

CURRICULUM VITAE

Natalie Virginia Schwatka, PhD, MS

I. CURRENT POSITION

Associate professor with tenure	Department of Environmental and Occupational Health Center for Health, Work & Environment Colorado School of Public Health University of Colorado, Anschutz Medical Campus
Work address	Center for Health, Work and Environment Colorado School of Public Health University of Colorado, Anschutz Medical Campus 13001 17 th PI, 3 rd floor, Mail Box 119 HSC Aurora, CO 80045 USA
Office phone number	303-724-4607
Email	Natalie.Schwatka@cuanschutz.edu
Linkedin	natalieschwatka

II. EDUCATION

2005 – 2008	Bachelor of Arts, Psychology, University of Portland, Portland, OR
2009 – 2011	Master of Science, Environmental Health, Ergonomics & Human Factors Specialization, Colorado State University, Fort Collins, CO <u>Thesis</u> : “The impact of the aging workforce on injury in the construction industry” <u>Fellowship Trainee</u> : Centers for Disease Control/National Institute for Occupational Safety and Health Mountain & Plains Education and Research Center
2010	Internship, Risk Management, Pinnacol Assurance, Denver, CO
2011 – 2014	Doctor of Philosophy, Environmental Health, Ergonomics & Human Factors Specialization, Colorado State University, Fort Collins, CO <u>Dissertation</u> : “Managing through measurement: Occupational health and safety in the construction industry” <u>Fellowship Trainee</u> : Centers for Disease Control/National Institute for Occupational Safety and Health Mountain & Plains Education and Research Center

III. ACADEMIC POSITIONS

2008	Research Assistant, Department of Public Health & Preventative Medicine, Oregon Health Sciences University, Portland, OR
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2014 - 2015	Research Associate, Center for Health, Work and Environment, Department of Environmental and Occupational Health, Colorado School of Public Health, University of Colorado, Anschutz Medical Campus, Aurora, CO
2015 – 2017	Instructor, Department of Environmental and Occupational Health, Center for Health, Work and Environment, Colorado School of Public Health, University of Colorado, Anschutz Medical Campus, Aurora, CO
2017 – 2025	Assistant professor (tenure track), Department of Environmental and Occupational Health, Center for Health, Work and Environment, Colorado School of Public Health, University of Colorado, Anschutz Medical Campus, Aurora, CO
2025 – Present	Associate professor with tenure, Department of Environmental and Occupational Health, Center for Health, Work and Environment, Colorado School of Public Health, University of Colorado, Anschutz Medical Campus, Aurora, CO

IV. AWARDS & HONORS

2019	Delta Omega National Honorary Society in Public Health
2012 – 2013	DeField – Buchan Memorial Scholarship
2011	Outstanding Graduate Student Researcher of the Year, Colorado State University, Environmental Health Sciences
2010	Erma Byrd Scholarship

V. PROFESSIONAL ASSOCIATIONS

2022 – Present	Society for Total Worker Health
2018 – Present	Society for Occupational Health Psychology
2018 – Present	American Society of Safety Professionals
2011 – 2013	American Industrial Hygiene Association
2010 – Present	American Public Health Association
2009 – 2014	Human Factors and Ergonomics Society

VI. PROFESSIONAL LEADERSHIP AND SERVICE

At a national level, Dr. Schwatka aims to contribute to the Occupational Health and Safety scientific and practice-based communities, and the Total Worker Health sub-discipline in particular. She has served on professional association boards and contributed to their scientific meetings and efforts to help their members with professional development. She also advises regional and federal entities on strategy related to safety and health culture. Within Colorado, Dr. Schwatka serves the Colorado School of Public Health, Center for Health, Work & Environment, and the Department of Environmental and Occupational Health.

National

2025 – Present	Construction Industry Alliance for Suicide Prevention, Education committee member
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2024 – Present	National Institute for Occupational Safety and Health National Occupational Research Agenda Healthy Work Design and Well-being
2024	National Institute for Occupational Safety and Health, Alice Hamilton Award reviewer
2024 – Present	Respectful Workplace Advisory Group (Construction industry) for Oregon Institute of Occupational Health Sciences, Oregon Department of Transportation (ODOT), and Oregon Bureau of Labor and Industries (BOLI) Advisory group member
2023 – 2024	Occupational Safety and Health Administration, Department of Standards & Guidance Invited to be a member of a five-person Safety Culture Expert Panel tasked with helping shape their strategy and efforts to make 'safety a core value' for businesses across the United States (see ERG Consulting under grants and & contracts below).
2022 – Present	Society for Total Worker Health™ Advisory Panel Member & Total Worker Health Peer Learning Series Creator
2022 – 2024	Hospitalist Medicine ReEngineering Network (HOMERuN) Workforce planning group member – conduct collaborative research
2021 – 2025	National Institute for Occupational Safety and Health National Occupational Research Agenda Traumatic Injury Prevention Council Member
2018 – 2020	American Society of Safety Professionals (ASSP) Total Worker Health Task Force Member – help society apply the TWH approach to their current work practices
2018 – 2019	Association of Occupational Health Professionals in Healthcare (AOHP) Getting Started in Occupational Health in Healthcare Manual, Total Worker Health Reviewer
2015 – 2018	American Public Health Association (APHA) 2016-2017 - Occupational Health and Safety Section Councilor & International Conference Scientific Program Co-Chair
2014 – 2015	National Occupational Research Agenda (NORA) Construction Sector Council Safety Climate Work Group
Regional	
2014 – 2019	Alumni board chair - National Institute for Occupational Safety and Health Mountain and Plains Education and Research Center
University System - University of Colorado – Boulder, Colorado Springs, Denver, Anschutz Medical Campus	
2023 – 2024	Faculty Council – <u>Women's Committee Member</u>

School – Colorado School of Public Health

2025 – Present	Faculty senate, Chair of faculty work life support committee
2022 – 2025	Faculty senate member
2022 – 2025	Faculty senate equity committee
2020 – 2021	Gender equity in academia task force, Co-Chair and responsible for data analysis and report drafting

Center - Center for Health, Work & Environment

2023 – Present	Center Strategic Planning – Developing the Center's training and education strategic plan for the next 5 years
2021 – Present	Research Core Director, Director of pilot project's program, Center for Health, Work & Environment – a NIOSH-funded Total Worker Health Center of Excellence
2020 – Present	Executive committee member and Director of the Certificate in Total Worker Health Program, National Institute for Occupational Safety and Health Mountain and Plains Education and Research Center
2017 – 2018	Occupational Ergonomics and Safety Deputy Program Director, National Institute for Occupational Safety and Health Mountain and Plains Education and Research Center
2015 – Present	PRA Search Committees
2015 – Present	MAP ERC Research Day planning committee member

Department – Environmental and Occupational Health

2024 – 2025	Associate/Full Professor (tenure track) Search Committee
2021 – Present	Research in Progress Seminar Organizer
2020 – 2021	Career Panel Series Organizer
2020 – Present	Director of the Certificate in Total Worker Health Program
2020 – Present	DrPH Admissions Committee
2018 – Present	PRA Search Committees
2018	Associate/Full Professor (tenure track) Search Committee
2017 – Present	Certificate in Total Worker Health Admissions Committee
2015 – Present	Curriculum Committee
2015 – Present	MPH Admissions Committee

VII. PROFESSIONAL DEVELOPMENT

2025	VitalCog train the trainer. University of Colorado Anschutz Medical Campus.
2025	CCTSI iCorp Training. University of Colorado Anschutz Medical Campus.
2020-2021	Responsible Conduct of Research (RCR) Seminar Series. University of Colorado Anschutz Medical Campus. Taken as part of K01 grant activities.
2020	Social Network Analysis. ICPSR Summer Program in Quantitative Methods of Social Research. Taken as part of K01 grant activities.

2020	MBAX 6561 Executive leadership. University of Colorado Boulder Leed's School of Business. Taken as part of K01 grant activities.
2019	BIOS 6628 Latent variable methods. Colorado School of Public Health, University of Colorado Anschutz Medical Campus. Taken as part of K01 grant activities.
2019	PSY 7262 Health psychology I. Department of Psychology, University of Colorado Denver. Taken as part of K01 grant activities.
2018-2019	Colorado Clinical Translational Sciences Institute (CCTS) Colorado Mentor Program. Role: Mentee. Mentor: Dr. Lee Newman.
2016	Teaching Individual/Agent Based Modeling. Humboldt State University.
2012	Confirmatory factor analysis & Structural equation modeling. Center for the Advancement of Research Methods and Analysis, Wayne State University.

VIII. BOARD CERTIFICATION

2016 - 2022	Associate Ergonomics Professional (AEP), Board Certified Professional Ergonomists
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IX. REVIEW, REFEREE AND EDITORIAL ACTIVITIES

Dr. Schwatka serves as a reviewer for regional and national conferences, journals, and grants.

