Asher Yoel Rosinger, PhD MPH

Curriculum Vitae

110 Biobehavioral Health Bldg, University Park, PA 16802
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Updated 05/2026

CURRENT POSITIONS

2023–present **Associate Professor, The Pennsylvania State University (PSU)**
Department of Biobehavioral Health | Department of Anthropology
Director of Water, Health, & Nutrition Laboratory

2023–present **Program Area Leader for Environmental Health Sciences initiative**
College of Health and Human Development, PSU

2017–present **Faculty Associate**
Demography Training Program, Population Research Institute, PSU

PAST POSITIONS

2019–2022 **Ann Atherton Hertzler Early Career Professor in Global Health, PSU**

2017–2023 **Assistant Professor, PSU**

EDUCATION AND TRAINING

2015–2017 **Epidemic Intelligence Service**
Centers for Disease Control and Prevention
National Center for Health Statistics; Supervisor: Cynthia Ogden

2008–2015 **PhD Anthropology**
The University of Georgia
Dissertation: Hydration Strategies, Nutrition, and Health during a Lifestyle Transition in the Bolivian Amazon

2010–2012 **MPH Epidemiology**
The University of Georgia

2003–2007 **BA Anthropology & Psychology**, highest distinction
The University of North Carolina at Chapel Hill

PUBLICATIONS

Peer-Reviewed Journal Articles (n=105: 41 first author, 14 senior/corresponding author)
(As of June 3, 2026, Google scholar citations: 5501; h-index: 43; i10-index: 75)
[(UG) undergraduate student mentee, (GR) graduate student mentee, (PD) postdoctoral mentee; HWISE-RCN authorship represents roles of data collection as site PI in Bolivia, intellectual contribution to manuscript, and conveys same responsibility for content as front-listed authorship]

2026/In press

1. **Rosinger AY**. (2026). Water and nutrition in a rapidly changing world: Introduction to the special issue. Journal of the Academy of Nutrition and Dietetics. 126(6): 156319. https://www.jandonline.org/article/S2212-2672(26)00034-1/fulltext
2. **Rosinger AY**, Young SL. (2026). The intersection of tap water avoidance, food insecurity, and sugar-sweetened beverage intake among US 2–17-year-olds. American Journal of Preventive Medicine: 70(1): 108104. DOI: 10.1016/j.amepre.2025.108104
3. Broyles L(PD), Ford L(GR), Barnhart K(UG), Deshpande S(UG), Todd M(UG), Morse E(UG), Boser S, Fowler LB, Warner A, **Rosinger AY (Senior, corresponding author**). (2026). Water Insecurity, social perspectives, and health impacts in private drinking water sources in

Pennsylvania: Two systematic literature reviews. WIREs Water: 13(1): e70049. 10.1002/wat2.70049

4. Roba KT[(PD)], Roba AA, Hassen JY, Thompson G, Brewis A, **Rosinger AY** (**Senior author**). (2026). Household water insecurity is associated with greater likelihood of early exclusive breastfeeding cessation and diarrhea among children aged 6-59 months in Ethiopia: Data from Haramaya University Health and Demographic Surveillance System. Journal of the Academy of Nutrition and Dietetics. https://doi.org/10.1016/j.jand.2026.156303
5. Deshpande S[(UG)], Huanca T, Conde E, **Rosinger AY** (**Senior**, **corresponding**). (2026). Water insecurity is associated with sugar-sweetened beverage intake in a small-scale population in Lowland Bolivia experiencing lifestyle changes. Journal of the Academy of Nutrition and Dietetics https://doi.org/10.1016/j.jand.2025.01.010.
6. Bauchet J, Godoy RA, Leonard WR, Reyes-Garcia V, **Rosinger AY,** Tanner S, Undurraga EA (alphabetical). (2026). Long panel studies of small-scale rural societies in the Global South: What is their value, why are they rare, and suggestions to make them happen. World Development. 206: 107452. https://doi.org/10.1016/j.worlddev.2026.107452
7. Stoler J, Pearson AL, Jepson WE, & HWISE-RCN (**Rosinger AY**). (In press). Should we stay or should we go? Household water insecurity is associated with higher residential mobility ideation. Water International. https://doi.org/10.1080/02508060.2026.2667066
8. Thomson P, Beresford M, Hossain J, Jacob C, Jordão C, Medina-Ramírez O, ... Wutich A, & **Arizona Water for All Consortium** (**Rosinger AY)**. (2026). Addressing Failing Water Systems: A Qualitative Protocol for Intervention Research on Water Insecurity. International Journal of Qualitative Methods, 25, 16094069261432752.

2025

9. **Rosinger AY**, McGrosky A, Jacobson H[(GR)], Hinz E[(GR)], Sadhir S[(GR)], Wambua F, Otube T[(UG)], Baker L[(UG)], Sherwood A[(UG)], Chrissy-Mbeng T[(UG)], Broyles L[(PD)], Musumeci C[(UG)], Meriwether N[(UG)], Bobbie N[(UG)], Farrar Z[(UG)], Todd M[(UG)], Nguyen Z[(UG)], Berger G[(UG)], Ford L[(GR)], Braun D, Douglass M, Hunter M, Farquhar W, Kenney WL, Sands J, Nzunza R, Ndiema E, Pontzer H. (2025). Drinking water NaCl is associated with hypertension and albuminuria: A panel study. Hypertension 82(8):1368-1378: doi/10.1161/HYPERTENSIONAHA.125.24751
10. Roba KT[(PD)], Jacobson H[(GR)], McGrosky A, Sadhir S[(GR)], Ford LB[(GR)], Pfaff M[(GR)], Kim EY[(GR)], Douglass M, Braun DR, Ndiema E, Urlacher SS, Pontzer H, **Rosinger AY** (**Senior**, **corresponding**). (2025). Chronic stress and severe water insecurity during the historic 2022 drought in northern Kenya are associated with inflammation among Daasanach semi-nomadic pastoralists. American Journal of Human Biology. 37(2): e70009 doi.org/10.1002/ajhb.70009
11. Baker L[(UG)], Jacobson H[(GR)], McGrosky A, Hinz E[(GR)], Wambua F, Sherwood A[(UG)], Mbeng T-C[(UG)], Nzunza R, Braun DR, Ndiema E, Pontzer H, **Rosinger AY** (**Senior**, **corresponding**). (2025). Ambient temperature and wet bulb globe temperature outperform heat index in determining hydration status and heat perception in a semi-arid environment. Annals of Human Biology. 52(1): 2456152, https://doi.org/10.1080/03014460.2025.2456152
12. Roba KT [(PD)], Asefa G, Fite MB, Oumer A, Abdurahman D, Motuma A, Yilma AN, Thompson G, Brewis A, **Rosinger AY (senior author).** (2025). Subclinical vitamin A deficiency and associated factors among pregnant women in eastern Ethiopia. Frontiers of Nutrition. 12:1556074. doi: 10.3389/fnut.2025.1556074
13. McGrosky A, Ford L[(GR)], Hinz E[(GR)], Sadhir S[(GR)], Wambua F, Braun DR, Douglass M, Ndiema E, Nzunza R, **Rosinger AY**, Pontzer H. (2025). High water turnover, hydration status and heat stress across the life course in an arid/semi-arid climate. Evolution, Medicine, and Public Health: eoaf017. https://doi.org/10.1093/emph/eoaf017

14. McGrosky A, Luke A, Arab L, Bedu-Addo K, Bonomi AG, Bovet P, Brage S, Buchowski MS, Butte N, Camps SG, Casper R, Cummings DK, Krupa Das S, Deb S, Dugas LR, Ekelund U, Forrester T, Fudge BW, Gillingham M, Goris AH, Gurven M, Hambly C, Joosen A, Katzmarzyk PT, Kempen KP, Kraus WE, Kriengsinyos W, Kuriyan R, Kushner RF, Lambert EV, Larsson CL, Leonard WR, Lessan N, Löf, M, Martin CK, Medin AC, Neuhouser ML, Pietilainen KH, Plasqui G, Prentice RL, Racette SB, Raichlen DA, Ravussin E, Redman L, Reynolds RM, Rimm EB, Roberts S, **Rosinger AY**, Samuels MH, Sinha S, Snodgrass JJ, Stice E, Uauy R, Urlacher SS, Verbunt JA, Wolfe B, Wood B, Zhang X, Murphy-Alford AJ, Loechl CJ, Rood J, Sagayama H, Schoeller DA, Westerterp KR, Wong WW, Yamada Y, Speakman J, Pontzer H, & The IAEA DLW Database Consortium. 2025. Energy expenditure and obesity across the economic spectrum. Proceeding of the National Academy of Sciences. 122 (29): e2420902122. https://doi.org/10.1073/pnas.2420902122
15. Pearson AL, Jepson W, Brewis A, Osborne-Gowey J, Wutich A, Beresford M, **Rosinger AY**, Enders AM, Stoler J, & HWISE-USA Consortium. (2025). A protocol for the development of a validated scale of household water insecurity in the United States: HWISE-USA. PLOS One. 20(8): e0330087. https://doi.org/10.1371/journal.pone.0330087
16. Jepson W, Wutich A, Pearson AL, Beresford M, Brewis A, Cooperman A, Osborne-Gowey J, Rempel J, **Rosinger AY**, Stoler J. (2025). Beyond peak water security: Household-scale experiential metrics can offer new perspectives on contemporary water challenges in the United States. PLOS Water. 4(8): e0000413: https://doi.org/10.1371/journal.pwat.0000413
17. Brewis A, Jepson W, **Rosinger AY**, Stoler J, Workman C, Wutich A, Young S. (2025). Interacting Water Insecurity and Food Insecurity: Recent Advances in Theory and Application. American Journal of Human Biology 37: e70052. doi.org/10.1002/ajhb.70052
18. Sadhir S[(GR)], McGrosky A, Ford LB[(GR)], Nzunza R, Wemanya SN, Mashaka H, Kinyanjui RN, Ndiema E, Braun DR, **Rosinger AY**, Pontzer H. (2025). Physical activity and pregnancy norms among Daasanach semi-nomadic pastoralist women in Northern Kenya. American Journal of Human Biology. 37(1): e24174: https://doi.org/10.1002/ajhb.24174
19. Beresford M, Adams E, Budds J, Harris L, Jepson W, Marley T, Nguyen C, Pearson A, Roque A, **Rosinger AY**, Shah S, Stellbauer M, Wutich A (Alphabetical after Beresford). (2025). Can household water sharing help advance water security? An integrative review of water entitlements and entitlement failures across 14 years of scholarship. Environmental Research Letters: 20: 013003 https://doi.org/10.1088/1748-9326/ad9851

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20. **Rosinger AY,** Stoler J, Ford LB[(GR)], McGrosky A, Sadhir S[(GR)], Ulrich M, Todd M[(UG)], Bobbie N[(UG)], Nzunza R, Braun DR, Ndiema EK, Douglass MJ, Pontzer H. (2024). Mobility ideation due to water problems during historic 2022 drought associated with livestock wealth, water and food insecurity, and fingernail cortisol concentration in northern Kenya. Social Science & Medicine: 359: 117280: https://doi.org/10.1016/j.socscimed.2024.117280.
21. **Rosinger AY,** Young SL. (2024). Trends and disparities in tap water avoidance and household food insecurity among US children. Nature Water 2(7): 638-648 https://doi.org/10.1038/s44221-024-00261-2
22. **Rosinger AY**, John JD[(UG)], Murdock K. (2024). Ad libitum dehydration is associated with poorer performance on a sustained attention task but not other measures of cognitive performance among middle-to-older aged community-dwelling adults: A short-term longitudinal study. American Journal of Human Biology: 36(6): e24051. https://doi.org/10.1002/ajhb.24051
23. Broyles L[(PD)], Huanca T, Conde E, **Rosinger AY** (**Senior, corresponding**). (2024). Water insecurity may exacerbate food insecurity even in water-rich environments: evidence from

the Bolivian Amazon. Science of the Total Environment: 964: 176705 https://doi.org/10.1016/j.scitotenv.2024.176705

24. Frongillo EA, Bethancourt HJ, Miller JD, Young SL, Household Water Insecurity Experiences (HWISE)-Research Coordination Network (RCN) (**Rosinger AY**). (2024). Identifying ordinal categories for the Water Insecurity Experience Scales. Journal of Water, Sanitation and Hygiene for Development: 14 (11): 1066–1078 https://doi.org/10.2166/washdev.2024.042.
25. Jankovic-Radovic J, Roque A, **Rosinger AY**, Adams EA, Pearson A, Lloréns H, Garcia-Quijano C, Stoler J, Harris LM, Wutich A, Brewis A. (2024). Household Water Sharing: Implications for Disaster Recovery and Water Policy. Water Security: 23: 10017: https://doi.org/10.1016/j.wasec.2024.100178.
26. Godoy R, Leonard WR, Huanca T, McDade T, Reyes-Garcia V, **Rosinger A**, Tanner S. (2024). Adult knowledge of wild plants associated with limited delayed health and nutritional benefits for children or adults in the face of external change: A yearly panel (2003-2010) study among Tsimane', an Indigenous Amazonian society in Bolivia. Evolution and Human Behavior: 45(5): 106594. https://doi.org/10.1016/j.evolhumbehav.2024.106594
27. Pauley A, **Rosinger AY**, Savage J, Conroy D, Symons Downs D. (2024). Every Sip Counts: Understanding hydration behaviors and user-acceptability of digital tools to promote adequate intake during early and late pregnancy. PLOS Digital Health: 3(5): e0000499. https://doi.org/10.1371/journal.pdig.0000499
28. McGrosky A, Swanson ZS, Rimbach R, Bethancourt H, Ndiema E, Nzunza R, Braun DR, **Rosinger AY**, Pontzer H. (2024). Total daily energy expenditure and elevated water turnover in a small-scale semi-nomadic pastoralist society from northern Kenya. Annals of Human Biology: 2310724. https://doi.org/10.1080/03014460.2024.2310724
29. Thomson, P., Pearson, A. L., Kumpel, E., Guzmán, D. B., Workman, C. L., Fuente, D., Wutich A, Stoler J, & Household Water Insecurity Experiences Research Coordination Network (HWISE-RCN: **Rosinger AY**). (2024). Water Supply Interruptions Are Associated with More Frequent Stressful Behaviors and Emotions but Mitigated by Predictability: A Multisite Study. Environmental Science & Technology: 58(16): 7010-7019. https://doi.org/10.1021/acs.est.3c08443.
30. Godoy R, Bauchet J, Behrman JR, Huanca T, Leonard WR, Reyes-Garcia V, **Rosinger A**, Tanner S, Undurraga EA, Zycherman A. (2024). Changes in adult well-being and economic inequalities: An exploratory observational longitudinal study (2002-2010) of micro-level trends among Tsimane', a small-scale rural society of Indigenous People in the Bolivian Amazon. World Development 176:106518 https://doi.org/10.1016/j.worlddev.2023.106518
31. Mathew G, Nahmod NG, Master L, Reichenberger DA, **Rosinger AY**, Chang A-M. (2024). Effects of a 1-hour per night week-long sleep extension in college students on cardiometabolic parameters, hydration status, and physical activity: A pilot study. Sleep Health: 10(1):S130-S139. https://doi.org/10.1016/j.sleh.2023.10.006

