

CURRICULUM VITAE

DAVID I. DOUPHRATE, PhD, MPT, MBA, CPE, CSP

Associate Professor
Texas A&M University
School of Public Health
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NIH Bibliography: <https://www.ncbi.nlm.nih.gov/myncbi/1RA2M5GGW-IAa/bibliography/public/>

PROFESSIONAL EXPERIENCE

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| 2022 - present | Associate Professor with Tenure , Department of Environmental and Occupational Health, School of Public Health, Texas A&M University |
| 2022 - present | Adjunct Faculty , Department of Physical Therapy, School of Health Professions, The University of Texas Health Science Center at San Antonio, School of Health Professions. |
| 2017 - 2022 | Associate Professor (with tenure), Department of Epidemiology, Human Genetics and Environmental Sciences, The University of Texas Health Science Center at Houston, School of Public Health. |
| 2020 - 2022 | Director , Center for Occupational Health and Exposome Studies, The University of Texas Health Science Center at Houston, School of Public Health. |
| 2010 - 2017 | Assistant Professor (tenure track), Department of Epidemiology, Human Genetics and Environmental Sciences, The University of Texas Health Science Center at Houston, School of Public Health. |
| 2013 - present | Adjunct Faculty , Department of Extension, Animal Sciences, and Natural Resources, College of Agricultural, Consumer, and Environmental Sciences. New Mexico State University, Clovis, NM |
| 2011 - present | Adjunct Faculty , Occupational Health Sciences, The University of Texas Health Science Center at Tyler, TX |
| 2010 - present | Adjunct Faculty , Department of Environmental and Radiological Health Sciences, Colorado State University, Fort Collins, CO |
| 2009 - 2010 | Assistant Professor (non-tenure track), Department of Environmental and Radiological Health Sciences, Colorado State University, Fort Collins, CO |
| 2008 - 2009 | Scientific Coordinator , High Plains Intermountain Center for Agricultural Health and Safety, Colorado State University, Fort Collins, CO |

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| 2003 - 2008 | Graduate Research Assistant , Colorado State University, Ft. Collins, CO |
| 2004 - 2007 | Physical Therapist , Ray Physical Therapy, Ft. Collins, CO |
| 2002 - 2003 | Director of Rehabilitation Services , Metroplex Health System, Killeen, TX |
| 1999 - 2001 | Clinic Manager , East Texas Medical Center, Canton, TX |
| 1998 - 1999 | Director of Therapy Services , Trinity Valley Medical Center, Palestine, TX |
| 1997 - 1998 | Clinic Manager , East Texas Medical Center, Canton, TX |
| 1995 - 1997 | Physical Therapist , East Texas Medical Center, Tyler, TX |

EDUCATION

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| 2008 - 2009 | Post-Doctoral Fellow, Department of Environmental and Radiological Health Sciences, Colorado State University, Fort Collins, CO |
| 2008 | Ph.D., Environmental Health Sciences (Ergonomics emphasis) Colorado State University, Fort Collins, CO Dissertation: "Analysis of Agriculture Injuries Using Workers' Compensation Data" |
| 2003 | M.B.A., Business Administration, University of Mary Hardin-Baylor, Belton, TX |
| 1995 | M.P.T., Physical Therapy, University of Texas Medical Branch, Galveston, TX |
| 1993 | B.S., Health Care Sciences, University of Texas Medical Branch, Galveston, TX |
| 1992 | B.S., Kinesiology, Texas A&M University, College Station, TX |

PROFESSIONAL LICENSE/CERTIFICATION

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| 2015 - present | Certified Safety Professional (CSP #29921), Board of Certified Safety Professionals |
| 2014 - present | Certified Professional Ergonomist (CPE #1663), Board of Certification in Professional Ergonomics |
| 2013 | Lean Six Sigma-Black Belt Certificate |
| 2009 - present | Authorized OSHA General Industry Outreach Trainer |
| 2007 | OSHA Occupational Safety and Health Standards for General Industry |
| 2006 | OSHA 10-hour Training in Construction Safety and Health |
| 1995 - present | Physical Therapist, State of Texas, License #1098598 |