Conference Abstract Reviewer

2015 – 2018	American Public Health Association Annual Conference
2014 – Present	Work, Stress, and Health Conference, American Psychological Association
2021	National Institute for Occupational Safety & Health National Occupational Injury Research Symposium
2021	International Congress on Occupational Health
2022	International Symposium to Advance Total Worker Health

Editorial board

2023 – Present	Journal of Safety Research, 2024 Impact factor: 4.1
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Manuscript reviewer

- Journal of Occupational Health Psychology - Work, Stress, & Health Conference American Psychological Association, Best Intervention Competition
- National Institute for Occupational Safety & Health external manuscript reviewer
- American Journal of Industrial Medicine
- Occupational Health Southern Africa
- American Journal of Occupational & Environmental Medicine
- American Journal of Preventive Medicine
- Scandinavian Journal of Work, Environment & Health
- Journal of Occupational & Environmental Medicine
- BMC Public Health
- Personnel Review
- Annals of Work Exposures & Health

- Safety & Health at Work
- Journal of Safety Research
- Safety Science
- Journal of Occupational Rehabilitation
- Occupational Health Science
- International Journal of Environmental Research and Public Health

Grant proposal reviewer

2024	National Institute for Occupational Safety and Health, ad hoc study section member, 2024/10 SOH 2
2022	National Institute for Occupational Safety and Health/NYNJ Education and Research Centers: Pilot Projects
2018	National Institute for Occupational Safety and Health/Harvard Education and Research Center: Pilot Projects
2017 – Present	National Institute for Occupational Safety and Health/Center for Health, Work & Environment, Total Worker Health Center of Excellence: Pilot Projects
2015 – 2016	National Institute for Occupational Safety and Health/Mountain and Plains Education and Research Center: Pilot Projects

X. INVITED LECTURES, PRESENTATIONS & WORKSHOPS

Dr. Schwatka has given regional, national, and international invited presentations. These presentations were community focused and aimed to translating research findings into practice. Audiences included businesses and occupational health and safety practitioners.

Regional

1. **Schwatka, N.V.** (June, 2025). Transformational leadership in construction. Colorado American Subcontractors Association Health & Safety Summit. Invited presentation. Denver, CO.
2. **Schwatka, N.V.** (June, 2025). Total Worker Health. National Association for Environmental, Health, Safety & Sustainability Management. Invited presentation. Denver, CO.
3. **Schwatka, N.V.** (June, 2024). Psychological preparedness for community health centers. Colorado Community Health Network. Invited presentation. Virtual.
4. **Schwatka, N. V.** (December, 2023). How a safety professional can use the Total Worker Health approach. Invited keynote presentation, American Society of Safety Professionals December Member Appreciation event. Centennial, CO.
5. **Schwatka, N. V.** (October, 2023). Fostering Collaborative Leadership in Construction for Employee Health, Safety, and Well-being. Invited presentation, Protecting worker health in hazardous occupations, Occupational Health Psychology, Portland State University/Oregon Institute of Occupational Health Sciences, OHSU. Virtual.
6. **Schwatka, N. V.** (October, 2023). Leadership for healthcare worker well-being. Invited presentation, National Jewish Occupational and Environmental Medicine Research Forum. In-person.
7. **Schwatka, N. V.** (October, 2022). Foundations for safety leadership. Invited presentation, Oregon Construction Safety Summit, Virtual.
8. **Schwatka, N. V.** (October, 2021). Using shared leadership to enhance workforce health and safety. Invited presentation, Colorado Safety Association Annual Rocky Mountain Safety Conference, Virtual.

9. Goldman, C.* & **Schwatka, NV.** (August, 2021). "Why Health-Promoting Built Environments Matter and Tips to Achieve Them." Event workshop during the Annual Health Links Event, Virtual.
10. **Schwatka, NV.** & Shapiro, D. (November, 2020). "Total Worker Health Leadership Workshop." Virtual workshop for 14 leaders from diverse industries hosted by the Center for Health, Work & Environment.
11. **Schwatka, NV.**, Tenney, L., Newman, L., & Shapiro, D. (April, 2020). "Total Worker Health Leadership Workshop." Virtual workshop for 25 University of Colorado School of Public Health leadership.
12. **Schwatka, NV.** (September, 2018). "Total Worker Health." Presentation for Pinnacol Assurance construction policy holders, Denver, CO.
13. **Schwatka, NV.** (August, 2018). "Total Worker Health Leadership Lab." Pre-event workshop during the 5th Annual Health Links Event, Parker, CO.
14. **Schwatka, NV.** (September, 2017). "Creating a sustainable culture of health and safety." Fall Workers' Compensation Series organized by Pinnacol Assurance and Network Insurance Services, Eagle, CO.
15. Newman, L, **Schwatka, NV**, Brown, C, Thompson, J, Scott, J. (Classes of 2016-2017 and 2017-2018). "Working for health: Inspiring employee and organizational wellbeing." Developed and delivered health and safety leadership training in the fall and spring, University of Colorado Excellence in Leadership Program, Denver, CO.
16. **Schwatka, NV.** (August, 2017). "Public health at work." ColoradoSPH New Student Orientation, Aurora, CO.
17. **Schwatka, NV.** (July and August, 2017). "Creating a sustainable culture of health and safety." Pinnacol Assurance Risk Management Symposium, Grand Junction, CO and Loveland, CO.
18. **Schwatka, NV.** (April, 2017). "Health and productivity at work." Denver Metro Chamber of Commerce, Healthcare Subcommittee, Denver, CO.
19. **Schwatka, NV.** (April, 2017). "Occupational health and safety." EC Electric's foremen safety training, Grand Junction, CO.
20. **Schwatka, NV.** & Crawmer, J. (April, 2017). "Foundations for Safety Leadership." Pinnacol Assurance Risk Management Symposium for Construction Companies, Denver, CO.
21. **Schwatka, NV.** (October, 2016). "Developing Safety Leadership Skills to Prevent On-the-Job Injuries and Fatalities." Tilt-up Concrete Association Conference and Expo, Denver, CO.
22. **Schwatka, NV.** (October, 2016). "Foundations for Safety Leadership." Poudre Valley Rural Electrical Association, Annual Employee Training Event, Fort Collins, CO.
23. **Schwatka, NV.** (June, July, and August, 2016). "Foundations for Safety Leadership." Pinnacol Safety Symposiums, Denver, CO, Grand Junction, CO and Colorado Springs, CO.
24. **Schwatka, NV.** (June, 2016). "A preview of a new, interactive training module for enhancing jobsite safety leadership." Wyoming Workforce and Safety Summit, Cheyenne, WY.
25. **Schwatka, NV.** (May, 2016). "A preview of a new, interactive training module for enhancing jobsite safety leadership." Oral presentation at the Rocky Mountain Safety Conference, Denver, CO.
26. **Schwatka, NV.** (October, 2014). "Injury prevention in the construction industry: What role do safety leaders play?" Injury and Violence Seminar Series, Pediatric Injury Prevention, Education, and Research (PIPER) Program. University of Colorado, Anschutz Medical Campus, Aurora, CO.

27. **Schwatka, NV.** (April, 2014). "Safety culture, leadership, and worker health and safety." Boeing Corp. Health and Safety team, Salt Lake City, UT.

National

1. **Schwatka, N.V.** (October, 2025). TWH leadership: Interactive workshop. 4th International Symposium to Advance Total Worker Health, Virtual.
2. **Schwatka, N.V.** (November, 2024). Leadership for workforce health, safety, and well-being. Oregon Health Sciences University – OccHealthSci Seminar Series. Invited seminar. Virtual.
3. **Schwatka, N.V.** & Levine, S. (September, 2024). Creating a Culture of Support: Enhancing Staff Resilience in Emergency Situations. University of Michigan National Center for School Safety. Invited presentation. Virtual.
4. **Schwatka, N.V.** & Tenney, L. (November, 2023). Luncheon tutorial: Partnering with organizations in OHP research and practice. 15th AP Work, Stress, & Health Conference, Virtual.
5. **Schwatka, N.V.** (December, 2022). Total Worker Health® Learning Lab Leadership Training and Buy-in. CPH-NEW Total Worker Health Learning Lab. Invited presentation.
5. **Schwatka, N.V.** (July, 2022). Mental health emergency preparedness for the public school workforce. Invited presentation, NIOSH Center's Meeting, Virtual.
6. **Schwatka, N. V.** (February, 2022). [How to create leadership support in small business](#). Invited presentation, NYNJ ERC Occupational Health and Safety Center 42nd Annual Scientific Meeting, Virtual.
7. **Schwatka, N. V.** (May, 2021). Interventions to foster leadership for safety, health, and well-being in small business. Invited presentation, NIOSH NORA Traumatic Injury Prevention Council, Virtual.
8. **Schwatka, N. V.** (November, 2020). [How Small Businesses Should Engage Employees to Achieve Total Worker Health](#). Invited presentation, Health Links Webinar Series, Virtual.
9. **Schwatka, N. V.** (October, 2020). [Construction Leadership Skills for Managing Stress During the COVID-19 Pandemic](#). Invited presentation, CPWR: Center for Construction Research and Training COVID-19 Webinar, Virtual.
10. **Schwatka, N. V.** (September, 2018). "Evaluation of the Foundations for Safety Leadership training module." Invited presentation, 11th Annual Western States Occupational Health Network (WestON) conference, Denver, CO.
11. **Schwatka, N. V.** & v.S. Brockbank, C. (August, 2018). "Health Risk Management with a Colorado Workers' Compensation Carrier." Invited presentation for a special Total Worker Health educational track, 30th Annual Workers' Compensation Institute Safety and Health Conference, Orlando, FL.
12. **Schwatka, N. V.** (April, 2016). "Ergonomics climate." Invited Webinar presentation for WORKSAFE IOWA: OSH Priority Network, University of Iowa, Iowa City, IA.
13. **Schwatka, N. V.** (September, 2015). "Construction safety leadership training project." Invited presentation, 8th Annual Western States Occupational Health Network (WestON) conference, Denver, CO.
14. Newman, L., Tenney, L., **Schwatka, N. V.** (October, 2014). "Creating healthy small businesses: Engaging and growing promising practices for health and safety." Invited Pre-conference workshop, National Institute for Occupational Safety and Health's 1st International Symposium to Advance Total Worker Health, Bethesda, MD.