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32. **Rosinger AY**. (2023). Water Needs, Water Insecurity, and Human Biology. Annual Review of Anthropology. 52: 93-113. https://doi.org/10.1146/annurev-anthro-052721-090331
33. **Rosinger AY**. (2023). Extreme climatic events and human biology and health: A primer and opportunities for future research. American Journal of Human Biology. 35(1):e23843 https://doi.org/10.1002/ajhb.23843
34. **Rosinger AY,** Rosinger K, Barnhart K[(UG)], Todd M[(UG)], Hamilton T[(UG)], Aries K, Nate D. (2023). When the flood passes, does health return? A short panel examining water and food insecurity, nutrition, and disease after an extreme flood in lowland Bolivia. American Journal of Human Biology. 35(1):e23806 https://doi.org/10.1002/ajhb.23806

35. **Rosinger AY,** Bethancourt HJ, Young S. (2023). Tap water avoidance is associated with lower food security in the US: Evidence from NHANES 2005-2018. Journal of the Academy of Nutrition and Dietetics. 123(1):29-40. https://doi.org/10.1016/j.jand.2022.07.011
36. **Rosinger AY**, Broyles LMT[(PD)]. (2023). Water insecurity is a structural, often invisible barrier to healthy beverage patterns and nutritious diets. (Invited Commentary). Journal of Nutrition, 153(11): 3153-3155. https://doi.org/10.1016/j.tjnut.2023.09.015
37. Bethancourt HJ[(PD)], Swanson ZS[(GR)], Nzunza R, Young S, Lomeku L, Douglass M, Braun DR, Ndiema E, Pontzer H, **Rosinger AY (Senior, corresponding)**. (2023). The co-occurrence of water insecurity and food insecurity among Daasanach agro-pastoralists in northern Kenya. Public Health Nutrition. 26(3): doi.org/10.1017/S1368980022001689
38. Ford L[(GR)], Bethancourt HJ[(PD)], Swanson ZS[(GR)], Nzunza R, Wutich A, Brewis A, Young S, Almeida D, Douglass M, Ndiema E, Braun DR, Pontzer H, **Rosinger AY (Senior, corresponding)**. (2023). Water borrowing, water insecurity, and psychosocial stress among Daasanach pastoralists in Northern Kenya. Water International, 48(1):63-86. https://doi.org/10.1080/02508060.2022.2138050
39. Swanson ZS, Bethancourt H, Nzunza R, Saunders J, Ndiema E, Braun D **Rosinger AY**, Pontzer H. (2023). The effects of lifestyle change on indicators of cardiometabolic health in semi-nomadic pastoralists. Evolution, Medicine, & Public Health, 11(1): 318-331. https://doi.org/10.1093/emph/eoad030
40. Rhue SJ, Torrico G, Amuzie C, Collins SM, Lemaitre A, Workman CL, **Rosinger AY**, Pearson A., Piperata BA, Wutich A, Brewis A, & Stoler J. (2023) The effects of household water insecurity on child health and well-being. WIREs Water: 10(6):e1666 https://doi.org/10.1002/wat2.1666
41. Davis KM[(GR)], **Rosinger AY**, Murdock KW. (2023). Ex vivo LPS-stimulated cytokine production is associated with hydration status in community-dwelling middle-to-older-aged adults. European Journal of Nutrition: https://doi.org/10.1007/s00394-023-03105-z
42. Swanson ZS[(GR)], Nzunza R, Bethancourt HJ[(PD)], Saunders J, Mutindwa F, Ndiema E, Braun DR, **Rosinger AY,** Pontzer H. (2023). Early childhood growth in Daasanach pastoralists of Northern Kenya: Distinct patterns of faltering in linear growth and weight gain. American Journal of Human Biology: https://doi.org/10.1002/ajhb.23842.
43. Shah S, Harris LM, Menghwani V, Stoler J, Brewis A, Miller JD, Workman CL, Adams EA, Pearson AL, Hagaman A, Wutich A, Young S, & HWISE RCN (**Rosinger AY**). (2023). Variations in household water affordability and water insecurity: An intersectional perspective from 18 low- and middle-income countries. Environment and Planning F: *2*(3), 369-398. https://doi.org/10.1177/26349825231156900

2022

44. **Rosinger AY,** Bethancourt HJ[(PD)], Swanson ZS[(GR)], Lopez K[(UG)], Kenney WL, Huanca T, Conde E, Nzunza R, Ndiema E, Braun DR, Pontzer H. (2022). Cross-cultural variation in thirst perception in hot-humid and hot-arid environments: Evidence from two small-scale populations. American Journal of Human Biology: 34(6):e23715: doi.org/10.1002/ajhb.23715
    a. **Selected as editor's choice and cover article, contributed cover photo**
45. **Rosinger AY**. (2022). Using water intake dietary recall data to provide a window into US water insecurity. Journal of Nutrition: (152(5): 1263-1273: doi.org/10.1093/jn/nxac017
    a. Selected as editor's choice and feature cover article with accompanying commentary: https://doi.org/10.1093/jn/nxac048
46. **Rosinger AY**, Patel AI, Weaks F. (2022). Examining recent trends in the racial disparity gap in tap water consumption: NHANES 2011–2018. Public Health Nutrition: 25(2): 207-213 https://doi.org/10.1017/S1368980021002603

47. **Rosinger AY**, Bethancourt HJ[(PD)], Pauley A, Latona C[(UG)], John J[(UG)], Kelyman A[(UG)], Leonard K, Hohman E, McNitt K, Gernand AD, Downs DS, Savage JS. (2022). Variation in urine osmolality throughout pregnancy: A longitudinal, randomized-control trial among women with overweight and obesity. European Journal of Nutrition: 61: 127-140. https://doi.org/10.1007/s00394-021-02616-x
48. Wutich A, **Rosinger A**, Brewis A, Beresford M, Young S, & HWISE RCN. (2022). Water sharing is a distressing form of reciprocity: Shame, upset, anger, and conflict over water in 20 cross-cultural sites. American Anthropologist: 124(2): 279-290. https://doi.org/10.1111/aman.13682
49. Mao F, Miller JD, Young SL, Krause S, Hannah DH, HWISE-Research Coordination Network (**Rosinger AY**). (2022). Inequality of household water security follows a Developmental Kutznets Curve. Nature Communications: 13(4525): https://doi.org/10.1038/s41467-022-31867-3
50. Broyles L[(GR)], Pakhtigian E, **Rosinger AY**, Mejia A. (2022). Climate and hydrological seasonal effects on household water insecurity: A systematic review. WIRES Water: 9(3): e1593 http://doi.org/10.1002/wat2.1593
51. Stoler J, Pearson AL, **Rosinger AY**, Bombardi R, Brewis A, Keough SB, Lee A, Lopez-Carr D, Shrader C-H, Stauber C, Sullivan A, Stevenson E, Tutu R (Alphabetical after Rosinger). (2022). The role of water in environmental migration. WIRES Water: 9(3): e1584 https://doi.org/10.1002/wat2.1584
52. Moss M, Luo H, **Rosinger AY**, Jacobs MM, Kaur R. (2022). High Sugar Intake from Sugar Sweetened Beverages is Associated with Prevalence of Untreated Decay in US Adults: NHANES 2013-2016. Community Dentistry and Oral Epidemiology: https://doi.org/10.1111/cdoe.12725.

2021

53. **Rosinger AY**, Bethancourt HJ[(PD)], Young SL, Schultz AF. (2021). The embodiment of water insecurity: Water-related injuries and chronic stress in Lowland Bolivia. Social Science & Medicine: 291: 114490. https://doi.org/10.1016/j.socscimed.2021.114490
54. **Rosinger AY,** Bethancourt HJ[(PD)], Swanson ZS[(GR)], Nzunza R, Saunders J[(UG)], Dhanasekar S[(UG)], Kenney WL, Hu K, Douglass M, Ndiema E, Braun D, Pontzer H. (2021). Drinking water salinity is associated with hypertension and hyperdilute urine among Daasanach pastoralists in Northern Kenya. Science of the Total Environment: 770: 144667: https://doi.org/10.1016/j.scitotenv.2020.144667
55. **Rosinger AY**, Olson S, Ellington S, Perez-Padilla J, Simeone R, Pedati C, Schroeder B, Santiago G, Medina F, Munoz-Jordan J, Adams L, Galang R, Valencia-Prado M, Bakkour S, Colon C, Goodwin M, Meaney-Delman D, Read JS, Petersen L, Jamieson D, Deseda C, Honein M, Rivera-Garcia B, Shapiro-Mendoza C. (2021). Evaluating differences in whole blood, serum, and urine Zika virus screening tests among asymptomatic pregnant women during a Zika virus outbreak, Puerto Rico, 2016. Emerging Infectious Diseases: 27(5): 1505-1508. https://doi.org/10.3201/eid2705.203960
56. Bethancourt HJ[(PD)], Ulrich M, Almeida D, **Rosinger AY** (**Senior**, **corresponding**). (2021). Household food insecurity, hair cortisol, and adiposity among Tsimane' hunter-forager-horticulturalists in Bolivia. Obesity: 29(6): 1046-1057. https://doi.org/10.1002/oby.23137
57. Bethancourt HJ[(PD)], Swanson ZS[(GR)], Nzunza R, Huanca T, Conde E, Kenney WL, Young SL, Ndiema E, Braun D, Pontzer H, **Rosinger AY** (**Senior**, **corresponding**). (2021). Hydration in relation to water insecurity, heat index, and lactation status in two small-scale populations in hot-humid and hot-arid environments. American Journal of Human Biology: 33(1): e23447: https://doi.org/10.1002/ajhb.23447.

58. Shirazi TN[(GR)], **Rosinger AY** (**Senior**, **corresponding**). (2021). Reproductive health disparities in the United States: Self-reported race/ethnicity predicts age of menarche and live birth ratios, but not infertility. Journal of Racial and Ethnic Health Disparities: 8(1): 33-46 https://doi.org/10.1007/s40615-020-00752-4.
59. Young S, Frongillo EA, Jamaluddine Z, Melgar-Quinonez H, Perez-Escamilla R, Ringler C, **Rosinger AY** (Alphabetical after Young). (2021). The importance of water security for ensuring food security, good nutrition, and well-being. Advances in Nutrition: 12 (4): 1058–1073. https://doi.org/10.1093/advances/nmab003
60. Stoler J, Brewis A, Kangmennang J, Keough SB, Pearson AL, **Rosinger AY**, Stauber C, Stevenson EGJ (Alphabetical after Stoler). (2021). Connecting the Dots between Climate Change, Household Water Insecurity, and Migration. Current Opinion in Environmental Sustainability: 51:36-41. https://doi.org/10.1016/j.cosust.2021.02.008
61. Stoler J, Miller JD[(GR)], Brewis A, Freeman M, Harris L, Jepson W, Pearson AL, **Rosinger AY**, Shah S, Staddon C, Workman C, Wutich A, Young SL, HWISE RCN (Alphabetical after Miller). (2021). Household Water Insecurity Will Complicate COVID-19 Prevention and Response: Evidence from 29 Sites in 23 Low- and Middle-Income Countries. International Journal of Hygiene and Environmental Health: 234: 113715 doi.org/10.1016/j.ijheh.2021.113715
62. Stoler J, Miller JD, Adams E, Ahmed F, Alexander M, Asiki G, Balogun M, Boivin MJ, Brewis A, Carrillo G, Chapman K, Cole S, Collins S, Escobar-Vargas J, Eini-Zinab H, Freeman M, Ghorbani M, Hagaman A, Hawley N, Jamaluddine Z, Jepson W, Krishnakumar D, Maes K, Mathad J, Maupin J, Owuor P, Morales M, Moran-Martinez J, Omidvar N, Pearson A, Rasheed S, **Rosinger AY**, Samayoa-Figueroa L, Sanchez-Rodriguez E, Santoso M, Schuster R, Sheikhi M, Srivastava S, Staddon C, Sullivan A, Tesfaye Y, Trowell A, Tshala-Katumbay D, Tutu R, Workman C, Wutich A, Young S (Alphabetical after Miller). (2021). The Household Water Insecurity Experiences (HWISE) Scale: Comparison Scores from 27 Sites in 22 Countries. Journal of Water, Sanitation and Hygiene for Development: 11(6): 1102-1110. https://doi.org/10.2166/washdev.2021.108
63. Young SL, Miller J[(GR)], Frongillo E, Boateng G, Jamaluddine Z, Neilands T, HWISE RCN: (**Rosinger AY**). (2021). Validity of a Four-Item Household Water Insecurity Experiences Scale for Assessing Water Issues Related to Health and Well-Being. American Journal of Tropical Medicine and Hygiene: 104(1): 391-394 https://doi.org/10.4269/ajtmh.20-0417

2020

64. **Rosinger AY**, Brewis A, Wutich A, Jepson W, Staddon C, Stoler J, Young SL, HWISE RCN. (2020). Water borrowing is consistently practiced globally and is associated with water-related system failures across diverse environments. Global Environmental Change: 64:102148: https://doi.org/10.1016/j.gloenvcha.2020.102148
65. **Rosinger AY**, Brewis A. (2020). Life and death: Toward a human biology of water. American Journal of Human Biology: 32 (1), e23361 https://doi.org/10.1002/ajhb.23361
66. **Rosinger AY**. (2020) Bio-behavioral variation in human water needs: How adaptations, early life environments, and the life course affect body water homeostasis. American Journal of Human Biology: 32 (1), e23338 https://doi.org/10.1002/ajhb.23338
67. **Rosinger AY**, Young SL. (2020). The toll of household water insecurity on health and human biology: Current understandings and future directions. WIREs Water: 7(6):1-22 https://doi.org/10.1002/WAT2.1468.
68. **Rosinger AY**, Young SL. (2020). In-home tap water consumption trends changed among US children, but not adults, between 2007 and 2016. Water Resources Research: 56(7): e2020WR027657.