HONORS AND AWARDS

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| 2025 | Texas A&M University, School of Public Health Faculty Research Excellence Award |
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| 2025 | Published positive editorial of two 2024 publications: Arjanto, P. (2025) Transformative safety leadership: evaluating e-learning interventions for behavior change and enhanced workplace safety climate. Workplace Health and Safety. https://doi.org/10.1177/21650799251324614 |
| 2024 | Inducted into Texas A&M School of Public Health's Alpha Tau chapter of Delta Omega (national public health honor society) |
| 2021 - 2022 | UTHealth School of Public Health, Award for Excellence in Community Service |
| 2020 | Journal of Agromedicine Leader in the Field |
| 2014 | Nominated for Outstanding Reviewer, Journal of Agromedicine |
| 2006, 2008 | Outstanding Graduate Student Researcher, Department of Environmental and Radiological Health Sciences, Colorado State University, Fort Collins, CO |
| 2003 - 2008 | NIOSH Traineeship, Mountain and Plains Educational and Research Center, Department of Environmental and Radiological Health Sciences, Colorado State University, Fort Collins, CO |

PROFESSIONAL AFFILIATIONS

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| 2025 - present | American Society of Safety Professionals |
| 2025 - present | Human Factors and Ergonomics Society |
| 2024 - present | Society of Total Worker Health |

PROFESSIONAL INTERESTS

Prevention of work-related injury and illness
Occupational ergonomics and safety
Safety management and leadership
Ergonomic assessment
Occupational health and safety leadership and management
Employment testing
Work disability
Worker performance and efficiency
Worker physiology
Agricultural injury and illness prevention

ACTIVE GRANTS & PROJECTS AS KEY PERSONNEL

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| 2024-2025 | Project Title: H5N1 Worker Training Development, Delivery and Evaluation. Code: Supplemental Investigator Initiated Funding to address Public Health Emergency (HPAI-H5N1) U54OH007541. Funding Organization: CDC/NIOSH. Total Costs: \$107,927 Role: Principal Investigator. Percent Effort: 8%. |
| 2022-2027 | Project Title: Dairy Worker Fatigue Assessment and Influence on Health, Safety and Performance; Basic/Etiology Core Project of the High Plains and Intermountain Center for Agricultural Health and Safety (HICAHS). Code: U54OH008085. PI: David Douphrate, PhD. Center Director: Lorann Stallones, PhD. Funding Agency: |

CDC/NIOSH. **Total Costs** (subcontract): \$1,661,765 **Role:** Principal Investigator. **Percent Effort:** 30%.

2022-2027 **Project Title:** High Plains and Intermountain Center for Agricultural Health and Safety (HICAHS); Planning and Evaluation Core-Center Administration. **Code:** U54OH008085. Center Director: Lorann Stallones, PhD. **Funding Agency:** CDC/NIOSH. **Total Costs:** \$146,490. **Role:** Co-Investigator and Center Associate Director. **Percent Effort:** 10%.

2022-2027 **Project Title:** Characterization and Comparison of Worker Health Status on Western U.S. Large-Herd Dairy Farms; Basic/Etiology Core Project of the Southwest Center for Agricultural Health, Injury Prevention and Education (SW Ag Center). **Code:** U54OH007541. **PI:** David Douphrate, PhD. Center Director, Vanessa Casanova, PhD. **Funding Agency:** CDC/NIOSH. **Total Costs** (subcontract): \$789,467 **Role:** Principal Investigator. **Percent Effort:** 15%.

2022-2027 **Project Title:** Southwest Center for Agricultural Health, Injury Prevention and Education (SW Ag Center); Planning and Evaluation Core-Center Administration. **Code:** U54OH007541. **Center Director:** Vanessa Casanova, PhD. **Funding Agency:** CDC/NIOSH. **Total Costs** (subcontract): \$116,955. **Role:** Co-Investigator and Deputy Director. **Percent Effort:** 8%

2023-2028 **Project Title:** Occupational Safety and Health Training Program **Code:** T030H009410 **PI:** Mark Benden, PhD **Funding Agency:** CDC/NIOSH **Type:** Training Program Grant. **Total Costs:** \$750,000. **Role:** Program Instructor. **Percent Effort:** 0.12%

COMPLETED PROJECTS

2024-2025 **Project Title:** Assessment of Infectious Disease Exposures Among US Dairy Farm Workers **Code:** 75D30124C19382 **Funding Agency:** CDC. **Total Costs:** \$3,856,509. **Role:** Principal Investigator. **Percent Effort:** 30%.