International

1. **Schwatka, NV.** (March, 2012). "Safety Culture: Origins & applications." Guest lecture, University of Sassari Department of Agriculture. Sassari, Italy.

2. **Schwatka, NV.** (March, 2012). "Safety Culture: Origins & applications." Occupational Health Service, ASL di Sassari. Sassari, Italy.
3. Hoffmeister, K & **Schwatka, NV.** (June, 2012). "Ergonomics Culture at John Deere." Annual International John Deere Ergonomics Conference, Des Moines, IA.

XI. TEACHING

Dr. Schwatka has developed and directed courses in Occupational Health and Safety and currently directs the Department's Certificate Total Worker Health (TWH) Program and is the director of the NIOSH MAP ERC's TWH Certificate Training Program. She proposed and developed new course formats to meet the needs of the different education programs her department operates. She is passionate about giving students opportunities to apply knowledge out in the community through mentored field work. Outside of her Department, she regularly guest lectures in undergraduate and graduate classes at the University of Colorado Denver and Colorado State University.

Training grants

07/01/2020 – 06/30/2026	CDC/NIOSH T42 OH009229 Newman (PI) "Mountain and Plains Education and Research Center (MAP ERC)" Role: Director of the Certificate in Total Worker Health Training Program The major goal of the MAP ERC is to improve occupational and environmental health through education, research, and community partnership..	\$28,829,762
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Training program leadership

Colorado School of Public Health

2021 – Present	NIOSH MAP ERC (Training program grant) – Certificate in Total Worker Health Program Director
2021 – Present	Environmental & Occupational Health Department – Certificate in Total Worker Health Director
2018 – 2020	Environmental & Occupational Health Department – Certificate in Total Worker Health Co-director

Courses developed and taught

Colorado School of Public Health

2022 – Present	EHOH 6639 Occupational health psychology. Online 3 credit hour course for MPH students, Certificate in Total Worker Health students, and Occupational medicine residents/fellows. Role: Course developer, director, and instructor, Fall, average 13 students per year
2018 – Present	EHOH 6636 Introduction to occupational safety & ergonomics. Hybrid 3 credit course for MPH students. Role: Course developer, director and instructor Spring, average 5 students per year
2018 – Present	EHOH 6629 Introduction to occupational safety & ergonomics. Online 2 credit course for occupational medicine residents and Certificate in

	Total Worker Health students. Role: Course developer, director and instructor Spring, average 5 students per year
2017 – 2019	EHOH 6634 Spectrums of professions in health protection and health promotion. 1 credit online course. Role: Course director and Instructor Fall, average 10 students per year
2014, 2017 & 2019	EHOH 6630 Interdisciplinary symposium. 1 credit in-person and field experience. Role: Interdisciplinary course team preceptor Spring, average 6 students per year
2016	EHOH 6629 Introduction to occupational safety & ergonomics. 2 credit hybrid course. Role: Course director and instructor Spring, 12 students

Occasional lecturer

Colorado School of Public Health

2023 – Present	EHOH 7401 Climate change and worker health
2021 – Present	EHOH 6614 Introduction to Environmental and Occupational Health
2021 – Present	EHOH 6601 Public Health Concepts for Non-MPH Students
2020 – Present	EHOH 6634 Spectrums of professions in health protection and health promotion
2018	EPI Injury and Violence Epidemiology and Prevention
2016 – Present	EHOH 6628 Workplace health protection and health promotion. In-person course
2015	EHOH 6631 Occupational Medicine Residency Summer Lecture Series

University of Colorado, Denver

2017 – 2019	PBHL 2020 Introduction to Environmental Health
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Colorado State University

2021	Undergraduate Occupational Health Psychology
2021 – 2022	ERHS 658 Environmental and Occupational Epidemiology
2021	ERHS 536 Occupational Health.
2017 – Present	ERHS Spectrums of Professions in Protecting and Promoting Worker Health
2010 – 2012	ERHS 540 Ergonomics

Other Universities

2025	University of North Carolina Chapel Hill. Total Worker Health Interventions course. Small+Safe+Well intervention study.
2022	University of Arkansas. EXCS/MGMT Special topics Health in the workplace. Undergraduates. Introduction to Total Worker Health

2022	University of Maryland School of Public Health. Occupational health course. Undergraduates. Introduction to Total Worker Health
Mentor on research and practice projects	
<i>Colorado School of Public Health</i>	
2016 – 2020	Erin Shore, MPH, Professional Research Assistant, University of Colorado, Colorado School of Public Health, Center for Health, Work & Environment. Erin worked on two multi-year studies that I project managed. We published 13 papers together, and she was the first author on 2 of them. <u>Role upon leaving the Center:</u> Epidemiology PhD student at University of Carolina Chapel Hill
2017 – 2018	Janalee McKnight (formerly Thompson), MS, Professional Research Assistant, University of Colorado, Colorado School of Public Health, Center for Health, Work & Environment. Janalee worked on a multi-year study that I project managed. We published 1 paper together, and she was first author. <u>Role upon leaving the Center:</u> Safety and industrial hygiene professional II, City and County of Denver.
2017 – 2018	Eric Lucas, MPH Candidate, University of Colorado, Colorado School of Public Health. “Extending occupational injury surveillance using the Colorado trauma registry.” <u>Role upon graduation:</u> Data coordinator for the Health Facilities and Emergency Medical Services Division, Colorado Department of Public Health and Environment
2017 – 2018	Julia Newman, MS-4, University of Colorado School of Medicine. “Organizational Total Worker Health practices and employee health.” <u>Role upon graduation:</u> Medical resident, Boston University
2017 – 2018	Courtland Keteyian, MD, MBA, MPH. University of Colorado, Colorado School of Public Health, Occupational and Environmental Medicine Fellow. “Predictors of repeated workers’ compensation claims.” We published one publication together. <u>Role upon graduation:</u> Medical Director, Prevention & Community Health, Jackson Health Network, Jackson County Health Department
2021 – 2023	Matthew Schilz. University of Colorado, Colorado School of Public Health and University of Denver, School of Social Work. Matthew worked as a professional research assistant with me, resulting in one peer reviewed publication and another in preparation. <u>Role upon graduation:</u> Family stabilization specialist, International Rescue Committee.
2022 – 2024	Amanda Skidmore. MPH Candidate, University of Colorado, Colorado School of Public Health. “Total Worker Health in healthcare.” <u>Role upon graduation:</u> Working with UC Health on ergonomics training for surgeons and nurses, including participating in a yearlong Certificate Training Program in Health Quality Transformation with the Institute for Healthcare Quality, Safety & Efficiency at the CU Anschutz School of Medicine.

2023 – 2024	Miranda Dally, MS, DrPH, University of Colorado, Colorado School of Public Health. Mentor on pilot grant that Miranda received. "Heatwaves, Traumatic Injuries, and Barriers to Heat Safety Program Implementation." <u>Role upon graduation:</u> Research Assistant Professor, University of Colorado, Colorado School of Public Health
2024 – 2025	David Shapiro. MPH Candidate, University of Colorado, Colorado School of Public Health. "A research synthesis aimed at discovering what are the key factors influencing the employment outcomes and job satisfaction of individuals in recovery from substance use disorder, and how do these factors vary across different stages of recovery."

