credit hours

Course design and instructor of students on sport technique and performance and First Aid certification

RESEARCH EXPERIENCE

2022-2023 Community Health Worker Training Program – HRSA T29; PI: Mindy McEntee

Scope: developed data management plan, implemented initial stages of data management plan

2018-202 Varenicline OTC Trial on Efficacy and Safety; NIH R01 DA044125; PI: Scott Leischow

Scope: consulted on randomization scheme; oversee data collection protocol; data management and creation of Data Safety Monitoring reports using SAS; design and implementation of e-consent protocol in RCT

Jonathan M. Kurka Current as of 11/21/2025

2017-2022	Native American Sleep Health and Wellness; NIH R01 MD012190-01; PI: W Troxel, SubPI: M Buman
	Scope: develop and maintain protocols for processing 24-hour accelerometer data in R & SAS; manage intensive data sets and code algorithms to
	process and summarize physical activity and sleep behaviors; create descriptive summary reports and discuss results with research team
2020-2021	COVID-19 Diagnostics Commons – Workplace Commons; Rockefeller Foundation; PI: M Aspinall
	Scope: data management and creation of summary reports
2019-2020	Yoga Online: Interconception Care to Prevent PTSD Symptoms After Stillbirth; NIH 5R34AT008808; PI: J Huberty
	Scope: data management and data analysis using SPSS; manuscript writing
2019-2020	Veteran's Survey to Examine VA Experience; PI: D Helitzer
••••	Scope: develop REDCap database to collect data; data analysis and creation of summary reports
2015-2018	Neighborhood Change: Impact on Sleep and Obesity-Related Health Disparities; NIH R01 HL122460 04
	PI: W Troxel, SubPI: M Buman
	Scope: develop and maintain protocols for processing 24-hour accelerometer data in R, SAS, and Excel; manage intensive data sets and code
	algorithms to process and summarize physical activity and sleep behaviors; create descriptive summary reports and discuss results with research team
2014-2016	New Jersey Child Health Study; NIH R01 HD071583-01A1, RWJF #64253 unfunded role; PI: P Ohri-Vachaspati
	Scope: latent class analysis of survey data on neighborhood built environment features using MPlus; manuscript writing
2014	National Collegiate Fitness Index; NAK, ACSM, & AKA joint venture; funded consultant;
	PI: D Bassett, Co-I: BE Ainsworth, K Glanz, J Kurka
	Link: http://www.americankinesiology.org/national-collegiate-fitness-index
	Scope: lead team in determining scoring criteria of nation-wide survey; data management in Excel and Word; creation of summary reports
2014	UNICEF Kid Power; PI: J Huberty, Co-I: M Buman
	Scope: develop and maintain protocols for processing 24-hour accelerometer data; create descriptive summary reports and discuss results with
	research team
2014	Physical Activity and Sleep Accelerometer Data; PI: J Huberty, Co-I: D Ehlers, M Buman
	Scope: develop and maintain protocols for processing 24-hour accelerometer data; create descriptive summary reports and discuss results with research team; manuscript writing
2012-2014	Neighborhood Patterns in Relation to Physical Activity; AHA #12BGIA9280017; PI: M Adams
2012 2014	Total notified Tatterns in relation to Thysical February, 71111 1112DOIN 200017, 11. W. Maulis

PEER-REVIEWED PUBLICATIONS

1. Pearson J, Nides M, Cataldo A, Martinez M, Morales J, Seltzer R, Kurka J, Broussard M, Leischow S. *Varenicline OTC Trial on Efficacy and Safety*. Nicotine & Tobacco Research. December 2024.

Scope: collect built environment characteristics and utilize Access for data management; conduct latent profile analysis in Mplus; manuscript

- Contributions: data management, results interpretation, manuscript writing
- 2. Wardenaar FC, Mohr AE, Ortega-Santos CP, Nyakayiru J, Kersch-Counet C, Chan Y, Clear AM, Kurka J, Seltzer R. Explorative characterization of GI complaints, general physical and mental well-being, and gut microbiota in trained recreative and competitive athletes with or without self-reported gastrointestinal symptoms. Nutrients. January 2024.
 - Contributions: data management, results interpretation
- 3. 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 Allogenic Bone Marrow Transplant. International Journal of Yoga Therapy. (2022) 32 (2022): Article 12.
 - Contributions: data management, data analysis, results interpretation, manuscript writing
- **4.** 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
 - Contributions: data management, data analysis
- 5. 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
- **6.** 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
- 7. 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

...additional information available upon request

- 8. 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
- **9.** 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
- 10. 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
- 11. 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
- 12. Phillips CB, Engelberg JK, Cain KL, Geremia CM, Conway TL, Zhu W, Kurka JM, Sallis JF, Adams MA. Online versus inperson 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
- 13. 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
- **14.** 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
- 15. 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
- **16.** 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
- 17. 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
- 18. 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
- 19. 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
- **20.** 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
- 21. 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
- 22. 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

23. 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 inperson 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

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DEITTICE		
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
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

2024	ASU Emerging Supervisor Pathway (1 year supervisory experience)	Learning and Workforce Development, ASU
2020-2021	Staff Mentoring Program	College of Health Solutions, ASU
2017	Corrective Exercise Specialist	National Academy of Sports Medicine
2009-present	Certified Exercise Physiologist	American College of Sports Medicine
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... primary completions listed; additional listings available upon request

EDUCATION

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

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