2023-2024 **Project Title:** The Relationship of Musculoskeletal Symptoms in Nurses with Psychological and Physiological Factors Influencing Health **Code:** none. **PI:** Luna, S. **Funding Organization:** Texas Physical Therapy Foundation. **Total Costs:** \$3,000 **Type:** Competitive Research Grant. **Role:** Doctoral Committee Chair, and Co-I.

2016 - 2022 **Project Title:** Occupational Safety Management and Leadership on Large-Herd Dairy Farms; Intervention Core Project of the High Plains and Intermountain Center for Agricultural Health and Safety (HICAHS). **Code:** U54OH008085. **PI:** David Douphrate, PhD. Center Director: Stephen Reynolds, PhD. **Funding Agency:** CDC/NIOSH. **Total Costs** (subcontract): \$1,175,741 **Type:** RO1 Level. **Role:** Principal Investigator. **Percent Effort:** 30%.

2022-2023 **Project Title:** Workplace Safety and Health Training on Infectious Diseases, Including COVID-19 **Code:** SH-38960-22-60-F-48. **PI:** Anabel Rodriguez, PhD **Funding Agency:** DOL/OSHA/Susan Harwood Training Program Grant. **Type:** Training Program Grant. **Total Costs:** \$160,000. **Role:** Co-Investigator. **Percent Effort:** 5.0%

2016 - 2022 **Project Title:** High Plains and Intermountain Center for Agricultural Health and Safety (HICAHS); Planning and Evaluation Core-Center Administration. **Code:** U54OH008085. Center Director: Stephen Reynolds, PhD. **Funding Agency:** CDC/NIOSH. **Total Costs:** \$82,778. **Role:** Co-Investigator and Associate Director. **Percent Effort:** 8%.

2016 - 2022 **Project Title:** Physical Exposures and Musculoskeletal Symptoms Among Logging Machine Operators; Basic/Etiology Core Project of the Southwest Center for Agricultural Health, Injury Prevention and Education (SW Ag Center). **Code:** U54OH007541. **PI:** David Douphrate, PhD. Center Director, Vanessa Casanova, PhD. **Funding Agency:** CDC/NIOSH. **Total Costs** (subcontract): \$699,995 **Type:** RO1 Level. **Role:** Principal Investigator. **Percent Effort:** 25%.

2016 - 2022 **Project Title:** Southwest Center for Agricultural Health, Injury Prevention and Education (SW Ag Center); Planning and Evaluation Core-Center Administration. **Code:** U54OH007541. **Center Director:** Vanessa Casanova, PhD. **Funding Agency:** CDC/NIOSH. **Total Costs** (subcontract): \$82,778. **Role:** Co-Investigator and Deputy Director. **Percent Effort:** 8%

2015 - 2022 **Project Title:** The Impact of Thermal Load on PFD Use Among Shrimp Fishermen; Basic/Etiology Core Project of the Southwest Center for Agricultural Health, Injury Prevention and Education (SW Ag Center). **Code:** U54OH007541. **PI:** Ann Carruth, DNS. Center Director: Jeff Levin, MD. **Funding Agency:** CDC/NIOSH. **Total Costs:** \$89,101 **Type:** RO1 Level. **Role:** Co-Investigator. **Percent Effort:** 8%.

2020 - 2022 **Project Title:** COVID-19 in the US Dairy Industry: Development, Delivery and Evaluation of Training Resources for Producers and Workers. **Code:** pending. **PI:** David Douphrate, PhD. **Funding Agency:** USDA/NIFA, Agriculture and Food Research Initiative (AFRI). **Total Costs:** \$639,000 **Type:** AFRI Research Standard Grant. **Role:** Principle Investigator. **Percent Effort:** 15%.