DrPH dissertation committee

Colorado School of Public Health

2022 – 2025	Committee Chair: Cedra Goldman, AIA, LEED AP, WELL AP, MPH. University of Colorado, Colorado School of Public Health, DrPH in Environmental and Occupational Health. "Built environment and human health amongst nursing homes."
2023 – 2025	Committee Member: Kyla Hagan-Hines, MPH. University of Colorado, Colorado School of Public Health, DrPH in Community and Behavioral Health. "The role of employer contracts and operational environments in contractor delivery driver safety in the U.S."

DrPH Academic Advisor

Colorado School of Public Health

2024 – Present	Patrick Ephraim, MPH. University of Colorado, Colorado School of Public Health, DrPH in Environmental and Occupational Health.
2025 – Present	Amy Schamberg. University of Colorado, Colorado School of Public Health, DrPH in Environmental and Occupational Health.

MPH Academic Advisor

Colorado School of Public Health

2018 – Present	Andy Sirois, MPH in Environment and Occupational Health
2018 – 2020	Ashley Brubaker, MPH in Environment and Occupational Health
2018 – 2023	Brett Turner, MPH in Environment and Occupational Health
2018 – 2019	Samira Fanga, MPH in Environment and Occupational Health
2019 – Present	Julie Brungardt, MPH Candidate in Environment and Occupational Health / Certificate in Total Worker Health
2020 – 2022	Jason Youngsmith, MPH in Environment and Occupational Health
2022 – 2023	Corey Buchanan, MPH in Environment and Occupational Health
2022 – 2024	John Wortman, MPH in Environment and Occupational Health/ Certificate in Total Worker Health

2023 – Present	Kristen Autret, MPH Candidate in Environment and Occupational Health / Certificate in Total Worker Health
2023 – Present	Parveneh Torkashvand, MPH Candidate in Environment and Occupational Health
2024 – Present	Carly Davis, MPH Candidate in Environment and Occupational Health

Certificate in Total Worker Health Academic Advisor

2019 – 2019	Deborah Nielson, Certificate in Total Worker Health
2019 – 2021	Obi Ngozi, Occupational & Environmental Medicine Resident / Certificate in Total Worker Health (advisor for certificate only)
2019 – 2020	Sarah Levine, MPH in Environment and Occupational Health / Certificate in Total Worker Health (advisor for certificate only)
2019 – 2021	Penny Petrowski, Certificate in Total Worker Health
2020 – 2022	Sarah Boland, DrPH Candidate in Community and Behavioral Health / Certificate in Total Worker Health (advisor for certificate only)
2020 – 2021	Libby Harris, MPH in Health Systems, Management & Policy / Certificate in Total Worker Health (advisor for certificate only)
2020 – 2021	Beth Watts, MPH in Community and Behavioral Health / Certificate in Total Worker Health (advisor for certificate only)
2021 – 2022	Elizabeth Boland, MPH in Community and Behavioral Health / Certificate in Total Worker Health (advisor for certificate only)
2019 – 2022	David Shapiro, Certificate in Total Worker Health
2021 – 2022	Elizabeth Esty, Occupational & Environmental Medicine Resident / Certificate in Total Worker Health (advisor for certificate only)
2022 – 2023	Heather Earl, Certificate in Total Worker Health
2022 – 2022	Eric Randleman, Certificate in Total Worker Health
2022 – 2024	Joe Butterfield, MPH in Environment and Occupational Health / Certificate in Total Worker Health (advisor for certificate only)
2022 – 2022	Amanda Skidmore, Certificate in Total Worker Health
2022 – 2025	Patti Corcoran, Certificate in Total Worker Health
2022 – 2024	Rachel Ain, Occupational & Environmental Medicine Resident / Certificate in Total Worker Health (advisor for certificate only)
2022 – 2024	Judith Brutus-Lestin, MPH in Environment and Occupational Health / Certificate in Total Worker Health (advisor for certificate only)
2023 – Present	Uriel Gastelum, Certificate in Total Worker Health
2023 – 2024	Jared Schenfleldt, MPH in Environment and Occupational Health / Certificate in Total Worker Health (advisor for certificate only)
2023	Nancy Anheirer, Certificate in Total Worker Health

2023 – 2024	Ruby Savage, Certificate in Total Worker Health
2023 – 2024	Karely Villareal-Hernandez, MPH in Environment and Occupational Health / Certificate in Total Worker Health (advisor for certificate only)
2023 – 2024	Amanda Rivera, MPH in Leadership in Public Health / Certificate in Total Worker Health (advisor for certificate only)
2023 – Present	Cameron Malby, MPH Candidate in Environment and Occupational Health / Certificate in Total Worker Health (advisor for certificate only)
2023 – 2025	Ana de Oliveira Pereira, Occupational & Environmental Medicine Resident / Certificate in Total Worker Health (advisor for certificate only)
2023 – 2025	Erin Bammann, Occupational & Environmental Medicine Resident / Certificate in Total Worker Health (advisor for certificate only)
2024 – 2025	Nick Williams, Certificate in Total Worker Health
2024 – 2025	Amy Schamberg, Certificate in Total Worker Health
2024	Thomas McKinney, Certificate in Total Worker Health
2024 – 2025	Lisa Gonzalez, MPH, Certificate in Total Worker Health
2024 – Present	Kelsey Townsend, MS, Certificate in Total Worker Health
2024 – Present	Stephen Mehay, MS CIH, Certificate in Total Worker Health
2025 – Present	Daniel Butler, MPH Candidate in Environment and Occupational Health / Certificate in Total Worker Health (advisor for certificate only)
2025 – Present	Tracy Rymph, Certificate in Total Worker Health

Other teaching activities

Continuing education

2025	The Total Worker Health Professional Program (TWHpro) at the Center for Health, Work & Environment – Online 6-hour course + bi-weekly facilitated sessions with employer group in Northern California. Role: Live workshop facilitator
2023	University of Colorado IMSS Total Worker Health® Training. Mexico Institute of Social Security. Trained 199 occupational safety and health professionals and doctors over a two-week period in-person. Role: Module 2 - TWH Culture & Leadership content developer and trainer
2022	Certificate in Total Worker Health Program, Total Worker Health Peer Learning Series for students, alumni, and faculty. Transitioned into a Society for Total Worker Health activity in 2023. Role: Organizer and moderator
2021 – Present	The Total Worker Health Professional Program (TWHpro) at the Center for Health, Work & Environment – Online 6-hour course Role: Training content lead developer and evaluator

2019 – Present	Total Worker Health Leadership Programs at the Center for Health, Work & Environment – live and online courses Role: Training content lead developer & course director for CU SkillSoft leadership training and domestic leadership programs delivered to public and private organizations. These trainings were also adapted for a large agro-business in Latin America.
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XII. RESEARCH RECORD

Dr. Schwatka's research focuses on Occupational Health and Safety surveillance, intervention development and evaluation, and translation of research into practice. Currently, she is the Research Core Director of the Center for Health, Work & Environment and is a co-investigator on CDC/NIOSH projects focused on intervention development and evaluation and surveillance. As a researcher, she aims to understand how to develop practical organizational-level interventions that improve the working conditions of high risk populations, such as construction workers and small businesses.

Center leadership

2021 – Present	Research Core Director Center for Health, Work & Environment Colorado School of Public Health
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Grants & Contracts

Current Research Support

12/01/2025 – 06/04/2027	CU School of Medicine, CU Thrive: Center for Workplace Well-being Research “Health care leadership development program & evaluation” Schwatka (PI) Role: Principal investigator The goal of this project is to develop a 6-month leadership program for school of medicine leaders and to evaluate it.	\$291,740
09/01/2025 – 08/31/2026	CDC/NIOSH U19 OH011227 “Designing safer schools” Schwatka (PI) Role: Principal investigator The goal of this pilot project is to understand the educational sector's violence prevention needs and assess whether our proposed intervention meets this need.	\$15,000
09/01/2024 – 08/31/2029	CDC/NIOSH/U54OH012761 “National Center for Construction Safety and Health Research and Translation” Trahan-Cain (PI) Role: Principal investigator of an R01-level grant within the Center - “Collaborative Leadership for Safety and Health in Construction” (\$993,087) The goal of this grant is to develop and evaluate a toolkit to help construction businesses develop and implement health, safety, and well-being policies and procedures using collaborative leadership between management and workers.	\$28,750,000

We aim to disseminate the toolkit via partnership with OSHA as well as other industry stakeholders.