69. Bethancourt HJ[(PD)], Kenney WL, Almeida D, **Rosinger AY** (**Senior**, **corresponding**). (2020). Cognitive performance in relation to hydration status and water intake among older adults, NHANES 2011-2014. European Journal of Nutrition: 59:3133-3148 doi.org/10.1007/s00394-019-02152-9
70. Shirazi T[(GR)], Hastings W, **Rosinger AY**, Ryan C. (2020). Parity predicts biological age acceleration in post-menopausal women. Scientific Reports: 10: 20522 https://doi.org/10.1038/s41598-020-77082-2
71. Venkataramanan V, Geere JA, Thomae B, Stoler J, Hunter PR, Young SL, HWISE RCN (**Rosinger AY**). (2020). In pursuit of "safe" water: the burden of personal injury from water-fetching in 21 low- and middle-income countries. BMJ Global Health: http://dx.doi.org/10.1136/bmjgh-2020-003328.
72. Aguree S[(GR)], Bethancourt H[(PD)], Martin L, **Rosinger AY**, Gernand A. (2020). Plasma volume variation across the menstrual cycle among healthy women of reproductive age: a prospective cohort study. Physiological Reports: 8(8): e14418: https://doi.org/10.14814/phy2.14418
73. Wutich A, **Rosinger AY,** Brewis A, Stoler J, Jepson W. (2020). Measuring human water needs. American Journal of Human Biology: 32 (1), e23350 https://doi.org/10.1002/ajhb.23350
74. Schuster RC, Butler MS, Wutich A, Miller JD, Young SL, & **HWISE-RCN: (Rosinger AY)**. (2020). "If there is no water, we cannot feed our children": The far-reaching consequences of water insecurity on infant feeding practices and infant health across 16 low- and middle income countries. American Journal of Human Biology: 32 (1), e23357 https://doi.org/10.1002/ajhb.23357
75. Brewis A, Workman C, Wutich A, Jepson W, Young S, & **HWISE RCN: (Rosinger A)**. (2020). Household Water Insecurity Is Strongly Associated with Food Insecurity: Evidence from 27 Sites in Low- and Middle-Income Countries. American Journal of Human Biology: 32 (1), e23309 https://doi.org/10.1002/AJHB.23309
76. Stoler J, Pearson AL, Staddon C, Wutich A, Mack E, Brewis A, **Rosinger AY**, & HWISE RCN. (2020). Cash water expenditures are associated with household water insecurity, food insecurity, and perceived stress in study sites across 20 low- and middle-income countries. Science of the Total Environment: 716:135881

2019

77. **Rosinger AY**, Bethancourt HJ[(PD)], Francis LA. (2019). Association of Caloric Intake From Sugar-Sweetened Beverages With Water Intake Among US Children and Young Adults in the 2011-2016 National Health and Nutrition Examination Survey. JAMA Pediatrics: 173(6): 602-604. doi:10.1001/jamapediatrics.2019.0693
78. **Rosinger AY**, Ice G. (2019). Secondary data analysis to answer human biology questions. Methods Toolkit article. American Journal of Human Biology: 31(3): e23232 (1-19).
79. **Rosinger AY**, Pontzer H, Raichlen D, Wood B, Tanner S, Sands J. (2019). Age-related decline in urine concentration may not be universal: Comparative study from the US and two small-scale societies. American Journal of Physical Anthropology: 168(4): 705-716.
80. **Rosinger AY**, Chang A-M, Buxton O, Li J, Wu S, Gao X. (2019). Short sleep is associated with inadequate hydration: Cross-cultural evidence from US and Chinese adults. SLEEP, 42(2):1-10 https://doi.org/10.1093/sleep/zsy210
    a. **Selected as Editor's choice article**
81. Bethancourt H[(PD)], Leonard WR, Tanner S, Schultz AF, **Rosinger AY** (**Senior**, **corresponding author**). (2019) Longitudinal changes in body composition and diet among adult Tsimane' forager- horticulturalists of Bolivia, 2002–2010. Obesity: 27(8):1347-1359.

82. Young S, Boateng GO, Jamaluddine Z, Miller JD, Frongillo EA, Neilands TB, Collins SM, Wutich A, Jepson W, Stoler J, & **HWISE RCN: (Rosinger AY)**. (2019) The Household Water InSecurity Experiences (HWISE) Scale: development and validation of a household water insecurity measure for low- and middle- income countries. BMJ Global Health: doi:10.1136/bmjgh-2019-001750
83. Brewis A, **Rosinger A**, Wutich A, Adams E, Cronk L, Pearson A, Workman C, Young S, & HWISE RCN. (2019). Water Sharing, Reciprocity, and Need: A Comparative Study of Inter-Household Water Transfers in Sub-Saharan Africa. Economic Anthropology, 6(2): 208-221. https://doi.org/10.1002/sea2.12143
84. Young SL, Collins SM, Boateng GO, Neilands TB, Jamaluddine Z, Miller JD, Brewis AA, Frongillo E, Jepson W, Melgar-Quiñonez H, Schuster RC, Stoler J, Wutich A, & **HWISE RCN:** (**Rosinger AY**) (2019). Development and validation protocol for an instrument to measure household water insecurity across cultures and ecologies: the Household Water InSecurity Experiences (HWISE) Scale. BMJ Open: doi.org/10.1136/bmjopen-2018-023558
85. Stoler J, Brewis AA, Harris L, Wutich A, Pearson A, **Rosinger AY**, Schuster RC, Young SL. (2019). Household Water Sharing: A Missing Link in International Health. International Health: 11(3): 163-165 https://doi.org/10.1093/inthealth/ihy094

2018

86. **Rosinger AY,** Herrick K, Wutich A, Yoder J, Ogden C. (2018). Tap or bottled water? Disparities in plain, tap, and bottled water consumption among US adults, 2007–2014. Public Health Nutrition; 21(8): 1455-1464.
87. **Rosinger AY**. (2018). Household water insecurity after a historic flood: Diarrhea and dehydration in the Bolivian Amazon. Social Science & Medicine; 197: 192-202.
88. **Rosinger AY**, Young SL, Collins SM[(GR)], Haider SR, Mishra P, Nagai HT, Petro M, Downs JA. (2018). Schistosomiasis and hydration status: *Schistosoma haematobium,* but not *Schistosoma mansoni* increases urine specific gravity among rural Tanzanian women. American Journal of Physical Anthropology: 166(4): 952-959.
89. Wutich A, Budds J, Jepson W, Harris L, Adams E, Brewis A, Cronk L, DeMyers C, Maes K, Marley T, *Miller J, Pearson A, **Rosinger A**, Schuster R, Stoler J, Staddon C, Wiessner P, Workman C, Young S. (2018). Household Water Sharing: A review of water gifts, exchanges, and transfers across cultures. Wiley Interdisciplinary Reviews – Water: 5(6): e1309.
90. **Rosinger AY**, Puts D. (2018). It's complicated: Why raters' BMI poorly explained attractiveness ratings. Obesity: 26(3): 461-462. **(Invited commentary)**

2017

91. **Rosinger A**, Carroll M, Lacher D, Ogden C. (2017). Decreasing trends in Total Cholesterol, Triglycerides, and Low-Density Lipoprotein in U.S. adults, 1999–2014. JAMA Cardiology; 2(3)339-441.
92. **Rosinger A,** Herrick K, Gahche J, Park S, Frenk S. (2017). Percentage of Total Daily Kilocalories Consumed from Sugar-Sweetened Beverages Among Children and Adults, by Sex and Income Level — National Health and Nutrition Examination Survey, United States, 2011–2014. MMWR Morb Mortal Wkly Rep; 66(6); 181.
93. **Rosinger A,** Herrick K, Gahche J, Park S. (2017). Sugar-sweetened beverage (SSB) consumption among U.S. adults, 2011-2014. NCHS Data Brief #270: 1-8.
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95. Shapiro-Mendoza CK, Rice ME, Galang RR, Fulton AC, VanMaldeghem K, Prado MV, Ellis E, Anesi MS, Simeone RM, Petersen EE, Ellington SR, Jones AM, Williams T, Reagan-Steiner S, Perez-Padilla J, Deseda CC, Beron A, Tufa AJ, **Rosinger A**, Roth NM, Green C, Martim S, Lopez CD, deWilde L, Goodwin M, Pagano HP, Mai CT, Gould

C, Zaki S, Ferrer LN, Davis MS, Lathrop E, Polen K, Cragan JD, Reynolds M, Newsome KB, Huertas MM, Bhatangar J, Quiñones AM, Nahabedian JF, Adams L, Sharp TM, Hancock WT, Rasmussen SA, Moore CA, Jamieson DJ, Munoz-Jordan JL, Garstang H, Kambui A, Masao C, Honein MA; Meaney-Delman D; Zika Pregnancy and Infant Registries Working Group. (2017). Pregnancy outcomes after maternal Zika Virus infection during pregnancy – U.S. territories, January 1, 2016 – April 25, 2017. MMWR Morb Mortal Wkly rep; 66:615-621.

2016

96. **Rosinger A**, Lawman H, Akinbami L, Ogden C. (2016). The role of obesity in the relationship between water intake and hydration status in US adults: 2009–2012. American Journal of Clinical Nutrition; 104: 1554-1561.
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98. Adams L, Bello-Pagan M, Lozier M, Ryff KR, Espinet C, Torres J, Perez-Padilla J, Febo MF, Dirlikov E, Martinez A, Munoz-Jordan J, Garcia M, Segarra MO, Malave G, Rivera A, Shapiro-Mendoza C, **Rosinger A**, Kuehnert MJ, Chung KW, Pate LL, Harris A, Hemme RR, Lenhart A, Aquino G, Zaki S, Read JS, Waterman SH, Alvarado LI, Alvarado-Ramy F, Valencia-Prado M, Thomas D, Sharp TM, Rivera-Garcia B. (2016). Update: Ongoing Zika Virus Transmission - Puerto Rico, November 1, 2015-July 7, 2016. MMWR Morb Mortal Wkly Rep; 65:774–779.
99. Simeone RM, Shapiro-Mendoza CK, Meaney-Delman D, Petersen EE, Galang RR, Oduyebo T, Rivera-Garcia B, Valencia-Prado M, Newsome KB, Pérez-Padilla J, Williams TR, Biggerstaff M, Jamieson DJ, Honein MA & **Zika and Pregnancy Working Group** (**Rosinger AY)**. (2016). Possible Zika Virus Infection Among Pregnant Women - United States and Territories, May 2016. MMWR Morb Mortal Wkly Rep; 65(20):514-9.

2013-2015

100. **Rosinger A.** (2015). Heat and hydration status: Predictors of repeated measures of urine specific gravity among Tsimane' adults in the Amazon. American Journal of Physical Anthropology; 158(4): 696-707.
101. **Rosinger A.** (2015). Dehydration among Lactating Mothers in the Amazon: A Neglected Problem. American Journal of Human Biology; 27(4): 576-578. **Contributed cover photo**.
102. **Rosinger A**, Tanner S. (2015). Water from fruit or the river? Examining hydration strategies and gastrointestinal illness among Tsimane' adults in the Bolivian Amazon. Public Health Nutrition; 16(6): 1098-1108.
103. Leonard W, Reyes-García V, Tanner S, **Rosinger A**, Schultz A, Vadez V, Zhang B, TAPS Study Team, Godoy R. (2015). The Tsimane' Amazonian Panel Study (TAPS): Nine years (2002-2010) of annual data available to the public. Economics & Human Biology; 19: 51-61.
104. **Rosinger A**, Tanner S, Leonard W, TAPS Study Team. (2013). Precursors to over-nutrition: The effects of household market food expenditures on measures of body composition among Tsimane' adults in lowland Bolivia. Social Science & Medicine; 92: 53-60.
105. Tanner S, **Rosinger A**, Leonard WR, Reyes-Garcia V, TAPS Study Team. (2013). Health and adult productivity: The relationship between adult nutrition, helminth infection, and agricultural, hunting, and fishing yields in the Bolivian Amazon. American Journal of Human Biology; 25(1): 123-130.

Refereed Book & Handbook Chapters

1. **Rosinger AY,** Bethancourt HJ(PD). (2020). Chicha as Water: Traditional Fermented Beer Consumption Among Forager Horticulturalists in the Bolivian Amazon. In Alcohol and Humans: A long and social affair. Eds. Kimberley Hockings & Robin Dunbar. Oxford University Press. Pages 147-162.
2. **Rosinger A**, Godoy R. (2016). Height and weight of native populations. In J. Komlos and I. Kelly, The Oxford Handbook of Economics and Human Biology. Oxford University Press. Pages 192-209.
3. Tanner S, **Rosinger A**. (2014). Salud y nutrición: Perfil y cambio. Reyes-Garcia V & Huanca T, Eds. Cambio Local – Cambio Global: Radiografia del Processo de Cambio en la Sociedad Tsimane', Amazonia Boliviana. Barcelona, Icaria editorial. Pages 255-282.