2021 - 2022 **Project Title:** Health needs assessment among construction workers in South Texas **PI:** David Douphrate, PhD. **Funding Institution:** University of Texas Health Science Center at San Antonio. **Total Costs:** \$4,723 **Type:** Pilot **Role:** Supervising PI for Graduate Student.

Apr 2021 – Sept 2021 **Project Title:** Linking agricultural producers with public health departments for on-farm COVID-19 vaccine efforts. **PI:** Anabel Rodriguez, PhD. **Agency:** CDC/ National Center for Farmworker Health (NCFH) **Total Costs** \$44,012 **Type:** Outreach **Role:** Co-Investigator. **Percent Effort:** 4%.

2015-2020 **Project Title:** Southwest Center for Occupational and Environmental Health Education and Research Center (NIOSH-ERC). **Code:** T42OH008421. **Center Director and PI:** David Gimeno, PhD. **Funding Agency:** CDC/ NIOSH: **Total Costs:** \$6,921,775. **Role:** Pilot Project Research Training Program Director; **Percent Effort:** 10%

2016 - 2019 **Project Title:** Occupational Exposures of Tree Planters in the Forestry Services Sector; Basic/Etiology Core Project of the Southwest Center for Agricultural Health, Injury Prevention and Education (SW Ag Center). **Code:** U54OH007541. **PI:**

Vanessa Casanova: PhD. Center Director: Jeff Levin, MD. **Funding Agency:** CDC/NIOSH. **Total Costs** (subcontract): \$47,488. Type: RO3 Level **Role:** Co-Investigator. **Percent Effort:** 10%.

- 2011 - 2017 **Project Title:** Exposure Assessment and Intervention Analysis in Industrialized Dairy Parlors. **Code:** U54OH008085. **PI:** David Douphrate, PhD. Center Director: Stephen Reynolds, PhD. **Funding Agency:** CDC/NIOSH/CSU. **Total Costs** (subcontract): \$668,953. **Type:** RO1 level project. **Role:** Principal Investigator. **Percent Effort:** 30%
- 2016 - 2017 **Project Title:** Safety Training Among Dairy Workers Using Mobile Learning Technologies **Code:** SH-29638-16-60-F-48. **PI:** David Douphrate, PhD **Funding Agency:** DOL/OSHA, Susan Harwood Capacity Generating Grant: **Total Budgeted:** \$116,248. **Role:** Principal Investigator. **Percent Effort:** 10%
- 2014-2017 **Project Title:** Development of Safety Management and Leadership Training for Logging Contractors **Code:** 1U01OH010815-01. **PI:** David Douphrate, PhD **Funding Agency:** CDC/NIOSH. **Total Budgeted:** \$824,749. **Role:** Co-Principal Investigator (Casanova). **Percent Effort:** 20%
- 2013 - 2014 **Project Title:** Clinical Investigation of Hearing Injuries, Noise Exposures, and Cost Burden in Active Duty US Military Service Members. **PI:** Sharon Cooper, PhD. **Funding Agency:** Air Force Research Laboratory. **Total Costs:** \$1,297,082. **Role:** Co-Investigator. **Percent Effort:** 20%
- 2014 - 2015 **Project Title:** Clinical Investigation of Hearing Injuries, Noise Exposures, and Cost Burden in Active Duty US Military Service Members. TASKs 1 and 2. **PI:** David Gimeno, PhD. **Funding Agency:** Air Force Research Laboratory. **Total Costs:** \$390,807. **Role:** Co-Investigator. **Percent Effort:** 20%
- 2011 - 2015 **Project Title:** Southwest Center for Occupational and Environmental Health, Education and Research Center (NIOSH-ERC). **Code:** T42OH008421. **Center Director and PI:** Elaine Symanski, PhD. **Funding Agency:** CDC/ NIOSH. **Total Costs:** \$4,499,330. **Role:** Program Instructor and Pilot Projects Research Training Program Director (final year). **Percent Effort:** 2% Years 1-4 and 10% in Year 5.
- 2014 - 2015 **Project Title:** Safety Training Among Dairy Workers Using Mobile Learning Technologies. **Code:** SH-26326-14-60-F-48. **PI:** David Douphrate, PhD. **Funding Agency:** DOL/OSHA Susan Harwood Targeted Topic Training Grant: **Total Costs:** \$140,000. **Role:** Principal Investigator. **Percent Effort:** 25%.
- 2012 - 2013 **Project Title:** Safety Leadership and Management Practices among Large-Herd Dairy Owners. **Code:** T42OH008421. **PI:** David Douphrate, PhD. **Funding Agency:** CDC/NIOSH through the Southwest Center for Occupational and Environmental Health, Pilot Projects Research Training Program (PPRTP). **Total Costs:** \$10,000. **Role:** Principal Investigator. **Percent Effort:** No salary support.
- 2012 - 2014 **Project Title:** Injury Risk Assessment Among East Texas Forestry Workers. **Code:** U50OH008085-04A1. **PI:** David Douphrate, PhD. **Funding Agency:** CDC/NIOSH