09/01/2024 – 08/31/2026	AHRQ Schwatka (PI) “Organizational strategies to support community health center well-being” Role: PI	\$99,405
09/01/24 – 08/31/26	NIOSH Burden (PI) “The Financial Impact of Burnout and Mental Health on Hospitalist Turnover and the Contribution of Work Structures and Environment” Role: Co-I	\$427,233
09/01/16 – 08/31/26	CDC/NIOSH U19 OH011227 Newman (PI) “Center for Health, Work & Environment” Role in First 5 years: Co-I on a R01-level “Small+Safe+Well” intervention study Role in Second 5 years: Research Core Director, Pilot Project Program Director, & R21-level Research Project Co-PI on mental health integrated emergency preparedness for the public school workforce The goal of the Center is to advance the overall safety, health and well-being of workers in Federal Health Region VIII and the nation, through transdisciplinary research, effective interventions, outreach and communications, education/training, and rigorous evaluation that inform improvements in all of the above.	\$11,864,125

Pending research support

07/01/2025 - 06/30/2030	NIH/NICHD Schwatka, Puma, Farwell (Multiple-PIs) "Pathways Associated with Total Health of the ECE Workforce: Longitudinal Exploration of Job Demands, Resources, and Health Disparities in Head Start Settings (PATH) Study" Role: Co-PI	\$3,344,513
	<p>The early care and education (ECE) workforce provides care for nearly 1 million children living in poverty in the United States annually. Unfortunately, this workforce suffers from disproportionately high rates of physical and mental health chronic conditions, thereby detrimentally impacting their ability to provide high quality education to the young children in their care. Extensive job-related demands, coupled with resource deficits, may contribute to these health disparities and high turnover rates in the ECE workforce. As such, the overarching goal of the study is to use a community-engaged approach to conduct a prospective longitudinal study by recruiting 800 Head Start ECE staff in Colorado, Maryland, and North Carolina to investigate pathways between job-related, demands, multi-level resources and health disparities over time.</p>	
7/1/2023- 6/30/2026*	CDC/NIOSH/R01 Burden (PI) "GrittyWork: A Hospitalist Worker Safety Management Platform to Detect Clinician Harm and Optimize Worker Outcomes" Role: Co-I	\$1,192,809

*This grant will be reviewed Summer 2024 due to delays in NIOSH budgets

The goal of this grant is to develop and test a surveillance system to detect and report on health care worker burnout.

This grant was discussed received a moderate score and is awaiting final decision – expected Fall 2024.

Completed Research & Educational Program Support

During graduate school

08/15/09 – 08/15/13	Fellowship T42 OH009229 CDC/NIOSH Mountain & Plains Education and Research Center Role: Fellowship grant trainee in the Ergonomics & human factors program	
10/01/10 – 06/30/12	CDC/NIOSH T42 OH009229 Hoffmeister (PI) Mountain and Plains Educational Research Center "Ergonomic climate in organizations: Development of an assessment tool" Role: Co-Investigator	\$20,000

The goal of this project was to develop and evaluate a new measure of organizational climate, ergonomics climate, which is similar to the construct of safety climate.

10/01/10 – 06/30/11	CDC/NIOSH T42OH009229 Schwatka (PI) Mountain and Plains Educational Research Center “Impact of an aging workforce on workers’ compensation (WC) claims” Role: Principal Investigator The goal of this project was to utilize over 100,000 workers’ compensation claims to investigate the impact of the construction industry’s aging workforce on injury and illness and their associated costs.	\$10,000
12/01/10 - 11/30/11	CDC/NIOSH/CPWR OH009762 Rosecrance (PI) “The role of aging on the type, nature and cost of construction injuries” Role: Co-Investigator – Project Director The goal of this project was to utilize over 100,000 workers’ compensation claims to investigate the impact of the construction industry’s aging workforce on injury and illness and their associated costs.	\$30,000
10/01/11 – 06/30/12	CDC/NIOSH T42 OH009229 Schwatka (PI) Mountain and Plains Educational Research Center “Impact of an aging workforce on workers’ compensation (WC) claims” Role: Principal Investigator The goal of this project was to utilize over 100,000 workers’ compensation claims to investigate the impact of the construction industry’s aging workforce on injury and illness and their associated costs.	\$5,000

Since joining University of Colorado Anschutz Medical Campus

03/01/11- 01/01/17	Pinnacol Assurance, Contract Newman (PI) “Health Risk Management Project” Role: Co-Investigator The major goal of this project is to conduct a cohort-referent study to determine if health promotion interventions in small businesses improve worker health and a reduction in workers’ compensation injury claims and costs. Sub-goals of this project include investigating the interaction between health, safety and productivity at work via predictive modeling.	\$965,268
09/01/14- 08/31/19	CDC/NIOSH/CPWR U60 OH009762 Goldenhar & Johnson (PIs) “Enhancing safety climate through leadership” Role: Consortium Co-Investigator The goal of this project is to develop and evaluate a safety leadership training program for construction site-supervisors, and to disseminate this training via the OSHA 30 course	\$750,000

throughout the United States. This was an R01-level grant part of a Center grant to NIOSH.

01/01/15 – 06/30/17	Pinnacol Assurance, Contract Schwatka (PI) “Health risk and workers’ compensation calculator” Role: Principal investigator The goal of this project is to develop and evaluate an interactive, online calculator for businesses to learn how employee health risk impacts the workers’ compensation usage. See Products of Scholarship Section for link to website.	\$275,000
01/01/17- 12/31/17	Pinnacol Assurance, Contract Newman (PI) “Total Worker Health Collaborative Research” Role: Co-Investigator The major goal of our collaborative research scope of work with Pinnacol Assurance is to develop predictive models of workers’ compensation claims and productivity at work, evaluate health and safety programs offered to policyholders and provide insight analyses for a variety of business groups within Pinnacol Assurance.	
05/01/18- 04/30/19	Pinnacol Assurance Foundation Tenney & Schwatka (Co-PIs) “Total Worker Health® Leadership Training” Role: Co-PI The goal of this project is to develop and pilot TWH leadership training that can be delivered across multiple industries.	\$20,000
05/01/19- 04/30/20	Pinnacol Assurance Foundation Tenney & Schwatka (Co-PIs) “Total Worker Health® Leadership Training” Role: Co-PI The goal of this project is to develop and pilot TWH leadership training for specific industries.	\$25,000
07/07/2019 – 06/30/2023	CDC/NIOSH/K01 Schwatka (PI) “Longitudinal study of Total Worker Health among small enterprises” Role: Principal investigator The goal of this career development award is to simultaneously provide additional training in Total Worker Health, business, and longitudinal data analysis as well as contribute to an understanding of how small business organizational support for Total Worker Health programming impacts worker health, safety, and wellbeing outcomes.	\$320,710
2023	Instituto Mexicano de Seguro Social’s (IMSS) Newman (PI) “Certificate in Total Worker Health” Role: Course development and delivery	\$100,000

	The goal of this work was to educate 199 Mexican safety professionals and occupational medicine doctors on the TWH approach.	
06/01/23 – 05/31/25	American Medical Association Burden (PI) “EPIC-WELL: Electronic Performance Indicators for Clinical Workload and Physician Well-being in Inpatient Settings” Role: Co-I, in-kind effort The main objective of this study is to investigate whether inpatient EHR-based audit log data can serve as a useful tool in identifying when work design and workloads are leading to physician burnout and patient harm. Addressing this major gap in the literature is crucial, as it will pave the way for a wealth of possibilities in future research on workloads and work design in the inpatient setting. Our future goal is to develop an actionable, near real-time dashboard that utilizes EHR audit log data and outcomes that empowers practice leaders to proactively address patient volume fluctuations and physician job stress.	\$59,701
02/01/23 – 09/31/24	OSHA ERG Consulting (PI) “Fostering Workplace Safety Culture Change in response to the COVID-19 Pandemic” Role: Sub-contract PI The goal of this project is to develop and release a workplace culture change program to promote safety as a core value improving organizational resilience. This new program will complement and enhance OSHA’s existing Recommended Practices for Safety and Health Programs.	\$69,924.22
09/01/23 – 08/31/24	CPWR: The Center for Construction Research and Training in-kind effort Dally (PI) “Heatwaves, Traumatic Injuries, and Barriers to Heat Safety Program Implementation” Role: Mentor The goal of this research is to understand whether heatwaves are associated with construction worker injury in Colorado and to determine barriers to employer heat safety program implementation.	
03/15/22 – 03/14/26* *Cut short due to federal funding changes in spring 2025	CDC/NIOSH Ramirez-Cardenas (PI at NIOSH) “Assessing Fatigue and Fatigue Management in U.S. Onshore Oil and Gas Extraction” Role: Temporary assignment under the Intergovernmental Personnel Act (IPA) of 1970 The goals of this project are to: better understand the extent to which fatigue and its antecedents are affecting U.S. onshore oil and gas extraction (OGE) workers, especially those employed by small	\$65,300

contractor companies; identify worker and work design factors to consider when developing and implementing fatigue management strategies among contractors in the OGE industry; and determine the state of Fatigue Risk Management Systems (FRMS) and other fatigue mitigation strategies in place for participating companies and if these strategies are associated with better safety outcomes