Book contract:

1. Tentative Title: The Human Thirst: Water, biology, and health. Oxford University Press. **Asher Y. Rosinger.** Anticipated publication date: early 2027.

Popular pieces

1. **Asher Y. Rosinger**. (Dec 27, 2023). Extreme weather has long-term health consequences; Authorities must take proactive measures to mitigate the damaging effects of extreme weather and climate events on long-term health. *Scientific American*. https://www.scientificamerican.com/article/extreme-weather-has-long-term-health-consequences/
2. **Asher Y. Rosinger**. (2021). The Human Thirst. *Scientific American*. 325, 1, 38-43. www.scientificamerican.com/article/human-evolution-led-to-an-extreme-thirst-for-water/
    a. **July issue Cover story**
3. **Asher Y. Rosinger**. (2021). Nearly 60 million Americans don't drink their tap water, research suggests – here's why that's a public health problem. *The Conversation*. https://theconversation.com/nearly-60-million-americans-dont-drink-their-tap-water-research-suggests-heres-why-thats-a-public-health-problem-158483
    a. **Picked up by 40 publishers.**
    b. **Re-printed in The Conversation on Water. 2023. Johns Hopkins Press.**

Works under review: (UG) undergraduate student, (GR) graduate student, (PD) postdoc

1. **Rosinger AY**, Douglass M, McGrosky A, Roba KT(PD), Davies B, Meriwether N, Ford L, Jacobson H, Wambua F, Hinz E, Sadhir S, Tavormina A, Baker L, Sherwood A, Arshad S, Bobbie N, Musumeci C, Papa K, Farrar Z, Todd M, Kitts N, Bossert M, Braun DR, Nzunza R, Ndiema R, Pontzer H. Historic drought in northern Kenya shifts diet and mobility away from traditional pastoralism as resource security and nutrition falter. Revised & Resubmitted.
2. Suha A(UG), Roba K(PD), Meriwether N(UG), Jacobson H(GR), McGrosky A, Tavormina A(GR), Bobbie N(UG), Khosi G, Douglass M, Braun DR, Nzunza R, Ndiema E, Pontzer H, **Rosinger AY (Senior, corresponding**). Increased vulnerability to dehydration and heat stress across reproductive states for pastoralist women during prolonged drought in northern Kenya. R&R'd.
3. Broyles L(PD), Thiede B, **Rosinger AY** (**Senior, corresponding**). Drought Effects on Household Water Access and Child Undernutrition: Evidence from Kenya. R&R'd.
4. Rojas AJ et al **Rosinger AY (Senior, corresponding**). Study protocol for the Daasanach Human Biology Project: A longitudinal study of the impact of drinking water salinity and heat stress on water insecurity, hydration, energetics, hypertension, and kidney function in northern Kenya. R&R.

5. Godoy R, Bauchet J, Leonard WR, Reyes-Garcia V, **Rosinger AY,** Undurraga EA. Links between intragenerational long-term mobility in material wealth, health, and well-being among Tsimane' Indigenous People in the Bolivian Amazon. R&R.
6. Broyles LMT[(PD)], Young SL, **Rosinger AY (Senior, corresponding**). Water and food insecurity are barriers to children's cardiometabolic health: Evidence from NHANES. Under review.
7. Meriwether N[(UG)], et al **Rosinger AY (Senior, corresponding**). Dietary Strategies as Coping Mechanisms for Nutritional Status and Food Insecurity During Severe Drought Among Daasanach Pastoralists in Northern Kenya, 2019-2024. Under review.
8. Roba KT[(PD)], et al **Rosinger AY (Senior, corresponding**). Historic drought shifted fishing from a stigmatized practice and food to an adaptive livelihood among Daasanach pastoralists in northern Kenya. Under review
9. Broyles LMT[(PD)], Pakhtigian E; Punyua E, Mose R, Kileteny N, Kileteny T, Onyangore F, Nyagwencha J, **Rosinger AY (Senior, corresponding)**. Household drinking water treatment effectiveness differs when examining water quality compared to experiential water and food insecurity scales. Under review.
10. Zhang K[(UG)], et al (**Rosinger AY**). Birth weight in the Daasanach community of northern Kenya and the effect of multiparity. Under review.
11. Roba KT[(PD)], Yilma AN, Raru TB, Sznajder KK, West K, Thompson G, Brewis A, **Rosinger AY (Senior author)**. Association between drinking water accessibility and exclusive breastfeeding, infant dietary diversity, and diarrheal diseases: evidence from 10 Eastern African nations. Under review.

GRANTS

External

- National Institute of Environmental Health Science: **R01**: Drinking water salinity in a hot-dry environment: Hydration, kidney function, and blood pressure (R01ES035402)
  - **Principal Investigator (PI)** ($3,351,469; Status: Ongoing) 9/20/2024-6/30/2029
- National Institute of Child Health and Development: **R03**: Quantifying the compounding vulnerabilities of water and food insecurity on child and adolescent health in the US. (R03HD113976)
  - **PI** ($175,404; Status: in final stages) 2/2024-2026.
- National Institute of Dental and Craniofacial Research: **R21**: Integrating population-wide oral microbiome data to better understand oral health differences in the US (R21DE034130)
  - **Co-Investigator** ($435,599; Status: ongoing). 7/01/2025-6/30/2027
- National Institute of Child Health and Development: T-32: Training Program in Social Environments and Population Health. (5T32HD007514)
  - **Program Faculty**, Mentor to T-32 Post-Doctoral Fellow Lauren Broyles (PIs John Iceland, Jenny Van Hook; Status: Ongoing)

Completed

- National Science Foundation. CNH2-S: Long Term Perspectives on Water Security, Food Security, and Land Management Among Pastoralists Experiencing Change. (#1924322)
  - **Co-PI** ($148,769–Rosinger budget; $748,849–total budget), 10/2019–25
- National Science Foundation. Collaborative Research: REU Site: Past and Present Human-Environment Dynamics. (#1852406)
  - **PI** ($84,621– Rosinger budget, $384,000–total budget), 09/2019–24

- The Wenner-Gren Foundation. Engaged Anthropology Grant: Water and Hydration in the Bolivian Amazon: Reinforcing Traditional Strategies to Reduce Water-Related Morbidities.
    - **PI** ($4,980), 2018-2019
- Achievement Rewards for College Scientists (ARCS) Foundation, Inc. Herz Global Impact Award, Atlanta Chapter
    - **PI** ($10,000), 2014–2015.
- National Science Foundation, Biological Panel, Award #1341161: Doctoral Dissertation Research Improvement Grant: Hydration Strategies, Nutrition, and Health During Lifestyle Transitions.
    - **Co-PI** ($15,013), 2013–14.
- The Wenner-Gren Foundation for Anthropological Research. Award #8718: Dissertation Fieldwork Grant: Hydration Strategies, Nutrition, and Health During a Lifestyle Transition in the Bolivian Amazon.
    - **PI** ($19,990), 2013–14.

Internal (PSU)

- PRI Climate Change and Health Supplement. The impact of a historic drought on water and food insecurity-related coping strategies and maternal and children's health outcomes in Northern Kenya
    - PI ($30,000, Ongoing), 2024-2027
- Social Science Research Institute Social Disparities grant. Causes and Consequences of social disparities in water (dis)trust and (in)security in Pennsylvania.
    - PI ($50,000, Status: Ongoing), 3/2021-12/2026
- Material Science Institute and Social Science Research Institute Seed Grant. Wearable tattoo sensors as a way to understand human water needs and heat stress.
    - PI ($50,000, completed), 2023-2025.
- Population Research Institute. Individual Seed Grant. Quantifying the compounding vulnerabilities of water and food insecurity on child and adolescent health in the US.
    - PI ($14,106, Status: completed), 5/2022-7/2023
- PennState Outreach Center-Philadelphia. Seeding Change Grant. Causes and Consequences of social disparities in water (dis)trust and (in)security in Philadelphia, Pennsylvania.
    - PI ($5,000, Status: completed), 7/2021-12/2025
- Center for Security and Education Research Impact grant, Penn State University. Water (In)Security: Health Impacts and Drinking Water Wells in Pennsylvania
    - Co-PI ($25,000, status: Completed), 5/2020-6/2022
- Human Health and the Environment Seed Grant Program, Penn State University. Water Insecurity, Stress, and Hydration (WISH): A cross-cultural exploration of psychological and biological consequences of water-related stressors.
    - PI ($47,355, Status: Completed), 2018-21
- College of Health and Human Development, Penn State University. Teaching Course Release to Support Grant Activity.
    - PI, Spring 2020 ($7,500; Completed)
- Center for Security and Education Research Level 3 seed grant, Penn State University. Healthy houses, healthy communities: improving water management to enhance health outcomes and global security in Puerto Rico.
    - Co-PI ($15,000, status: Completed), 2019-2020

HONORS & AWARDS

- W. LaMarr Kopp International Faculty Achievement Award, Penn State, 2026
    - **Recognizes one Penn State faculty member annually who has made extraordinary contributions to the advancement of the international mission of the University.** The award recognizes faculty for excellence in leadership and support for international education, service to the international community, and international research accomplishments.
- Michael A. Little Early Career Award, Human Biology Association, 2022
- Ann Atherton Hertzler Early Career Professorship in Global Health, 2019-2022 ($108,000)
- HWISE-RCN (NSF-funded) Collaborator Accelerator Award, 2021-22 ($1,500)
- Andrew Carnegie Fellows Program Finalist, 2018
- CDC & ATSDR Honor Award Winner, Excellence in Emergency Response (Domestic): Zika Pregnancy and Birth Defects Surveillance Group, 2017
- Alexander Langmuir Award Finalist, Centers for Disease Control and Prevention, 2017
- Delta Omega, Public Health Honor's Society, University of Georgia Beta Chi Chapter, 2017
- Excellence in Research by Graduate Students Award, winner for Social and Behavioral Sciences, The Graduate School, UGA, 2016
- E.E. Hunt, Jr. Student Award for Outstanding Podium Presentation, Human Biology Association Meetings, 2015
- Student Member Travel Award, Human Biology Association, 2015
- Travel Grant, The Graduate School, University of Georgia, 2013 & 2014.
- University of Georgia Anthropology Department Graduate Assistantship, 2010–13, 2014–15
- E.E. Hunt, Jr. Student Award for Outstanding Poster Presentation, Human Biology Association Meetings, 2013
- Fulbright Finalist for Bolivia, 2013
- Outstanding Graduate Teaching Assistant Award, Center for teaching/learning, UGA, 2013
- Best Graduate Research Poster Award, Global Education Forum, UGA, 2013
- Charles Hudson Excellence in Teaching Award, Anthropology Department, UGA, 2012
- Summer Doctoral Graduate Research Fellowship, UGA, 2012
- Summer Travel Award, Latin American & Caribbean Studies Institute, UGA, 2012
- Dean's Award, The Graduate School, UGA, 2011
- The Graduate School Research Assistantship, UGA, 2008–2010
- Invited student. NSF Summer Field Training in Methods of Data Collection in Cultural Anthropology in Bolivia, 2009
- Frances L. Phillips Travel Scholarship, Anthropology Dept, UNC Chapel Hill, 2007
- Phi Beta Kappa, UNC Chapel Hill, 2007
- Pearl L. Calvin Scholarship, UNC Chapel Hill, 2005
- Psi Chi, National Psychology Honors Society, UNC Chapel Hill, 2005

TEACHING EXPERIENCE

Pennsylvania State University, State College, PA

- **Instructor of record**

Spring 2026: Biobehavioral Health (BBH) 407: Global Health Equity: 36 students
Spring 2024: Biobehavioral Health (BBH) 407: Global Health Equity: 50 students
Spring 2024: Anthropology (ANTH) 418: Medical Anthropology: 20 students
Spring 2023: Biobehavioral Health (BBH) 407: Global Health Equity: 50 students
Spring 2023: Anthropology (ANTH) 418: Medical Anthropology: 20 students
Spring 2022: Biobehavioral Health (BBH) 407: Global Health Equity: 50 students
Spring 2022: Anthropology (ANTH) 418: Medical Anthropology: 20 students

Fall 2021: BBH 302/African American Studies (AFAM) 302: Diversity and Health: 105 students
Spring 2021: BBH 407: Global Health Equity: 50 students
Spring 2021: ANTH 418: Medical Anthropology: 19 students
Spring 2020: BBH 407: Global Health Equity: 50 students
Fall 2019: BBH 302/AFAM 302: Diversity and Health: 40 students
Spring 2019: ANTH 497: Medical Anthropology: 7 students
Spring 2018: ANTH 497: Medical Anthropology: 17 students

Course development: ANTH 418: Medical Anthropology – officially added to PSU curriculum

Koobi Fora Summer Field School, Kenya (NSF supported REU 2019-2024, runs through George Washington U.)

- **Core faculty and PI for Human Biology component** (2019-Present)
- **Teach, train, and mentor students human biology and environmental health methods**

University of Georgia, Athens, GA

Writing-Intensive Program Teaching Assistant, August 2014–May 2015

Courses:

Spring 2015: Anth 1102: Introduction to Anthropology; Main instructor: Joseph Lanning
Fall 2014: Anth 4540: Health, Biology, and Culture; Main instructor Dr. Susan Tanner

Teaching Assistant, August 2010–May 2013

Courses:

Spring 2013: Anth 4640: Evolution and Ecology of Infectious Disease; Main instructor: Dr. Susan Tanner
Fall 2012: Anth 4075: Economic Anthropology; Main instructor: Dr. Bram Tucker;
Anth 3541: Anthropology of Food and Eating: Main instructor: Dr. Susan Tanner
Spring 2012: Anth 4790: Human Adaptation; Main instructor: Dr. Susan Tanner
Fall 2011: Anth 1102: Introduction to Anthropology; Main instructor: Dr. Don Nelson
Spring 2011: Anth 1102: Introduction to Anthropology; Main instructor: Jason Gonzales
Fall 2010: Anth 4540: Introduction to Medical Anthropology: Health, Biology, and Culture. Main instructor: Dr. Susan Tanner

National Science Foundation Summer Field School in Anthropology Methods, Beni, Bolivia

Teaching Assistant, June 2010–July 2010

- Taught methods of data collection, data analysis, and presentation.