through The Southwest Center for Agricultural Health, Injury Prevention, and Education Pilot Project Program: **Total Costs:** \$15,000.

Role: Principal Investigator. **Percent Effort:** 7%

- 2011 - 2012 **Project Title:** Safe Patient Handling Among Healthcare Workers. **Code:** SH-22316-SH1. **PI:** Lisa Pompeii, PhD. **Funding Agency:** DOL/OSHA, Susan Harwood Targeted Topic Training Program. **Total Award:** \$165,000. **Role:** Co-Investigator. **Percent Effort:** 10%
- 2011 - 2012 **Project Title:** Enhancing Training Effectiveness in Industrialized Dairy Production. **Code:** U54OH008085. **PI:** John Rosecrance, PhD. Center Director: Stephen Reynolds, PhD. **Funding Agency:** CDC/NIOSH/CSU. **Total Costs** (subcontract): \$45,000. **Role:** Co-Investigator. **Percent Effort:** 6%
- 2007 - 2012 **Project Title:** Injury Risk Analysis in Large-Herd Dairy Parlors. **Code:** U50OH008085. **PI:** John Rosecrance, PhD. Center Director: Stephen Reynolds, PhD. **Funding Agency:** CDC/NIOSH/CSU. **Total Costs:** \$589,104. **Type:** RO1 Level. **Role:** Project Coordinator. **Percent Effort:** 30%
- 2009 - 2011 **Project Title:** Assessment of Muscular Force Exposures to the Upper Extremity Among Dairy Parlor Workers. **PI:** David Douphrate, PhD. **Funding Agency:** CDC/NIOSH through the Mountain and Plains Educational and Research Center Pilot Project Program. **Total Costs:** \$20,000. **Role:** Principal Investigator. **Percent Effort:** 5%
- 2009 - 2011 **Project Title:** Direct Measurement of Physical Risk Factors of Awkward Postures and Repetition Involving Large Herd Dairy Parlor Workers. **PI:** David Douphrate, PhD. **Funding Agency:** CDC/NIOSH through High Plains and Intermountain Center for Agricultural Health and Safety Pilot Project Program. **Total Costs:** \$12,823. **Role:** Principal Investigator. **Percent Effort:** 5%
- 2005 - 2007 **Project Title:** Costs Associated with Tractor-Related Injuries in Agriculture: An Analysis of Workers' Compensation Data, National Tractor Safety Initiative. **PI:** Stephen Reynolds, PhD. **Funding Agency:** CDC/NIOSH through High Plains and Intermountain Center for Agricultural Health and Safety. **Total Costs:** \$250,000 **Role:** Co-Investigator. **Percent Effort:** 10%
- 2004 - 2005 **Project Title:** The Epidemiology of Musculoskeletal Injuries Among Agricultural Workers: An Analysis of Colorado Workers Compensation Data. **PI:** David Douphrate, PhD. **Funding Agency:** CDC/NCIPC through the Colorado Injury Control Research Center Pilot Project Program. **Total Costs:** \$10,000. **Role:** Principal Investigator. **Percent Effort:** 10%.
- 2004 - 2005 **Project Title:** Musculoskeletal Injuries Among Agricultural Workers **PI:** David Douphrate, PhD. **Funding Agency:** CDC/NIOSH through High Plains and Intermountain Center for Agricultural Health and Safety Pilot Project Program. **Total Costs:** \$10,000. **Role:** Principal Investigator. **Percent Effort:** 5%