XIII. BIBLIOGRAPHY

1. Number of original articles in peer-reviewed journals: 47
First author: 23
2. Number of books: 0
3. Number of other publications (scholarly reviews, symposium papers, editorials, book chapters and proceedings): 3
4. Number of published or presented scientific abstracts: 62
Refereed abstracts: 60
5. Letters-to-the-editor, technical reports, other publications: 8
6. Products of scholarship: 8

Original Peer Reviewed Publications

*indicates publication with fellow trainee

*indicates publication with students

**indicates publication with mentee

1. **Schwatka, NV**, Butler, LM, & Rosecrance, J. C. (2012). An aging workforce and injury in the construction industry. *Epidemiologic Reviews*, 34(1): 156-157. [PMC7735369](#)
2. **Schwatka, NV**, Butler, LM, & Rosecrance, J. C. (2013). Age in relation to worker compensation costs in the construction industry. *American Journal of Industrial Medicine*, 56(3), 356-366. [PMCID: PMC4476058](#)
3. Paulsen, R⁺, **Schwatka, NV**, Gober, G⁺, Gilkey, D, Anton, D, & Rosecrance, J. (2014). Cyclic and non-cyclic task evaluation using the Hand Activity Level in a manufacturing setting. *International Journal of Industrial Ergonomics*, 44(1), 32-38. [PMCID: PMC4480210](#)
4. Hoffmeister, K⁺, Gibbons, A, **Schwatka, NV**, Rosecrance, J. (2015). Ergonomics climate assessment: A measure of operational performance and employee well-being. *Applied Ergonomics*, 50, 160-169.
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6. **Schwatka, NV**, Rosecrance, J. (2016). Safety climate and safety behaviors in the construction industry: The importance of co-workers commitment to safety. *Work: A Journal of Prevention, Assessment & Rehabilitation*, 54(2), 401-413. [PMC7778733](#)
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and Well-being at Work, United States, 2022-2023. AJPH. 114(S2): 162-166. PMCID: [PMC10916734](#).

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Book chapters

1. **Schwatka, NV**, Tenney, L, Newman, LS (2019). Health protection and health promotion in small business. In Burke, R. & Richardsen, A. (Eds.), *Increasing Occupational Health and Safety in Workplaces: Individual, Work, and Organizational Factors*. Edward Elgar Publishing: Cheltenham, UK.
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NIOSH Science Blogs

1. **Schwatka, NV**, Tenney, L, Dally, M, Brown, C, Newman, L. (February 18, 2022). 10 Lessons learned from a multi-year Total Worker Health study of small business. CDC/NIOSH Science Blog. <https://blogs.cdc.gov/niosh-science-blog/2022/02/18/small-biz-twh/>
2. Hoffmeister, K, Gibbons, A, **Schwatka, NV**, Rosecrance, J. (August 7, 2015). Ergonomics climate assessment. CDC/NIOSH Science Blog. <https://blogs.cdc.gov/niosh-science-blog/2015/08/07/ergo-climate/>

Technical Reports

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2. **Schwatka, NV**, Shore, E, Weitzenkamp, D, Atherly, A, Tenney, L, Newman, L. (2016) "Predictors of workers' compensation claims: 2nd generation predictive modeling." Report prepared for Pinnacol Assurance.
3. **Schwatka, NV**, Shore, E, Weitzenkamp, D, Atherly, A, Tenney, L, Newman, L. (2016) "Predictors of workers' compensation claims: Review of the literature published from 2010-2016." Report prepared for Pinnacol Assurance.
4. **Schwatka, NV**, Shore, E, Weitzenkamp, D, Atherly, A, Tenney, L, Newman, L. (2016) "Pre-diabetes analysis: Diabetes risk score development, validation, and predictive capability assessment". Report prepared for Pinnacol Assurance.
5. **Schwatka, NV**, Shore, E, Weitzenkamp, D, Atherly, A, Tenney, L, Newman, L. (2016) "Trotter Wellness and Virgin Pulse health risk assessments: A preliminary data integration analysis". Report prepared for Pinnacol Assurance.
6. Rosecrance, J, Butler, L, **Schwatka, NV**. (2013). The Role of Age on the Cause, Type, Nature and Cost of Construction injuries. CPWR: The Center for Construction Research and Training Reports. https://www.cpwr.com/wp-content/uploads/publications/publications_RosecranceRoleOfAge_3.pdf

Products of Scholarship

1. Gruden, M, Hagar, B, Pionk, C. (2019). Getting started: Occupational health in the healthcare setting. 16th edition. Association of Occupational Health Professionals in Healthcare (AOHP). Warrendale, PA. *Role: Wrote the section on Worker health and well-being (aka Total Worker Health).*
2. American Industrial Hygiene Association. "How to Improve the Safety Climate on Your Construction Site". May 2017. *Role: Advisor focused on supervisor-specific recommendations. Link to guidance document: <https://www.aiha.org/government-affairs/Pages/Position-Statements-and-Resources.aspx>*
3. Foundations for Safety Leadership. Occupational Health and Safety Administration (OSHA) 30-hour safety course. Approved 2.5-hour elective as of January 1, 2017.
 - a. *Curriculum material: <https://www.cpwr.com/foundations-safety-leadership-fsl>*
 - b. *OSHA 30-hour program requirements (see page 6): https://www.osha.gov/dte/outreach/construction/construction_procedures.pdf*
4. Health risk and workers' compensation calculator. Center for Health, Work & Environment. Colorado School of Public Health. 2017.
 - a. <http://www.ucdenver.edu/academics/colleges/PublicHealth/research/centers/CHWE/Community/Pages/Health-Risk-Calculator.aspx>
5. Total Worker Health Leadership Programs. Center for Health, Work & Environment. Colorado School of Public Health, on-going.
 - a. <https://coloradosph.cuanschutz.edu/research-and-practice/centers-programs/chwe/training/total-worker-health-leadership-programs>
6. Total Worker Health Professional Program. Center for Health, Work & Environment. Colorado School of Public Health, 2023.
 - a. <https://coloradosph.cuanschutz.edu/research-and-practice/centers-programs/chwe/training/professional-certificate-twh>
7. Total Worker Health. American Society of Safety Professionals. Guidance website for all members to apply the TWH approach with their companies.
 - a. <https://www.assp.org/resources/total-worker-health>
8. Mental Health Integrated Emergency Preparedness for the School Workforce. Training curriculum for public schools, 2023.
 - a. <https://coloradosph.cuanschutz.edu/research-and-practice/centers-programs/chwe/research/mental-health-emergency-preparedness-for-the-school-workforce>
9. "Safety is a core value" products created for the Occupational Health and Safety Administration, Office of Standards and Guidance, 2024.
 - a. Safety culture training: Training materials - PPT slide deck, instructor guide, and participant materials - created for OSHA's Training Institute. Under review at OSHA and not yet available.
 - b. Safety culture business case study: In depth written business-school style case of a manufacturing business's safety culture evolution over multiple decades, including an instructor guide and participate worksheet. Under review at OSHA and not yet available.
 - c. Safety is a core value brief: Written brief for business key decision makers to understand the importance of investing in workforce safety and health. Under review at OSHA and not yet available.
 - d. Safety leadership survey: Short survey with scoring scheme for business leaders to assess their leadership skills. Under review at OSHA and not yet available.