MENTORING

Post-doctoral scholars

- Lauren Broyles, (PSU Biobehavioral Health), 2023-Present
  - Supported on NIH T-32 Social Environments and Population Health Traineeship
- Alfredo Rojas, Jr., (PSU Biobehavioral Health), 2025-Present

Graduate students (Committee member/Advisor)

- Leslie Ford (PSU Biobehavioral Health, Advisor), 2019–Present
  - Supported on NIH T-32 Social Environments and Population Health Traineeship
  - 2022-23 PEO Scholar Award for Dissertation research in Kenya ($20,000)
  - 2023 Wenner-Gren Fieldwork Dissertation Grant ($25,000)
- Christine Ta (PSU Anthropology, committee), 2022–Present
- Nafi Mohammad Ali (PSU Anthropology, committee), 2022–Present

- Laura Perez (PSU Anthropology, committee), 2023–2026
- Hannah Jacobson (Northwestern University Anthropology, committee), 2025–Present
- Shinina Shani (Baylor University Anthropology, committee), 2026-Present
- Krishangi Jasani (PSU Anthropology, committee), 2026-Present
- Hang Li (PSU BBH, committee), 2026-Present
- Zhiqiao Huang (PSU BBH, committee), 2026-Present

Undergraduate research assistants in Water, Health, & Nutrition Laboratory/advisees

- Suha Arshad (Vanderbilt Anthropology), 2024-Present
- Kyla Spence (PSU Biobehavioral Health), 2025–Present
- Nabelle Keita (PSU Biobehavioral Health, Honor's), 2025–Present
- Ava Utain (PSU Biobehavioral Health), 2025–Present
- Lilly Garrison (PSU Biobehavioral Health), 2025–Present
- Rachel Schmidt (PSU Biobehavioral Health), 2025–Present
- Rebecca Wofsy (PSU Biobehavioral Health), 2025–Present

Past mentorship experiences

- Post-doctoral scholars
    - Kedir Roba, (PSU Biobehavioral Health), 2024-2026
    - Hilary Bethancourt (PSU Biobehavioral Health), 2018–2021
- Graduate students
    - Crystal Crabb (PSU Anthropology, committee), 2024–2026
    - Megan Veltry (PSU Anthropology, committee), 2022–2025
    - Sukyoung Jung (George Washington University epidemiology, external reader), 2023
    - Lauren Broyles (PSU Engineering, committee), 2020–2023
    - Craig Berry (PSU Kinesiology, committee), 2020–2022
    - Talia Shirazi (PSU Anthropology, committee), 2018–2021
    - Zane Swanson (Duke Univ. Evolutionary Anthropology, committee), 2020–2021
    - Sixtus Aguree (PSU Nutrition), 2017–2019
- Undergraduate research assistants/advisees
    - Sara Caldana (PSU Biobehavioral Health), 2018–2019
    - Alysha Kelyman (PSU Biobehavioral Health), 2018–2020
    - Celine Latona (PSU Biobehavioral Health), 2018–2020
    - Kaylee Lopez (PSU Biobehavioral Health), 2020–2021, **BBH Student Marshal**
    - Alexandra Tingley (PSU Biobehavioral Health), 2019–2021
    - Jason John (PSU Biobehavioral Health), 2019–2022
    - Kaitlyn Barnhart (PSU Biobehavioral Health), 2019–2022
    - Siddhi Deshpande (PSU Biology, Honor's Thesis mentee), 2020–2022
        - 2022-23 Fulbright Program to India
    - Tate Hamilton (PSU Biobehavioral Health), 2021–23
    - Madeline Todd (PSU Biobehavioral Health), 2021–23
    - Erica Morse (PSU Biobehavioral Health), 2021–23
    - Carey Musumeci (PSU Biobehavioral Health), 2021–24
    - Zee Nguyen (PSU Biobehavioral Health), 2022–24
    - Zoë Farrar (PSU Biobehavioral Health), 2022–24
    - Robert Kerner (PSU Biobehavioral Health), 2023–24
    - Nicole Bobbie (PSU Biobehavioral Health), 2022–2025
    - Gabriella Berger (PSU Biobehavioral Health), 2023–2025

- Natalie Meriwether (PSU Biobehavioral Health, Honor's Thesis mentee), 2023–2025, **BBH Student Marshal**
  - Won the Hilde Spielvogel Award for Outstanding Presentation by an Undergraduate Student at the Human Biology Association; NSF REU fellow
- Kiera Papa (PSU Biobehavioral Health, Honor's Thesis mentee), 2023–2026, **BBH Student Marshal**
- Lilian Baker (Vanderbilt Anthropology, **NSF GRFP recipient**), 2023-2026
- Natalie Kitts (PSU Ecology), 2024-2026

INVITED WORKSHOPS (fully funded)

The Population Ecology, Aging, and Health Network (PEcAHN), Duke University, April, 2024, April, 2025, April 2026

Household Water Insecurity Experiences (HWISE). Arizona State University. Frontiers in water insecurity in high income countries III. October, 2025.

Household Water Insecurity Experiences (HWISE). Frontiers in water insecurity in high income countries. October, 2024. Austin, Texas

Household Water Insecurity Experiences (HWISE) – Research Coordination Network Workshop in Washington DC, May 22-26, 2022

Climate, Migration, and Water Insecurity. University of Miami, March 5-6, 2020

Coupled Natural Human Systems NSF Planning Workshop. Lincoln Nebraska Dec. 5-8, 2019.

COMPASS Science Communication Workshop (one of 20 invited faculty). Hosted by the Institutes of Energy and the Environment. Penn State. October 18-19, 2018.

Household Water Insecurity Indicators UK Workshop. Invited Participant. University of the West of England. September 14-15, 2018.

Setting the National Agenda on Water Intake and Sugar-Sweetened Beverage Intake for 0-5 year olds. Healthy Eating Research; Robert Wood Johnson Foundation. Invited Participant. Washington, DC. May 17-18, 2018.

Household Water Insecurity Experiences Workshop on Water sharing. Invited Participant. Arizona State University. Feb 27-Mar. 1, 2018.

Household Water Insecurity Experiences Scale (HWISE) Workshop. Invited Participant. Northwestern University. August 9-11, 2017.

PRESENTATIONS (Invited and conference)

Asher Rosinger, AJ Rojas, K Roba, A McGrosky, M Joy, H Jacobson, N Meriwether, G Solomon, K Papa, N Kitts, M Douglass, DR Braun, M Hunter, W Farquhar, WL Kenney, R Nzunza, JM Sands, E Ndiema, H Pontzer. Unmasking kidney disease in a remote, hot-dry environment: High

prevalence of reduced estimated glomerular filtration rate among semi-nomadic pastoralists. Human Biology Association 51st Annual Conference in Denver, CO in March 2026.

Mary Joy(GR), Amanda McGrosky, Alfredo Rojas, Kedir Roba, Hannah Jacobson, Natalie Meriwether, Srishti Sadhir, Nicole Bobbie, Elena Hinz, Anna Tavormina, Matthew Douglass, Emmanuel Ndiema, David Braun, Rosemary Nzunza, Herman Pontzer, **Asher Rosinger**. The additional chronic stress burden of reproductive status on women in a high-water insecurity environment. Human Biology Association 51st Annual Conference in Denver, CO in March 2026.

Asher Rosinger. "Why Water is critical to health and human biology". Prevention Research Center. Penn State University. October 22, 2025.

Asher Rosinger. "Why water and extreme climatic events matter for human biology". **The James R. Bindon Endowed Lecture in Biocultural Anthropology.** October 8, 2025. University of Alabama

Asher Rosinger. Invited talk at Northwestern University Department of Anthropology: "Why water and extreme climatic events matter for human biology". June 5, 2025.

Natalie Meriwether(UG), Hannah Jacobson, Anna Tavormina, Kedir Teji Roba, Amanda McGrosky, Suha Arshad, Nicole Bobbie, Kiera Papa, Gabriella Berger, Natalie Kitts, Grace Khosi, Srishti Sadhir, Emmanuel Ndiema, Matthew Douglass, Rosemary Nzunza, David Braun, Herman Pontzer, **Asher Rosinger.** Subsistence strategies as mediators of undernutrition through severe drought among Daasanach pastoralists in northern Kenya, 2019-2024. Human Biology Association 50th Annual Conference in Baltimore MD in March 2025.
-Winner of best undergraduate presentation

Suha Arshad(UG), Kedir Roba, Hannah Jacobson, Natalie Meriwether, Anna Tavormina, Amanda McGrosky, Srishti Sadhir, Grace Khosi, Nicole Lynn Bobbie, Rosemary Nzunza, David Braun, Emmanuel Ndiema, Herman Pontzer, **Asher Rosinger.** Increased vulnerability to dehydration and heat stress among pregnant and lactating Daasanach women in northern Kenya. Human Biology Association 50th Annual Conference in Baltimore MD in March 2025.

Anna Tavormina(GR), Amanda McGrosky, Kedir Teji Roba, Hannah Jacobson, Nicole Bobbie, Grace Khosi, Suha Arshad, Natalie Meriwether, Elena Hinz, Srishti Sadhir, Matthew Douglass, Rosemary Nzunza, David Braun, Emmanuel Ndiema, Zane Swanson, Samuel Urlacher, **Asher Rosinger**, Herman Pontzer. Inflammation and energy status among Daasanach pastoralists. Human Biology Association 50th Annual Conference in Baltimore MD in March 2025.

Kedir Teji Roba(PD), Amanda McGrosky, Hannah Jacobson, Anna Tavormina, Nicole N Bobbie, Faith Wambua, Kiera Papa, N Kitts, Gabriela Berger, Natalie Meriwether, Grace Khosi, Suha Arshad, Elena Hinz, Srishti Sadhir, Leslie Ford, Matthew Douglass, Rosemary Nzunza, Emmanuel Ndiema, David Braun, Herman Pontzer, **Asher Rosinger.** Changes in cultural staple foods as coping strategies amid severe drought and chronic stress among Daasanach pastoralists in northern Kenya (2019-2024). Human Biology Association 50th Annual Conference in Baltimore MD in March 2025.

Lauren Broyles[(PD)], co-authors and **Asher Rosinger.** Drinking water sodium-chloride associated with higher blood pressure and odds of microalbuminuria among adults in hot-dry Northern Kenya: A longitudinal study. American Geophysical Union Conference in Washington DC December 2024.

Lauren Broyles[(PD)], **Asher Rosinger.** Using drought exposure and satellite temperature and precipitation data to assess the effects of the 2020-2023 drought on child water access and undernutrition across Kenya. American Geophysical Union Conference in Washington DC December 2024.

Asher Rosinger et al. Severe drought increased water & food insecurity and reduced mobility & nutritional status among Daasanach pastoralists in Northern Kenya, 2019-2023. Oral Presentation. Los Angeles, CA. March 22, 2024. Human Biology Association

Elena Hinz[(GR)], Alison Sherwood, Amanda McGrosky, Hannah Jacobson, Faith Wambua, Lilian Baker, Tiffany-Chrissy Mbeng, Leslie Ford[(GR)], Srishti Sadhir[(GR)], Rosemary Nzunza, Emmanuel Ndiema, David Braun, **Asher Rosinger**, Herman Pontzer. Environmental heat stress more strongly impacts children versus adults among Daasanach semi-nomadic pastoralists in northern Kenya. Oral Presentation. Los Angeles, CA. March 21, 2024. Human Biology Association

Tiffany-Chrissy Mbeng[(UG)], Faith Wambua, Amanda McGrosky, Hannah Jacobson, Elena Hinz, Alison Sherwood, Lilian Bake, Rosemary Nzunza, David Braun, Emmanuel Ndiema, Herman Pontzer, **Asher Rosinger**. Understanding the impact of water fluoride levels and Salvadora persica toothbrush tree use on oral health outcomes among Daasanach communities in Northern Kenya Poster Presentation. Los Angeles, CA. March 21, 2024. Human Biology Association

K Zhang[(UG)], E Hinz[(GR)], S Sadhir[(GR)], L Ford[(GR)], A McGrosky, R Nzunza, DR Braun, E Ndiema, AY **Rosinger**, H Pontzer. Birth weight across Daasanach communities in Northern Kenya and the effect of multiparity Poster Presentation. Los Angeles, CA. March 21, 2024. Human Biology Association

Leslie Brianne Ford[(GR)], Matthew Douglas, Faith Wambua, Rosemary Nzunza, Emmanuel Ndiema, Herman Pontzer, **Asher Rosinger**. Association between water sharing network positions and physical and mental health outcomes among Daasanach pastoralists in northern Kenya Poster Presentation. Los Angeles, CA. March 21, 2024. Human Biology Association

Hannah C. Jacobson[(GR)], Amanda McGrosky, Srishti Sadhir, Leslie Ford, Marcela Pfaff, Lizzy Kim, Rosemary Nzunza, Matt Douglass, David R. Braun, Emmanuel Ndiema, Sam Urlacher, Herman Pontzer, **Asher Y. Rosinger**. Stress, inflammation, and immune activation: Insights from Dassanach semi-nomadic pastoralists of Northern Kenya Poster Presentation. Los Angeles, CA. March 21, 2024. Human Biology Association

Lilian June Baker[(UG)], Hannah Jacobson, Amanda McGrosky, Elena Hinz, Faith Wambua, Alison Sherwood, Tiffany-Chrissy Mbeng, Rosemary Nzunz, David R Braun, Emmanuel Ndiema, Herman Pontzer, **Asher Yoel Rosinger**. Heat stress and hydration status among Daasanach semi-nomadic pastoralists in northern Kenya Poster Presentation. Los Angeles, CA. March 21, 2024. Human Biology Association