PROJECTS SUBMITTED AND NOT FUNDED

- 2022-2026 **Project Title:** Effects of Teat Cleaning Methods on Physical Demands and Musculoskeletal Symptoms among Dairy Parlor Workers **Co-PI:** David Douphrate

Funding Agency: CDC/NIOSH **Total Costs:** \$1,834,887 **Role:** Co-Principal Investigator (with Fethke, University of Iowa). **Percent Effort:** 20%.

- 2019 - 2021 **Project Title:** Effect of Teat Sanitation Methods on Worker Health Demands and Teat Cleanliness **PI:** David Douphrate **Funding Agency:** USDA/AFRI **Total Costs:** \$406,087 **Role:** Principal Investigator. **Percent Effort:** 20%
- 2018 - 2023 **Project Title:** Health Services Research Training Program at UHealth Center Director and **PI:** Xianglin Du. **Funding Agency:** NIH/AHRQ: **Total Costs:** \$1,944,660 **Role:** Instructor.
- 2014 - 2017 **Project Title:** Multi-state Industry Specific Learning Konsortium (MILK) **PI:** Robert Hagevoort PhD and David Douphrate, PhD. **Funding Agency:** DOL. **Total Budgeted:** \$577,763. **Role:** Principal Investigator (MPI)
- 2014 - 2016 **Project Title:** Safety Management and Leadership on Large-Herd Dairy Farms. **Code:** R21OH010650. **PI:** David Douphrate, PhD **Funding Agency:** CDC/NIOSH; **Total Costs:** \$417,020. **Type:** R21 **Role:** Principal Investigator
- 2015 - 2016 **Project Title:** Latin American GEOHealth Hub Collaborative (LAGHC): USA **PI:** George Delclos, MD. **Funding Agency:** NIH/Fogarty. **Total Costs:** \$1,407,900. **Role:** Co-Investigator
- 2013 **Project Title:** Evaluation of a Novel Human Motion Capture System for Field Based Musculoskeletal Injury Reduction. **PI:** David Douphrate, PhD **Funding Agency:** Institute for Integration of Medicine and Science. **Role:** Principal Investigator

PEER REVIEWED PUBLICATIONS (*graduate student, #corresponding)

56. Luna S*, **Douphrate D**, Choi B, Flores B, Patel R, Pompeii L. (2025). Musculoskeletal symptoms, job-related stress, and burnout in nurses: a cross-sectional, observational study. Workplace Health & Safety. Epub ahead of print. DOI: 10.1177/21650799251374180.
55. Luna S*, **Douphrate D**, Choi B, Flores B, Patel R, Pompeii L. (2025). High amount of physical activity on workdays is associated with more intense musculoskeletal symptoms in nurses: a seven-day observational stud. Nursing Reports. 15(5): 143. DOI: 10.3390/nursrep15050143.
54. Rodriguez A, **Douphrate D**, Pineda Reyes A; Zavala S ; Chavez L; Lopez S ; Cabrera Cruz A; Keeney A; Hernandez N; Berumen-Flucker B; Shipp E; Nonnenmann M; Guillot-Wright S; Boggess Alcauter B; Lopez Ixta, G; Cuccaro P; Fernandez-Sanchez H; Gimeno D. (2025). Fuimos olvidados y descuidados [Forgotten and neglected]: Lessons learned and findings from on-farm COVID-19 education and vaccine clinics for agricultural workers and their multigenerational families in Texas. Workplace Health and Safety. Accepted for publication.
53. **Douphrate D**, Rodriguez A, Kines P, Hossein Javid A, Hagevoort R, Pompeii L. (2025). Safety leadership training: implementation and effectiveness evaluation in the dairy farm industry. Workplace Health and Safety. 73(6): 310-319. E-pub ahead of print March 17, 2025. DOI: 10.1177/21650799251319313.