Competitive Conference Abstracts

Oral presentation

1. **Schwatka, NV** (October, 2025). Mental health integrated emergency preparedness for the school workforce. 4th International Symposium to Advance Total Worker Health, Virtual.
2. Nobrega, S, Banks, C, Leff, M, Fisher, L, **Schwatka, NV**, Costa-Black, K, Davis, M, Rohlman, D. (October, 2025). Building capacity for a Total Worker Health workforce. 4th International Symposium to Advance Total Worker Health, Virtual.
3. **Schwatka, NV** (September, 2024). Engaging Public School Staff in Emergency Preparedness: Influences of Work Conditions and Mental Health Implications. Quick take presentation, 15th Annual Western States Occupational Health Network, Aurora, CO.
4. **Schwatka, NV** (April, 2024). Engaging hospitalists in shared leadership for health, safety, and well-being. Panel presentation at the 39th Annual Society for Industrial Organizational Conference, Chicago, IL.
5. **Schwatka, NV** (November, 2023). Characterizing physician and advance practice providers' working conditions and their relationship to burnout and turnover intentions. 15th APA Work, Stress, & Health Conference, Virtual.
6. Welton-Mitchell, C. & **Schwatka, NV** (November, 2023). Mental Health Emergency Preparedness for the Public School Workforce. Oral presentation, 15th APA Work, Stress, & Health Conference, Virtual.
7. Welton-Mitchell, C. & **Schwatka, NV** (July, 2023). Mental Health Emergency Preparedness for the Public School Workforce. 48th Annual Natural Hazards Research and Applications Workshop. Broomfield, CO.
8. **Schwatka, NV**, Tenney, L., Dally, M, Shore, E, Brown, C, Dexter, L, Newman, L (October, 2022). Lessons learned from a multi-year Total Worker Health study of small business. Oral presentation, 3rd International Symposium to Advance Total Worker Health. Bethesda, MD.
9. **Schwatka, NV**, Cavallari, J, Farewell, C, Linnan, L, Puma, J, Welton-Mitchell, C. (October, 2022). Using the Total Worker Health approach to advance teacher and care giver well-being. Full session organizer, 3rd International Symposium to Advance Total Worker Health. Bethesda, MD. Oral presentation, 3rd International Symposium to Advance Total Worker Health. Bethesda, MD.
10. **Schwatka, NV**, Jaramillo, D, Krisher, L, Dally, M, Dexter, L, Butler-Dawson, J, Clancy, B, Fisher, G, Newman, L. (October, 2022). Latin American agricultural workers' job demands and resources and the association with health behaviors at work and overall health.
11. **Schwatka, NV**, Jaramillo, D, Shapiro, D. (September, 2021). "Total Worker Health® leadership for the safety and health professional." Oral presentation, 2021 AIHA-Rocky Mountain Section Fall Technical Conference, Arvada, CO.
12. **Schwatka, NV**, Tenney, L, Krisher, L (September, 2021). "Total Worker Health® leadership for the safety professional." Oral presentation, ASSP Safety21 Conference and Expo, Virtual.
13. Newman, LS, **Schwatka, NV**, Tenney, L (May, 2021). "The Emerging Total Worker Health® Professional: Competencies, Training, and Community." Oral presentation, American Occupational Health Conference, Virtual.
14. **Schwatka, N. V.**, Fan, W, Dally, M, Scott, J, Shore, E, Brown, C, Tenney, L, Newman, L. (November, 2019). "Total Worker Health® strategies, climate, and employee motivation." Oral presentation, Work, Stress, & Health conference, Philadelphia, PA.

15. **Schwatka, N. V.**, Scott, J, Tenney, L, Newman, L. (November, 2019). "Evaluation of a small business Total Worker Health® leadership program." Oral presentation, Work, Stress, & Health conference, Philadelphia, PA.
16. **Schwatka, N. V.** (September, 2019). "Using a Design Sprint to Develop an Intervention for a Latino Day Laborer Organization." Oral presentation, 12th Annual Western States Occupational Health Network (WestON) conference, Denver, CO.
17. **Schwatka, NV** (May, 2019). Total Worker Health practice, research and education: Examples from Colorado. Oral presentation as part of a session titled "The practical role of the industrial hygienist in Total Worker Health – Tools and methods for integrating Total Worker Health exposure into IH core competency and practice areas." American Industrial Hygiene Conference and Exposition, Minneapolis, MN.
18. **Schwatka, NV**, Goldenhar, L, Johnson, S., Beldon, M., Rosecrance, J., Tessler, J., Dennerlein, J., Fullen, M., Weinstein, D., Treau, H. (October, 2018). Foundations for Safety Leadership (FSL): Evaluation of a safety leadership program to enhance jobsite safety climate in the construction industry. Oral presentation as part of a special session titled "Connecting Safety Culture to Safety and Health Management on Construction Jobsites", NIOSH National Occupational Injury Research Symposium (NOIRS), Morgantown, WV.
19. **Schwatka, NV**, Tenney, L, Dally, M, Brown, C, Weitzenkamp, D, Shore, E, Newman, L. (May, 2018). A description of small business employee perceptions of health and safety climates. Oral presentation, 2nd International Symposium to Advance Total Worker Health, Bethesda, MD.
20. Tenney, L, Newman, L, **Schwatka, NV**, Scott, J, Rivera, K. (May, 2018). Engaging small and mid-size enterprises to apply Total Worker Health approaches through a community-based program. Presymposium workshop, 2nd International Symposium to Advance Total Worker Health, Bethesda, MD.
21. **Schwatka, NV**, Newman, L, vS Brockbank, C, Tenney, L, Dally, M, Jinnett, K, Atherly, A, Goetzel, R, McMillen, J, Weitzenkamp, D, Smith, D, Shore, E. (April, 2018). Value on investment for small business safety, health and wellbeing. Oral presentation, 32nd International Congress on Occupational Health, Dublin, Ireland.
22. **Schwatka, NV.** (April, 2018). Leveraging leadership to protect and promote employee health. Ignite oral presentation at the 10th Annual NIOSH MAP ERC Research Day Symposium, Broomfield, CO.
23. **Schwatka, NV**, Goldenhar, L, Johnson, S. (November, 2017). Training increases knowledge, understanding, intended use of safety leadership skills. Roundtable presentation, 145th American Public Health Association Annual Meeting, Atlanta, GA.
24. **Schwatka, NV**, Jinnett, K, Curran, K, Newman, L. (October, 2017). A case study of a public/private partnership to bring worksite wellness to small business. Symposium session, 4th International Understanding Small Enterprises Conference, Denver, CO.
25. **Schwatka, NV.** (October, 2017). Health risk and workers' compensation calculator: An online resource for businesses. Oral presentation, 4th International Understanding Small Enterprises Conference, Denver, CO.
26. **Schwatka, NV.** (September, 2017). Small+Safe+Well: Building cultures of health and safety amongst small businesses in Colorado. Oral presentation, American Industrial Hygiene Association-Rocky Mountain Section/American Society of Safety Engineers Fall Technical Conference, Arvada, CO.
27. **Schwatka, NV**, Goldenhar, L, Johnson, S, Dennerlein, J, Beldon, M, Tessler, J. (June, 2017). Effectiveness of training program to enhance construction foreman

safety leadership skills. Oral presentation, Work, Stress & Health Conference, American Psychological Association, Minneapolis, MN.

28. Henning, R, Nielsen, K, von Thiele Schwarz, U, Cavallari, J, Williams, J, **Schwatka, NV**, Welter, C. (June, 2017). Metrics of integration for Total Worker Health initiatives. Discussant during a symposium session at the American Psychological Association's Work, Stress & Health Conference, Minneapolis, MN.

29. **Schwatka, NV**, Newman, LS, Shore, E, Curran, K. (April, 2017). Partnering with Workers' Compensation Insurers to Reach Small Enterprises in Need of Health Promotion and Health Protection. Symposium session, American Occupational Health Conference, American College of Occupational and Environmental Medicine, Denver, CO.

30. Schulte, PA, Pandalai, SP, Kowalski-McGraw, M, Nessim, D, Wood, EM, Chosewood, LC, **Schwatka, NV**. (April, 2017). Occupational and Personal Risk Factors in Illness and Injury – the NIOSH Compendium Project. Symposium session at the American College of Occupational and Environmental Medicine's American Occupational Health Conference, Denver, CO.

31. Shore, E, **Schwatka, NV**, Atherly, A, Weitzenkamp, D, Tenney, L, Newman, L. (March, 2017). Predictors of workers' compensation claims. Oral presentation, Annual National Institute for Occupational Safety and Health Mountain and Plains Education and Research Center Research Day, Westminster, CO.

32. Larsen, D, **Schwatka, NV**, v.S. Brockbank, C, Curran, K, Jinnett, K. (March, 2017). Worksite wellness: A vehicle to gain insight into cost drivers and increase productivity and wellness. Invited interactive panel presentation at the Integrated Benefits Institute Annual Forum, San Francisco, CA.

33. Newman, L, **Schwatka, NV**, Shore, E, Tenney, L, Curran, K. (March, 2017). Partnering with Workers' Compensation Insurers to Reach Small Enterprises In Need of Health Promotion and Health Protection. Symposium session at the American College of Occupational and Environmental Medicine's American Occupational Health Conference, Denver, CO.

34. **Schwatka, NV**, Goldenhar, L, Johnson, S. (October, 2016). A preview of a new, interactive training module for enhancing jobsite safety leadership. Oral presentation, 144th American Public Health Association Annual Meeting, Denver, CO.

35. **Schwatka, NV**, Stange, A, Golden, A, Cragle, D, McInerney, J, Whitter, R., Tenney, L, Maret, R, Newman, L. (October, 2016). Initial screening findings from the National Supplemental Screening Program for former Department of Energy Workers. Roundtable presentation, 144th American Public Health Association Annual Meeting, Denver, CO.

36. Goldenhar, L, Johnson, S, **Schwatka, NV**. (March, 2016). A preview of a new, interactive training module for enhancing jobsite safety leadership. Oral presentation, Construction Safety Conference, Oakbrook Terrace, IL.

37. **Schwatka, NV**, Atherly, A, Fang, H, Goetzel, RZ, Jinnett, K, v.S. Brockbank, C, Newman, L, The Pinnacol Health Risk Management Study Research Group. (October, 2015). Relationship between employee health risk factors and workers' compensation: evidence from a cohort of small and medium sized enterprises. Oral presentation, 143rd American Public Health Association Annual Meeting, Chicago, IL.