Asher Rosinger. Water is a Public Health Problem. Virginia Catalyst Annual Summit Keynote. Richmond, VA. 10/23/23

Asher Rosinger. The public health implications of tap water avoidance. NASUCA Consumer Protections Committee Meeting. 5/3/2023

Asher Rosinger, Tom Otube, Sristi Sadhir, Leslie Ford, Amanda McGrosky, Maria Bossert, Rosemary Nzunza, Emmanuel Ndiema, David Braun, Matthew Douglass, Herman Pontzer. Drinking water salinity, blood pressure, and kidney function in Northern Kenya. Poster Human Biology Association. Reno, NV. April 20, 2023

Zane S. Swanson, Samuel Urlacher, Marcela Pfaff-Nash, Rosemary Nzunza, Hilary J. Bethancourt, Emmanuel Ndiema, David R. Braun, **Asher Y. Rosinger**, Herman Pontzer. Variation in household mobility and socioeconomic status are associated with differences in CRP concentrations among Daasanach pastoralists living in Northern Kenya. Oral presentation. Human Biology Association. Reno, NV. April 20, 2023

Srishti Sadhir, Amanda McGrosky, Leslie B. Ford, Rosemary Nzunza, Sylvia N. Wemanya, Husna Mashaka, Rahab Kinyanjui, Emmanuel Ndiema, David R. Braun, **Asher Y. Rosinger**, Herman Pontzer. Physical activity and pregnancy norms among Daasanach women in Northern Kenya. Oral presentation. Human Biology Association. Reno, NV. April 20, 2023

Amanda McGrosky, Zane S Swanson, Srishti Sadhir, Matthew Douglass, Benjamin Davies, Emmanuel Ndiema, Rosemary Nzunza, David R Braun, **Asher Rosinger**, Herman Pontzer. Movement patterns in a semi-nomadic pastoralist population in northern Kenya. Oral presentation. Human Biology Association. Reno, NV. April 20, 2023

Asher Rosinger. Water justice, community health, and sustainable communities. Penn State University Sustainability Institute. 3/17/2023

Asher Rosinger. The Human Thirst. Grand Rounds. Baylor College of Medicine Nephrology. 2/15/2023

Asher Rosinger. Water needs, water insecurity, and nutritional adaptations: The intersecting pathways to human biology UCLA Biological anthropology Colloquium. 1/30/2023

Asher Rosinger. Water needs, water insecurity, and nutritional adaptations: The intersecting pathways to human biology, Anthropology colloquium. University of Notre Dame. 12/15/2022

Ford L+, Barnhart K, Deshpande S, Swisstock B, Yoxtheimer D, Boser S, Fowler L, Warner A, **Asher Rosinger.** Two systematic reviews investigating drinking water perceptions and health outcomes connected to private water use in Pennsylvania. UNC Water and Health Conference. Chapel Hill, NC. 10/24/2022

Asher Rosinger. Anthropogenic Global Water Insecurity. Invited plenary speaker for Symposium: "Humans: The Planet-Altering Apes". Center for Academic Research & Training in Anthropogeny (CARTA), UCSD-Salk Institute, May 13-14, 2022.

Asher Rosinger, Bethancourt HJ, Young SL, Schultz AF. The embodiment of water insecurity: Water-related injuries and chronic stress in Lowland Bolivia. Human Biology Association. Denver, CO. March 24, 2022

Siddhi Deshpande*, **Asher Rosinger.** Water insecurity is associated with sugary drink consumption during the nutrition transition. Human Biology Association. Denver, CO. March 23, 2022

Asher Rosinger. Water insecurity and Human Biology: Environmental Exposures, Nutritional Adaptations, and Health Implications. PSU. Kinesiology Seminar Series. 10/22/2021

Asher Rosinger. Water insecurity and Human Biology: Environmental Exposures, Nutritional Adaptations, and Health Implications. PSU. Anthropology Colloquium. 9/22/2021

Asher Rosinger. Panelist on HWISE NOW webinar on Drinking Water Quality and HWISE: Debates, Issues, Challenges 5/25/2021: https://www.youtube.com/watch?v=AtMbmJslphg

Asher Rosinger. Water insecurity and Human Biology: Environmental Exposures, Nutritional Adaptations, and Health Implications. Rutgers University. Center for Human Evolutionary Studies Colloquium. 4/30/2021

Asher Rosinger. The Embodiment of Water Insecurity. Millenium Café, PSU 4/13/2021

Asher Rosinger. Thirst perception is associated with ambient temperature and season of birth, but not hydration status: Data from two small-scale societies in extreme thermal environments. Human Biology Association. March 30, 2021

L Ford+, HJ Bethancourt^, ZS Swanson, R Nzunza, E Ndiema, D Braun, H Pontzer, **AY Rosinger.** Coping strategies for water insecurity and their relation to dehydration, diarrhea, and injury. Human Biology Association. March 30, 2021

Swanson, ZS+, Bethancourt^, H., Saunders, J*, Nzunza, R., Ndiema, E., Braun, D. R., **Rosinger AY**, Pontzer H. (2021). Distinct patterns of early childhood growth represent variation in life history strategy among Daasanach pastoralists living in Northern Kenya. *American Journal of Physical Anthropology, 174*(S71), 101-102. doi:10.1002/ajpa.24262

Asher Rosinger. Built environments and water insecurity in extreme thermal conditions. AAAS Annual Meeting. Online. 2/8/2021

Ford L+, **Asher Rosinger.** Water borrowing, water insecurity, and psychosocial stress. UNC Water and Health Conference. Online. 10/26/2020

Asher Rosinger. Disparities in tap and bottled water consumption in the US. Water Talk webinar; Arizona State University. Online. 7/1/2020

Asher Rosinger. Water Physiology from an Evolutionary Perspective. Hydration for Health 2020 Conference keynote. Online. 6/24/2020

Asher Rosinger. Water insecurity and health and human biology in lowland Bolivia and northern Kenya. Nutrition Live Online 2020 plenary. American Society of Nutrition. 6/4/2020.

Asher Rosinger, Latona C*, John J*, Kelyman A*, Pauley A, Leonard K, Hohman E, McNitt K, Downs D, Savage JS. Hydration status changes during pregnancy may have implications for birth weight: A longitudinal, randomized-control trial. Am J Hum Bio 2020 Apr 1 (Vol. 32).*****

Bethancourt H^, Swanson Z+, Huanca T, Conde E, Saunders J, Dhanasekar S, Young S, Nzunza R, Pontzer H, **Rosinger A**. Prevalence and predictors of dehydration across distinct water insecure contexts: The Water Insecurity, Stress, and Hydration (WISH) study among Tsimane' in lowland Bolivia and Daasanach in northern Kenya. Am J Hum Bio 2020 Apr 1 (Vol. 32).*****

Swanson ZS+, Bethancourt H^, Saunders J*, Dhanasekar S, Nzunza R, **Rosinger AY**, Pontzer H. The effect of lifestyle variation on health and life history in Daasanach pastoralists of Northern Kenya. Am J Hum Bio 2020 Apr 1 (Vol. 32).*****

Asher Y Rosinger, Hilary Bethancourt^, Zane S Swanson+, Jessica Saunders, Shiva Dhanasekar, W Larry Kenney, Sera L Young, Rosemary Nzunza, Herman Pontzer. Dam health effects: Drinking water salinity is a key risk factor for hypertension and dilute urine among Daasanach pastoralists in Northern Kenya. American Association of Physical Anthropology 90th annual meeting 2020.*****

Ford, L. B.+, Bethancourt, H^, Swanson, Z+, Young, S., Nzunze, R., Pontzer, H., & **Rosinger, A. Y**. (2020, March). Human biology among daasanach pastoralists in northern kenya: Water insecurity, water borrowing, and psychosocial stress. Am J Phys Anth (Vol. 171, pp. 88-88).*****

Swanson, Z. S+, Bethancourt, H^, Saunders, J*, Nzunza, R., **Rosinger, A. Y**., & Pontzer, H. (2020, March). Distinct early growth trajectory among Daasanach pastoralists of Northern Kenya. Am J Phys Anth (Vol. 171, pp. 278-278).

Saunders, J*, Swanson, Z. S+, Bethancourt, H^, Dhanasekar, S*, Nzunza, R., **Rosinger, A. Y.,** & Pontzer, H. (2020, March). Human Biology and the Koobi Fora Field School: New Work with the Daasanach, a Small-Scale Pastoralist Population. Am J Phys Anth (Vol. 171, pp. 248-248).*****

Asher Rosinger. The toll of water insecurity on health and human biology: Environmental exposures, nutritional adaptations, and chronic health implications. Bio Anthropology Colloquium, Northwestern University. Feb 21, 2020**.**

Asher Rosinger. Water security, water salinity, and chronic health implications among Pastoralists in Northern Kenya. Population Research Institute Brown Bag, Penn State. Jan 21, 2020.

Asher Rosinger. Long-term perspectives on water security, food security, and land management among Pastoralists. WEF Nexus Africa, Penn State. Jan 9, 2020.

Asher Rosinger. Bio-behavioral variation in human water needs: How adaptations, early life environments, and the life course affect body water homeostasis. Nutrition Colloquium, Penn State University. Oct 28, 2019.

Asher Rosinger, Alexandra Brewis, Amber Wutich, Wendy Jepson, Justin Stoler**.** Water Borrowing is Widely Practiced, and Associated with Market, Infrastructure, and Public Health Failures Globally. 8th annual Water and Health Conference. Chapel Hill, NC, October 2019.

Asher Rosinger. Biobehavioral Variation in Human Water Needs and Body Water Homeostasis (**Plenary**). Human Biology Association 44th annual Meeting. Cleveland, OH, March 27, 2019.

Asher Rosinger, Alex Brewis. Life and Death: Human Biology of water (**Introduction to Plenary**). Human Biology Association 44th annual Meeting. Cleveland, OH, March 27, 2019.

Asher Rosinger. Biobehavioral Variation in Human Water Needs and Body Water Homeostasis. Bio Anthropology Colloquium, Yale University. Jan 17, 2019.

Asher Rosinger, Sascha Ellington, Janice Perez-Padilla, Samantha Olson (presentor), Regina Simeone, Caitlin Pedati, Betsy Schroeder, Jorge L. Munoz-Jordan, Laura E. Adams, Romeo Galang, Miguel Valencia-Prado, Candimar Colón, Mary Goodwin, Dana Meaney-Delman, Lyle Petersen, Denise Jamieson, Carmen Deseda, Margaret Honein, Brenda Rivera-García, Carrie Shapiro-Mendoza. Evaluating differences in Zika virus diagnostic test results by specimen type among pregnant women during the Zika virus outbreak, Puerto Rico 2016. 67th Annual Meeting of the American Society of Tropical Medicine and Hygiene. New Orleans, LA. October 30, 2018.

Asher Rosinger. Chicha as Water: Longitudinal Examination of Changes in Traditional Fermented Beer Consumption Among Forager Horticulturalists in the Bolivian Amazon. British Academy of the Humanities and Social Sciences. Conference on Alcohol and Humans: A long and social affair. London, Britain. September 13, 2018.

Asher Rosinger. Health Perspectives on Water Insecurity in the Global South. International Waters Network Webinar: April 26, 2018. https://www.youtube.com/watch?v=iM4SVxnQ-g0&feature=youtu.be&t=1267

Asher Rosinger, Jeff L. Sands, Susan Tanner. Is age-related decline in urine concentrating ability universal? Hydration biomarkers from the US and Bolivian Amazon. Human Biology Association 43rd annual Meeting. Austin, TX, April, 2018.

Asher Rosinger, Sera L. Young, Shalean M. Collins, Syeda R. Haider, Pallavi Mishra, Honest T. Nagai, Mnyeshi Petro, Godfred O. Boateng And Jennifer A. Downs**.** *Schistosoma haematobium,* but not *Schistosoma mansoni*, increases urine specific gravity in a sample of rural Tanzanian women, 2016. American Association of Physical Anthropology 88th annual Meeting. Austin, TX, April, 2018.

Asher Rosinger. Who drinks the tap water? Disparities in tap and bottled water consumption among US adults, 2011–2014. Water Working Group Webinar. March 2018.

Asher Rosinger. Who drinks the tap water? Disparities in tap and bottled water consumption among US adults, 2011–2014. 6th annual Water and Health Conference: Where Science Meets Policy, Chapel Hill, NC, October 2017.

Asher Rosinger. Water Insecurity after a Historic Flood: Diarrhea and Dehydration in the Bolivian Amazon. Global Household Water Insecurity Workshop, Northwestern University, August 2017.

Asher Rosinger, and co-authors**.** Evaluating the utility of rRT-PCR testing in whole blood compared to other specimens and IgM testing to optimize the diagnosis of Zika Virus infection among asymptomatic pregnant women – Puerto Rico, 2016. 66th Annual EIS Conference at the Centers for Disease Control and Prevention, GA, USA, April 2017.

Asher Rosinger, Margaret Carroll, Cynthia Ogden. Decreasing trends in Total Cholesterol, Triglycerides, and Low-Density Lipoprotein in U.S. adults, 1999–2014. Human Biology Association 42nd Annual Meeting. New Orleans, LA. April, 2017.

Asher Rosinger. The role of nutritional adaptations, lifestyle transitions, and weight status in human water needs. Department of Biobehavioral Health, The Pennsylvania State University, February 2017.

Asher Rosinger. Two Minute Update: Evaluating the diagnostic utility of rRT-PCR testing on whole blood for the diagnosis of Zika Virus infection among pregnant women, Puerto Rico October 1 – November 5, 2016. Tuesday Morning Seminar, CDC. Atlanta, GA. November, 2016.

Janice Pérez-Padilla, Kyle Ryff, Roosecelis Brasil Martines, Alma Martínez-Quiñones, Romeo R. Galang, **Asher Y. Rosinger**, Mary Goodwin, Regina Simeone, Carrie K. Shapiro-Mendoza, Denise Jamieson, Margaret Honein, Cynthia Goldsmith, Julu Bhatnagar, Brenda Rivera-García & Miguel Valencia-Prado. Zika Virus Infection and Pregnancy Outcomes in Puerto Rico. ID Week 2016, New Orleans, LA. October, 2016.