52. **Douphrate D**, Rodriguez A, Kines P, Hossein Javid A. (2025). Effect of dairy farm supervisor leadership training on workplace safety climate. *Workplace Health and Safety*. 73(4): 227-235. E-pub ahead of print December 30, 2024. DOI: 10.1177/21650799241304458.
51. **Douphrate D**, Rodriguez A, Kines P, Hossein Javid A. (2025). Safety leadership training effectiveness evaluation of behavior change among large-herd U.S. dairy farm supervisors. *Workplace Health and Safety*. 73(4): 180-192. E-pub ahead of print December 13, 2024. DOI: 10.1177/21650799241302817.

*Two preceding articles featured in a published positive commentary by Arjanto (2025) which is indicated in Honors and Awards section.

50. Rodriguez A, **Douphrate DI**, Pineda Reyes AL, Zavala S, Cabrera Cruz AV, Alegria MD, Ukaegbu B, Keeney AJ, Berumen-Flucker B, Shipp EM, Guillot-Wright SP, Fernandez-Esquer ME, Gimeno Ruiz de Porras G. (2025). Promoting workplace health, safety, and well-being among essential agricultural workers through vaccine-preventable infectious diseases training in the Rio Grande Valley. *Journal of Agromedicine*. 30(4): 57-67. Epub ahead of print November 13, 2024. PMID: 39537616. DOI: 10.1080/1059924X.2024.2421249.
49. Peng T*, Chen B, Brown HS, **Douphrate D**, Janak J, Gabriel KP. (2024) National Trends in the Utilization and Expenditure of Chiropractic Care in U.S. Adults: Analysis of the 2007-2016 Medical Expenditure Panel Survey. *J Manipulative Physiol Ther*. E-pub ahead of print September 27, 2024. PMID: 39340508. DOI: doi.org/10.1016/j.jmpt.2024.08.005
48. Chen B, Brown HS, **Douphrate D**, Janak J, Gabriel KP, Peng T. (2024). Predictors of utilization frequency of and expenditure amount for chiropractic care in U.S. adults: A retrospective cohort study. *J Manipulative Physiol Ther*. 28:S0161-4754. DOI: 10.1016/j.jmpt.2024.08.004
47. Rodriguez A, López, SN, **Douphrate, D**. (2023). On-farm health screening needs of immigrant dairy workers in the Texas Panhandle and South Plains. *Journal of Agromedicine*. 28(4): 665-675. DOI: 10.1080/1059924X.2023.2200418.
46. Dacso MM, Bente DA, Weaver SC, Kobinger GP, Melby PC, McLellan SLF, Keiser PH, Hamer SA, Hamer GL, Parker GW, **Douphrate DI**, Rodriguez A, Goodman ML, XIII A, Gray GC. (2022). Texas Professionals are Employing a One Health Approach to Protect the United States Against Biosecurity Threats. *One Health*. 15 (100431). DOI: 10.1016/j.onehlt.2022.100431.
45. Sokale I*, Conway S, **Douphrate D**. (2022). Built environment and its association with depression among older adults: a systematic review. *The Open Public Health Journal*. 15: e187494452202030. DOI: 10.2174/18749445-v15-e2202030.
44. Driscoll M, Dalton D, Jenkins P, Tinc P, Murphy D, **Douphrate D**, Sorensen J. (2022). A scoping review of safety and health interventions in the high-risk dairy industry: gaps in evidence indicate a need for rigorous evaluation. *Journal of Agromedicine*. 27(1): 51-63. DOI: 10.1080/1059924X.2020.1837703. PMID: 33191879.
43. Peng T*, Chen B, Brown H, **Douphrate D**, Janak J, Pettee Gabriel K. (2021). National trends in the expenditure and utilization of chiropractic care in US children and adolescents from the 2007-2016 Medical Expenditure Panel Survey: a cross sectional study. *Journal of Manipulative and Physiological Therapeutics*. 44(8): 591-600. DOI: 10.1016/j.jmpt.2022.02.002. PMID: 35680457