38. **Schwatka, NV**, Goldenhar, L, Johnson, S. (March, 2014). Enhancing safety culture through leadership. Oral presentation, Construction Safety Conference, Oakbrook Terrace, IL.

39. **Schwatka, NV** & Rosecrance, JC. (April, 2013). Leaders create culture: A safety culture training program for leaders in the construction industry. Oral presentation, 11th Annual National Occupational Research Agenda Young Investigators Conference, Salt Lake City, UT.
40. **Schwatka, NV** & Rosecrance, JC. (April, 2013). Leaders create culture: A safety culture training program for leaders in the construction industry. Oral presentation, 5th Annual Mountain and Plains ERC Research Symposium, Denver, CO.
41. **Schwatka, NV** & Hoffmeister, K. (July, 2012). Using organizational climate as an assessment tool. Oral presentation, 1st Annual Occupational Health Psychology Summer Institute, Portland State University, Portland, OR.
42. **Schwatka, NV**, Butler, LM, Rosecrance, JC. (March, 2012). Impact of an aging workforce on construction industry workers' compensation claims. Oral presentation, 4th Annual Mountain and Plains ERC Research Symposium, Loveland, CO.
43. **Schwatka, NV**, Butler, LM, Rosecrance, JC. (November, 2011). Role of aging on the cost of construction injuries. Roundtable session, 139th American Public Health Association Annual Meeting, Washington, D.C.
44. **Schwatka, NV**, Butler, LM, Rosecrance, J. (April, 2011). The role of aging on the cause, type and cost of construction injuries. Oral presentation, 9th Annual National Occupational Research Agenda Young Investigators Conference, Salt Lake City, UT.
45. **Schwatka, NV**, Hoffmeister, K, Ermann, ED, Rosecrance, J, Gilkey, D. (September, 2010). A macro-ergonomic approach to improving agricultural safety. Oral presentation, 54th Annual meeting of the Human Factors and Ergonomics Society, San Francisco, CA.
46. **Schwatka, NV**, Hoffmeister, K, Rosecrance, J. (April, 2010). A macro-ergonomic method to injury prevention. Oral Presentation, 8th Annual National Occupational Research Agenda Young Investigators Conference, Salt Lake City, UT.
47. **Schwatka, NV**, Hoffmeister, K, Gardner, P. (April, 2010). Safety climate: Strategies for measurement. Oral Presentation, 2nd annual ERC Interdisciplinary Forum on Measurement Systems for Occupational Health and Safety Research, Fort Collins, CO.
48. Hoffmeister, K, **Schwatka, NV**, Ermann, E, Rosecrance, J, Gilkey, D. (April, 2010). A macro-ergonomic approach to improving agricultural safety. Oral Presentation, 8th Annual National Occupational Research Agenda Young Investigators Conference, Salt Lake City, UT.
49. Ermann, ED, Hoffmeister, K, **Schwatka, NV**, Rosecrance, J, Gilkey, D. (April, 2010). Safety climate in agriculture: Evidence from Colorado corn farms. Symposium session, 25th annual conference of the Society for Industrial and Organizational Psychology, Atlanta, GA.

Poster presentation

1. **Schwatka, NV**, Keniston, A, Burden, M, Astik, G, Linker, A, Sakumoto, M. (November, 2023). Shared Leadership for Safety & Health at Work. Poster presentation, 15th APA Work, Stress, & Health Conference, Virtual.
2. **Schwatka, NV**, Keniston, A, Burden, M, Astik, G, Linker, A, Sakumoto, M. (May, 2023). Shared Leadership for Safety & Health at Work. Poster presentation, Society for General Internal Medicine Annual Conference, Aurora, CO.
3. Radhakrishnan, N, Kulkarni, S, **Schwatka, N**, Linker, A, Burden, M, Keniston, A, Mathews, B, Sakumoto, M, Astik, G, Bwolng, G, Kangelaris, K, Auerback, A, Kara, A. (March, 2023). Parental leave in hospital medicine: We can do better. Poster presentation, Society for Hospital Medicine Converge, Austin, TX.

4. **Schwatka, NV**, Dally, M, Dexter, L, Tenney, L, Brown, C, Newman, L. (February, 2022). "Small+Safe+Well: A small business Total Worker Health intervention." Poster presentation, 33rd International Congress on Occupational Health, Virtual.
5. **Schwatka, NV**, Dally, M, Dexter, L, Tenney, L, Brown, C, Newman, L. (November, 2021). "Profiles of Total Worker Health in Small Business." Poster presentation, Work, Stress, & Health Conference, Virtual.
6. **Schwatka, NV**, Newman, LS, Tenney, L (September, 2021). "Small Business Total Worker Health® Leadership Training." Poster presentation, XXII World Congress on Safety and Health at Work 2021, Virtual.
7. Brown, CB, **Schwatka, NV**, Dally, M, Dexter, L, Tenney, L, Shore, E, Newman, LS. (December 2020). Applying the RE-AIM framework to a Total Worker Health intervention. Poster presentation at the 13th Annual Conference on the Science of Dissemination and Implementation in Health, Virtual due to COVID-19.
8. Tenney, L, Newman, L, **Schwatka, NV**, Scott, J. (November, 2018). Total Worker Health: An approach to promoting worker health, safety, and well-being. Poster presentation at the Collegium Ramazzini's Annual Ramazzini Days, Carpi, Italy.
9. **Schwatka, NV**, Shore, E, Atherly, A, Weitzenkamp, D, Tenney, L, v.S. Brockbank, C, Newman, L. (June, 2017). Socio-emotional predictors of workers' compensation claims. Poster presentation, Work, Stress & Health Conference, American Psychological Association, Minneapolis, MN.
10. **Schwatka, NV**, Rosecrance, JC, Grosch, J. (November, 2013). Leaders create culture: A safety culture training program for leaders in the construction industry. Poster presentation, 141st Annual American Public Health Association Annual Meeting, Boston, MA.
11. Hoffmeister, K, **Schwatka, NV**, Gibbons, AM, Rosecrance, JC. (May, 2013). Ergonomics climate: Balancing safety and productivity in organizations. Poster presentation, 10th International conference on occupational stress and health, Los Angeles, CA.
12. Hoffmeister, K, Cigularov, K, Johnson, S, Gibbons, A, Chen, P, **Schwatka, NV**. (April, 2011). Leadership behaviors critical to improving safety in construction: A qualitative study. Poster presentation, Work, Stress and Health 2011: Work and well-being in an economic context, Orlando, FL.
13. **Schwatka, NV**, Rosecrance, J, Butler, L. (November, 2010). Impact of aging workforce on workers' compensation claims. Poster presentation, 3rd annual Mountain and Plains ERC research symposium, Loveland, CO.
14. Hoffmeister, K, **Schwatka, NV**, Rosecrance, J. (August, 2010). Macro-ergonomic approach to injury prevention. Poster presentation, 7th International Conference on Prevention of Work-Related Musculoskeletal Disorders, Angers, France.
15. Hoffmeister, K, Ermann, E, **Schwatka, NV**. (November, 2009). Assessment of safety climate on Colorado farms. Poster presentation, 2nd annual Mountain and Plains research symposium, Fort Collins, CO.

Select trade publications based on research

1. Kuehn, BM. (2023). Physicians are more burned out than ever-Here's what can be done about it. *JAMA Medical News*. 329(10): 758-787.
<https://jamanetwork.com/journals/jama/article-abstract/2802013>
2. Will, M. (2023). How a New Training Eases Teachers' Anxiety About Emergency Drills. *EducationWeek*: <https://www.edweek.org/leadership/how-a-new-training-eases-teachers-anxiety-about-emergency-drills/2023/08>

3. **Schwatka, NV.** (2018). National Institute for Occupational Safety & Health (NIOSH). Expanding Research Partnerships: State of the Science - Research Highlights: Worker health and productivity video:
<https://www.cdc.gov/niosh/oep/stateofthesciencehighlights/default.html>
4. Safety+Health Magazine. The official magazine of the National Safety Council. (2018). Health conditions raise women's risk of work-related injuries:
<http://www.safetyandhealthmagazine.com/articles/16742-health-conditions-raise-womens-risk-of-work-related-injuries-study-finds>
5. Anthony Ireland of RiskandInsurance.com (2016). Stress linked to workers' comp claims: <http://www.riskandinsurance.com/stress-linked-workers-comp-claims/>
6. Erin Richey, with Johanna Knapschafer of ENR.com (April 1, 2013). "Senior moments: Are older workers at greater risk of injury?" http://enr.construction.com/business_management/safety_health/2013/0401-senior-moment-safety-and-the-graying-of-the-construction-workerforce.asp
16. Sandy Smith of EHS Today.com (April 6, 2012). "Older construction workers have more costly workers' comp claims." <http://www.ehstoday.com/construction/older-construction-workers-have-more-costly-workers-comp-claims?imw=Y>