Asher Rosinger. Nutritional Assessment: Anthropometry and the Nutrition Transition. Nutritional Epidemiology. George Washington University, Washington, DC. September 2016.

Asher Rosinger. Tales from the field: Two deployments with the Zika Active Pregnancy Surveillance System in Puerto Rico. DHANES Division Meeting July 2016.

Asher Rosinger, Hannah Lawman, Lara Akinbami, and Cynthia Ogden. The role of obesity on water intake and hydration status in U.S. adults: 2009-2012. 65th Annual EIS Conference at the Centers for Disease Control and Prevention, GA, USA, May 2016.

Asher Rosinger, Hannah Lawman, Lara Akinbami, and Cynthia Ogden. The role of obesity on water intake and hydration status in U.S. adults: 2009-2012. American Association of Physical Anthropology 86th annual Meeting. Atlanta, GA, April, 2016

Asher Rosinger. The role of obesity in the relationship of water intake and urine osmolality. Tuesday Morning Seminar. CDC. Atlanta, GA. March, 2016.

Asher Rosinger. How to conduct an outbreak investigation: a case study. Nutritional Epidemiology. George Washington University, Washington, DC. September 2015.

Asher Rosinger. Heat and hydration status: Predictors of repeated measures of urine specific gravity among Tsimane' adults in the Amazon. Human Biology Association 40th Annual Meeting. St. Louis. ***Winner best podium presentation.** March 2015.

Asher Rosinger. Hydration strategies, nutrition, and health during a lifestyle transition in the Bolivian Amazon. Department of Anthropology, University of Florida, February 2015.

Asher Rosinger. Hydration strategies, nutrition, and health during a lifestyle transition in the Bolivian Amazon. School of Anthropology, University of Arizona, January 2015.

Asher Rosinger, Susan Tanner, William R Leonard, and TAPS Study Team. Setting nutritional pathways: The effects of household market food expenditures on body composition among rural Bolivian children. American Anthropological Association 113th Annual Meeting, Washington, DC, December 2014.

Asher Rosinger. Water quality, decision-making, and disease before and after a flood: A natural experiment among an indigenous population in the Bolivian Amazon. 3rd annual Water and Health Conference: Where Science Meets Policy, Chapel Hill, NC, October 2014

Asher Rosinger. Nutrition, disease, and hydration during a lifestyle transition in the Bolivian Amazon. Department of Anthropology, Yale University, New Haven, CT, October 2014.

Asher Rosinger. AnthroHacking: Tips for Conducting Fieldwork. Department of Anthropology, University of Georgia, Athens, GA, November 2013.

Asher Rosinger, Susan Tanner. Water from fruit or the river? Examining hydration strategies among Tsimane' adults in the Bolivian Amazon. Human Biology Association 38th Annual Meeting. Knoxville, TN. ***Winner best poster presentation.** March 2013.

Asher Rosinger, Susan Tanner, William Leonard, and TAPS Bolivia Research Team. Precursors to Overnutrition: The Effects of Household Market Food Expenditures on Measures of Body Composition Among Tsimane' Adults in Lowland Bolivia. Global Education Forum: Obesity, Food Security, and Nutrition in a Global Context. UGA, Athens, GA**. *Winner best Poster presentation.** March 2013.

Asher Rosinger. Water intake strategies and disease in the Bolivian Amazon. One Health Symposium: Breaking barriers and crossing-scales. University of Georgia, Athens, GA 2013.

Susan Tanner, **Asher Rosinger**, Ricardo Godoy, William Leonard, Tom McDade, Viki Reyes-Garcia, and Tomas Huanca. Functional consequences of adult malnutrition and parasitic infection among the Tsimane' of lowland Bolivia. Human Biology Association 36th Annual Meeting, Minneapolis, MN. March 2011.

Asher Rosinger. Vulnerability, perception, and water quantity: An assessment of childhood diarrhea in Lowland Bolivia. American Anthropological Association 108th Annual Meeting, New Orleans, LA. November 2010.

RESEARCH EXPERIENCE

Water, Health, and Nutrition Laboratory, Pennsylvania State University
Founder | Director, July 2017–present

Daasanach Human Biology Project, Lake Turkana, Kenya
Co-PI, July 2017–present

- Longitudinal study on water & food insecurity, water quality, nutrition, and health

Household Water Insecurity Experiences Scale Consortium
Site PI for Beni, Bolivia, August 2017–2022

Tsimane' Amazonian Panel Study, Beni, Bolivia
Senior Researcher, June 2009–2019

- Hydration status and water insecurity component PI
- Perception of thirst and hydration; Dietary change and effects on weight and adiposity

Centers for Disease Control and Prevention, Puerto Rico
EIS officer, 2015–2017

- Zika Response with the Pregnancy and Birth Defects Task Force, Puerto Rico. 3 Deployments:
  - March, 2016: Co-led Epi-Aid 2016-021: Enhanced Surveillance of Pregnancy and Infant Outcomes following Zika Virus Infection in Puerto Rico
  - June–July, 2016: Served as surveillance site coordinator and liaison to Puerto Rico Department of Health
  - October–November, 2016: Led Epi-Aid 2017-001: Evaluating the Diagnostic Utility of rRT-PCR-testing on Whole Blood for the Diagnosis of Zika Virus Infection among Pregnant Women in Puerto Rico

The University of Georgia, Beni, Bolivia
NSF and Wenner-Gren Study Principal Investigator, July 2012–June 2014

- Conducted a longitudinal study in 2 communities in Beni, Bolivia regarding water intake strategies, hydration, water quality, and gastrointestinal illness.
- Collaborated with local Bolivian environmental health and parasitological laboratories to assess water quality analysis and fecal sample analysis.
- Managed, trained, and arranged logistics for an international field team of four, including a Bolivian MD, indigenous translator, and US research assistant.

Environmental Protection Agency, National Exposure Research Laboratory, Athens GA
Student Intern, January 2012–May 2012

- Conducted water quality analysis investigating the effects of agricultural runoff in watersheds using different land management techniques.
- Collected and analyzed water samples for salmonella, E. coli, enterococci, total coliforms, and turbidity; DNA extraction methods, and data analysis.

National Science Foundation Field School in Anthropological Methods, Beni, Bolivia
Field Assistant, Student, and Researcher, June–August 2009, 2010

PEER-REVIEW ACTIVITIES

Editorial responsibilities

- American Journal of Human Biology, Editorial Board, 2025-present.
- Evolution, Medicine, and Public Health, Associate Editor, 2025-present
- Journal of the Academy of Nutrition and Dietetics, Guest editor for Special Issue "Water in a rapidly changing world", Feb 2024-June 2026
- Evolution, Medicine, and Public Health, Co-Guest editor for special issue "Climate change, evolution, and water needs", June 2023-July 2025
- American Journal of Human Biology, Guest editor for Special Issue "Extreme Climatic Events and Human Biology and Health", (January issue, 2023)
- American Journal of Human Biology, Co-Guest editor for Special Issue "Water and Human Biology" (January/February issue, 2020)

Ad hoc reviewer

- Academic Pediatrics; American Journal of Clinical Nutrition; American Journal of Human Biology (>12; 1/2026); American Journal of Public Health; American Journal of Physical/Biological Anthropology (*3); BMC Public Health; BMJ Open; British Journal of Nutrition; Contemporary Clinical Trials; Ecology of Food and Nutrition; EcoHealth; Ecology and Society; Environmental Epidemiology; Environmental Research: Health; Environmental Science & Technology; European Journal of Nutrition (*3); Evolution, Medicine, and Public Health; Healthy Eating Research Rapid Report on lead in school water; Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services Global Assessment; International Journal of Primatology; Journal of the Academy of Nutrition and Dietetics; Journal of Nutrition (*2, 3/2026); Journal of Nutritional Sciences (6/2026); Journal of Water and Health; Nature; Nutrients (*5); Nutrition Journal; Obesity; Pediatrics; People and Nature; PLOS Water (*2); Population and Development Review (2/2026); Population and Environment; Public Health Nutrition (*4); Sleep Health; Social Science & Medicine (*5); Social Science & Medicine-Mental Health (*3; 5/2026); Southeastern Geographer; Water Security; WHO Bulletin; WIRES Water (*3); Cambio Local – Cambio Global: Radiografia del Processo de Cambio en la Sociedad Tsimane', Amazonia Boliviana (edited volume)

Grant reviews

- National Science Foundation – cultural anthropology program ad hoc reviewer (4/2022)
- National Science Foundation – cultural anthropology program doctoral dissertation research improvement panel (10/2022)

SERVICE

Pennsylvania State University

- Huck Institute-Center for Infectious Disease Dynamics job search – Committee member; University service, 8/2025-12/2025
- Population Research Institute, Climate Change and Health Working Group Lead, 8/2023-Present
- Advisory board, Penn State's PRI P2C Climate Change and Health Supplement, 9/2023-Present
- Demography Program Executive Committee, University service, 8/2025-Present
- Promotions and Tenure Committee (elected), BBH Department, 8/2025-Present
- Environmental Health Sciences Job searches (2 searches), HHD Committee Chair, 2023-24
- Environmental Health Sciences Job searches (2 searches), BBH Committee member. 23-24
- Climate Consortium Advisory Council, University wide, 9/2023-Present
- Colloquium and Founder's Day Committee, Department of BBH, 8/2023-2024
- Promotions and Tenure Committee, Anthropology Department, 8/2023-2024
- Advisory Committee (elected), Department of BBH, 2022-2023
- Seed grant review, Center for human evolution and diversity, December 2023
- Seed grant review, Center for Translational Science Institute, 2023
- Experiential Programs Admissions Committee, Department of BBH, 2021-2023
- Co-chair, Water and human health Job Search, BBH, 11/2021-5/2022
- Diversity, Equity, and Inclusion Committee, BBH, (committee member, 2018-2021)
- Search Committee, Rural Health Disparities Postdoc, BBH, (committee member, 5-7/21)
- Panelist for Sustainability Institute's film screening of the Water Front, PSU (3/22/2021)

- Rural Health Disparities Job Search, BBH, (committee member, 2020-2021)
- Reviewer of Graduate Student Travel Grants for Global Programs, PSU (Fall 2019)
- Moderator for Families and Food 27th Annual Symposium, PSU (10/22/2019)
- Web Committee, BBH (2017-2019; Committee chair 2018-2019)
- Judge for Rapid 90 competition, BBH (3/21/18)

External Service

- Nominations and Elections Committee, Chair, Human Biology Association, 2023-2025
- Advisory board, NSF funded Cultural Anthropology Methods Program, 3/2021-2025
- Steering Committee, NSF funded HWISE-RCN, 2/2021–2024
- Koobi Fora Field School Program Committee (application review), 11/2019-present
- HWISE RCN (NSF) Health and Human Biology Activity Hub Lead, 8/2019–2025
- Program committee, abstract reviews, session chairing for 45th-47th annual meeting of the Human Biology Association, 9/2019-2023
- Plenary session organizer of "Life and Death: The Human Biology of Water", 44th annual meeting of the Human Biology Association, 4/2019
- Scientific Advisory Committee: Developing a Strategic Research Agenda for Eliminating Consumption of Sugar-Sweetened Beverages (SSB) and Increasing Water Use in Early Childhood. Healthy Eating Research, Robert Wood Johnson Foundation, Jan–Aug, 2018
- Chair for Human Demography and Epidemiology Session: American Association of Physical Anthropology Annual Meeting, April 14, 2018.
- Breakout session co-lead: Analyzing secondary datasets for human biology research: Human Biology Association 42nd Annual Meeting, April 2017.
- Panel discussant: Careers outside academia for human biologists. Human Biology Association 41st Annual Meeting, April, 2016
- Moderator *2, Session: "Understanding and analyzing data from the National Health and Nutrition Examination Survey (NHANES): Overview and basic analyses". AND "Overview of the National Health and Nutrition Examination Survey (NHANES)". National Conference on Health Statistics, Washington, D.C., August 2015
- A Day in the Field: Anthropological Field Methods Expo, Biological Anthropology Table, UGA, 2010
- Vice President, Anthropology Graduate Student Organization (AGSO), 2009
- Manuscript Editor, Ecological and Environmental Anthropology Journal, 2008–2009

LANGUAGES

- English; Spanish

PROFESSIONAL MEMBERSHIPS

- American Association for the Advancement of Science
- Human Biology Association
- American Association of Biological Anthropology
- The Epidemic Intelligence Service Alumni Association
- NOPREN - Water Working Group
- National Drinking Water Alliance

SELECTED MEDIA COVERAGE/SCIENCE COMMUNICATION

- **National Geographic** feature story "The Evolution of Diet" in September 2014 edition: http://www.nationalgeographic.com/foodfeatures/evolution-of-diet/
- **National Geographic** "We Are What We Eat: Foraging in the Amazon Rainforest" October 15, 2014: http://proof.nationalgeographic.com/2014/10/15/we-are-what-we-eat-foraging-in-the-amazon-rainforest/
- **CBS News** "Are Americans drinking enough water every day?" April, 26, 2016: http://www.cbsnews.com/news/are-americans-drinking-enough-water-every-day/
- **HealthDay News** "Americans Getting Adequate Water Daily, CDC Finds" April 26, 2016: https://consumer.healthday.com/vitamins-and-nutrition-information-27/food-and-nutrition-news-316/americans-getting-adequate-water-per-day-cdc-finds-710354.html
- **Public News Service** "Americans Need to Step Up Their Water Intake" April 26, 2016: http://www.publicnewsservice.org/2016-04-26/health-issues/americans-need-to-step-up-their-water-intake/a51608-1
- **WCLU radio "**CDC Study Shows Importance of Hydration-Especially in Seniors" May 4, 2016: http://wcluradio.com/cdc-study-shows-importance-of-hydration-especially-in-seniors/
- **Washington Post** "Zika is spreading explosively in Puerto Rico, report says" July 29, 2016: https://www.washingtonpost.com/news/to-your-health/wp/2016/07/29/zika-is-spreading-explosively-in-puerto-rico-report-says/
- **New York Times** "Zika Cases in Puerto Rico Are Skyrocketing" July 30, 2016: http://www.nytimes.com/2016/07/31/health/zika-virus-puerto-rico.html?_r=0
- **Reuters Health** "Americans' cholesterol, triglyceride levels continue to fall" November 30, 2016: http://www.livescience.com/57020-cholesterol-level-trends.html#sthash.UHCVPaSC.gbpl
- **LiveScience "**Why Americans Cholesterol Levels Are Improving" November 30, 2016: http://www.livescience.com/57020-cholesterol-level-trends.html#sthash.UHCVPaSC.gbpl
- **MedPage Today** "CDC Analysis: National Lipid Profile Improving" December 1, 2016: http://www.medpagetoday.com/cardiology/dyslipidemia/61768
- **Medscape** "Is Diet Outpacing Pills in Driving Down US Lipid Levels?" December 2, 2016: http://www.medscape.com/viewarticle/872665
- **CNN** "Study: 30% of kids have two or more sugary drinks a day" January 26, 2017: http://edition.cnn.com/2017/01/26/health/sugary-drinks-children-cdc-study/index.html
- **Washington Post** "Americans were making a lot of progress cutting back on sugary drinks. Now that's stopped" January 26, 2017: https://www.washingtonpost.com/news/wonk/wp/2017/01/26/americans-were-making-a-lot-of-progress-cutting-back-on-sugary-drinks-now-thats-stopped/?utm_term=.2f964e965053
- **StatNews** "Trend of Americans giving up sugary drinks seems to have gone flat" January 26, 2017: https://www.statnews.com/2017/01/26/soda-sugary-drinks/
- **Dailymail** "We just cannot quit soda, data show" January 26, 2017: http://www.dailymail.co.uk/health/article-4160630/Trend-Americans-giving-sweet-drinks-flat-lined.html
- **NCHS Blog** "Sugar-sweetened Beverage Consumption in U.S." January 26, 2017: https://nchstats.com/2017/01/26/sugar-sweetened-beverage-consumption-in-u-s/
- **Business Insider** "A shocking number of all the calories you consume in a day come from sugary drinks" January 26, 2017: http://www.businessinsider.com/how-much-of-our-daily-calories-come-from-sugar-sweetened-drinks-2017-1

- **Los Angeles Times** "Microcephaly or other birth defects seen in 5% of pregnancies affected by Zika, CDC" June 08, 2017: http://www.latimes.com/science/sciencenow/la-sci-sn-zika-birth-defects-20170608-htmlstory.html
- **Northwestern University Journalism** "As half the world suffers from water shortages, researchers gather to meet the threat", August 29, 2017: http://climatechange.medill.northwestern.edu/2017/08/29/as-half-the-world-suffers-from-water-shortages-global-researchers-gather-to-meet-the-threat/
- **Georgia Magazine** "Disease Detective", Alumni Profile in Fall 2017 edition, page 50: https://ugamagazine.uga.edu/issue/fall-2017
- **Penn State News** "Black, Hispanics less likely to drink tap water, more likely to buy bottled water" February 23, 2018: http://news.psu.edu/story/505759/2018/02/23/research/black-hispanics-less-likely-drink-tap-water-more-likely-buy-bottled
- **Medical Xpress** "Black, Hispanics less likely to drink tap water, more likely to buy bottled water" 2/26/2018: https://medicalxpress.com/news/2018-02-black-hispanics-bottled.html
- **The Journal of Blacks in Higher Education** "Academic study finds a large racial gap in trust of public water supplies" March 5, 2018: https://www.jbhe.com/2018/03/academic-study-finds-a-large-racial-gap-in-trust-of-public-water-supplies/
- **The Washington informer** "Racial gap evident in water consumption: Study" March 9, 2018: http://washingtoninformer.com/racial-gap-evident-in-water-consumption-study/
- **Circle of Blue** "H20 Hotspots: Speaking of Water – Who Trusts the Tap" Podcast Interview March 27, 2018: http://www.circleofblue.org/2018/world/whats-up-with-water-speaking-of-water-who-trusts-the-tap-bonus-episode/
- **The National Drinking Water Alliance** "Disparities in tap and bottled water intake among US adults" April 20, 2018: http://www.drinkingwateralliance.org/single-post/2018/04/20/Disparities-in-Tap-and-Bottled-Water-Intake-Among-US-Adults
- **The Sausage of Science Podcast** "When it rains, it floods" Podcast Interview September 17, 2018: https://soundcloud.com/humanbiologyassociation/sos-episode-23-when-it-rains-it-floods-a-chat-with-asher-rosinger
- **Advanced Science News.** "Water sharing across cultures" September, 20, 2018: https://www.advancedsciencenews.com/water-sharing-across-cultures-gifts-exchanges-and-other-transfers-between-households/
- **Penn State News** "Shorter sleep can lead to dehydration" November 5, 2018: https://news.psu.edu/story/545953/2018/11/05/research/shorter-sleep-can-lead-dehydration
- **Bustle.** "Drinking more water might help you feel less tired, according to this new study" November 6, 2018: https://www.bustle.com/p/drinking-more-water-might-help-you-feel-less-tired-according-to-this-new-study-13095383
- **Elite Daily**. "Does dehydration affect your sleep? Lack of water def affects your sleep, science says" November 6, 2018: https://www.elitedaily.com/p/does-dehydration-affect-your-sleep-lack-of-water-def-affects-your-sleep-science-says-13098272
- **Inverse.** "Sleep deprivation: Dehydration effects revealed in morning urine" November 7, 2018: https://www.inverse.com/article/50557-sleep-deprivation-morning-urine
- **The Independent.** "Not getting enough sleep? Drinking more water could help you" November 7, 2018. https://www.independent.co.uk/life-style/health-and-families/sleep-hydration-water-study-fatigue-penn-state-university-a8623841.html.
- **IFLScience.** "Scientists Discover Yet Another Way Sleep Deprivation Can Hurt Us" November 7, 2018: https://www.iflscience.com/health-and-medicine/scientists-discover-yet-another-way-sleep-deprivation-can-hurt-us/all/.

- **Bicycling Magazine.** "Your Sleep Schedule Might Be Messing With Your Hydration Levels" https://www.bicycling.com/health-nutrition/a24746442/sleep-dehydration-study/.
- **KUSI News: Good Morning San Diego.** "How sleep deprivation may cause dehydration" November 13, 2018: https://www.kusi.com/how-sleep-deprivation-may-cause-dehydration/.
- **BTRtoday: The Daily Beat Podcast** Interview. "Studying Sleep and Dehydration with Asher Rosinger" November 19 & 20, 2018: http://www.btrtoday.com/listen/thedailybeat/studying-sleep-dehydration-with-asher-rosinger-part-1/**&** http://www.btrtoday.com/listen/thedailybeat/studying-sleep-hydration-with-asher-rosinger-part-2/
- **The Economist.** Loss of kidney function in old age is not inevitable. Feb. 13, 2019: https://www.economist.com/science-and-technology/2019/02/13/loss-of-kidney-function-in-old-age-is-not-inevitable?fsrc=scn/tw/te/bl/ed/lossofkidneyfunctioninoldageisnotinevitablenephrology
- **Penn State News** "Not drinking water may boost kids' consumption of sugary beverages" April 22, 2019: https://news.psu.edu/story/569568/2019/04/22/research/not-drinking-water-may-boost-kids-consumption-sugary-beverages
- **CNN.** "Drinking water linked to fewer sugary drinks -- and calories -- in kids" April 22, 2019: https://www.cnn.com/2019/04/22/health/water-decreases-sugary-drinks-study/index.html
- **NPR**. Daily Newscast Radio Interview 4/23/2019 at 8 am.
- **Reuters.** Drinking water might help kids limit soda. https://www.reuters.com/article/us-health-kids-beverages/drinking-water-might-help-kids-limit-soda-idUSKCN1RZ2DZ
- **WebMD.** Not Just One Reason Kids Don't Drink Enough Water. 7/29/2019: https://www.webmd.com/children/news/20190729/not-just-one-reason-kids-dont-drink-enough-water
- **Penn State News.** Biobehavioral health professor named Atherton Hertzler Early Career Professor. 8/05/2019: https://news.psu.edu/story/582749/2019/08/05/academics/biobehavioral-health-professor-named-atherton-hertzler-early
- **IFLScience.** "Bolivia's "Astonishingly Heart-Healthy" Indigenous Group Gained Weight After Adding Cooking Oil": 9/22/2019 https://www.iflscience.com/health-and-medicine/bolivias-astonishingly-hearthealthy-indigenous-group-gained-weight-after-adding-cooking-oil/
- **NPR All things considered.** Philadelphia Promotes Tap Water Amid National Distrust. 10/12/19: https://www.npr.org/2019/10/12/769783763/philadelphia-promotes-tap-water-amid-national-distrust
- **Penn State News.** Professor awarded NSF grant for research in water security in Kenya: 11/6/19: https://news.psu.edu/story/596868/2019/11/06/research/professor-awarded-nsf-grant-research-water-security-kenya
- **Penn State News.** NSF grant will enable researchers to train students in methods of human biology: 11/6/19: https://news.psu.edu/story/596871/2019/11/06/academics/nsf-grant-will-enable-researchers-train-students-methods-human
- **Penn State News.** Hydration may affect cognitive function in some older adults: 12/15/19: https://news.psu.edu/story/601196/2019/12/16/research/hydration-may-affect-cognitive-function-some-older-adults
- **Futurity.** Too little (or too much) water may affect older women's cognition. 12/23/2019: https://www.futurity.org/hydration-older-women-cognition-drinking-water-2240342-2/

- **Yahoo News.** Overhydration: How much water is too much water? 1/10/2020: https://uk.news.yahoo.com/overhydration-how-much-water-is-too-much-092614580.html
- **Penn State News.** A new way to research water: 1/15/20: https://news.psu.edu/story/603604/2020/01/15/research/new-way-research-water
- **Phys.org**. The connection between water and human biology is more important now than ever. 1/15/2020: https://phys.org/news/2020-01-human-biology-important.html
- **Circle of Blue.** Daily stream feature June 11, 2020 and What's on Tap June 15, 2020: https://www.circleofblue.org/2020/daily-stream/the-stream-june-11-2020-federal-lawsuit-could-end-addition-of-fluoride-to-drinking-water-in-u-s/ & https://www.circleofblue.org/2020/wef/whats-up-with-water-june-15-2020/
- **Penn State News.** Water borrowing: an invisible, global coping strategy for household water issues: 9/09/2020: https://news.psu.edu/story/631238/2020/09/09/research/water-borrowing-invisible-global-coping-strategy-household-water
- **Altmetric.** How research is protecting our most valuable resource: 3/22/2021: https://www.altmetric.com/blog/how-research-is-protecting-our-most-valuable-resource/
- **Inverse**. 4/24/2021. Why not drinking tap water may do more harm than good. https://www.inverse.com/mind-body/should-i-drink-tap-water
- **Scientific American.** 6/15/2021. Why humans are so thirsty: https://www.scientificamerican.com/article/why-humans-are-so-thirsty/
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- **Penn State News.** 7/12/2021. Hydration can impact pregnancy and birth outcomes: https://news.psu.edu/story/663534/2021/07/12/research/hydration-can-impact-pregnancy-and-birth-outcomes
- **Futurity.** 8/2/2021. How much water a day does pregnancy require? https://www.futurity.org/hydration-pregnancy-water-2606002-2/
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- **American Society for Nutrition**. 5/20/22. Diet recalls provide information needed to estimate water insecurity in the U.S. https://nutrition.org/diet-recalls-provide-information-needed-to-estimate-water-insecurity-in-the-u-s/
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- **Food and Environment Reporting Network & Mother Jones.** 11/21/2022. Why America's food security crisis is a water security crisis. https://thefern.org/2022/11/why-americas-food-security-crisis-is-a-water-security-crisis-too/
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- **NBC News.** 1/2/2023. Poor hydration may be linked to early aging and chronic disease, a 25-year study finds. https://www.nbcnews.com/health/health-news/poor-hydration-linked-early-aging-chronic-disease-study-rcna63741

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- **Consumer reports.** 6/30/2023. How much water should you drink. https://www.consumerreports.org/health/health-wellness/how-much-water-should-you-drink-a2011772915/
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- **New Orleans Nola.com.** 10/9/2023: How much salt is too much in your body? https://www.nola.com/news/environment/how-much-salt-is-too-much-salt-water-wedge-louisiana-new-orleans/article_97733512-6486-11ee-a90f-2b8e720756d0.html
- **Penn State News.** 1/23/2024: Podcast reveals the scale and complexity of global water challenges. https://www.psu.edu/news/research/story/podcast-reveals-scale-and-complexity-global-water-challenges/
- **Penn State News.** 6/7/2024: Secure access to food and water decreasing for US children. https://www.psu.edu/news/health-and-human-development/story/secure-access-food-and-water-decreasing-us-children
- **Smart Water Magazine.** 3/4/2025. Drinking water is getting saltier. How does that affect humans? https://smartwatermagazine.com/news/penn-state/drinking-water-getting-saltier-how-does-affect-humans
- **NPR.** 8/4/2025. What's the deal with electrolyte drinks — do you need them to stay hydrated? https://www.npr.org/2025/08/04/nx-s1-5470190/electrolytes-sport-drinks-hydration-salt
- **NPR.** 9/8/2025. Short Wave podcast: In the quest to maximize hydration, do you really need extra electrolytes? https://www.npr.org/transcripts/nx-s1-5531276
- **Nature.** Scientists lose jobs and grants as US government shutdown takes a toll. 10/15/2025. https://www.nature.com/articles/d41586-025-03365-1
- **Penn State News.** 11/13/2025. Q&A Can drinking tap water reduce how many calories children drink? https://www.psu.edu/news/health-and-human-development/story/qa-can-drinking-tap-water-reduce-how-many-calories-children