42. **Douphrate, D.** (2021). Animal agriculture and the One Health approach. *Journal of Agromedicine*. 26(1): 85-87. DOI: 10.1080/1059924X.2021.1849136. PMID: 33502961.
41. Rodriguez A*, **Douphrate, D.**, Gimeno D, Prot, E, Perez A, Hagevoort R, Nonnenmann M. (2020). Bovine tuberculosis case intervention using T. SPOT.TB assay to screen dairy workers in Bailey County, Texas. *Frontiers in Public Health*. 8 (479): 1-7. DOI: 10.3389/fpubh.2020.00479. PMID: 32984254. PMCID: 7493632.
40. Rodriguez A*, **Douphrate D.**, Gimeno Ruiz de Porras D, Perez A, Hagevoort R, Nonnenmann M, Cienega L. (2020) Association of exposure to cattle with self-reported history of TB among dairy workers. *Workplace Health and Safety*. 69(7): 306-314. DOI: 10.1177/2165079920976521. PMID: 33383992. PMCID: 8205934. NIHMSID: 1672198.
39. Rodriguez A*, **Douphrate D.**, Gimeno Ruiz de Porras D, Perez A, Hagevoort R, Nonnenmann M, Cienega L. (2020) Association of category of cattle exposure with tuberculosis knowledge among dairy workers in Bailey County, Texas. *Journal of Agromedicine*. 26(3): 313-322. DOI: 10.1080/1059924X.2020.1765931. PMID: 32449645. PMCID: 7928191. NIHMSID: 1672190.
38. Pate W*, Betancourt J, Delclos G, **Douphrate D.**, Gimeno D. (2020). Patient safety and employee safety culture: measurement and agreement. *Professional Safety*. 65(2):41-46.
37. **Douphrate D.**, Fethke N, Nonnenmann M, Rodriguez A*, Gimeno Ruiz de Porras D. (2019). Reliability of observational- and machine-based teat hygiene scoring methodologies. *Journal of Dairy Science*. 102(8): 7494-7502. DOI: 10.3168/jds.2019-16351. PMID: 31178196 PMCID: PMC6939313.
36. Berumen-Flucker B*, Rodriguez A*, Cienega L*, Casanova V, Pompeii L, Gimeno Ruiz de Porras D, **Douphrate D[#]**. (2019). Evaluation of safety management and leadership training using mobile technologies among logging supervisors. *Journal of Agromedicine*. 24(2):197-204. DOI: 10.1080/1059924X.2019.1567420 PMID: 30624154 PMCID: PMC7008448 NIHMSID 1068661.
35. Rodriguez A*, Gimeno Ruiz de Porras D, Casanova V, Levin J, **Douphrate D[#]**. (2019). Work-related musculoskeletal symptoms among loggers in the Ark-La-Tex region. *Journal of Agromedicine*. 24(2): 167-176. DOI: 10.1080/1059924X.2019.1567423. PMID: 30624156 PMCID: PMC7008449 NIHMSID 1068663.
34. Rodriguez A*, Hagevoort R, Leal D, Pompeii L, **Douphrate D[#]**. (2018). Using mobile technology to increase safety awareness among dairy workers in the United States. *Journal of Agromedicine*. 23(4):315-326. DOI: 10.1080/1059924X.2018.1502704. PMID: 30230436.
33. Pinion C*, Klyza J, Brewer S, **Douphrate D.** (2018). North American engineering, procurement, fabrication and construction worker safety climate perception affected by job position. *Safety*. 4(2):14. DOI: 10.3390/safety4020014.
32. Oyama S, Sosa S*, Campbell R, Ortega C, **Douphrate D.** (2017). Evaluation of upper body kinematics and muscle activity during milking attachment task. *International Journal of Industrial Ergonomics*. 61:101-106. DOI: 10.1016/j.ergon.2017.05.012. PMCID: PMC9434597.
31. **Douphrate D.**, Gimeno Ruiz de Porras D, Nonnenmann M, Hagevoort R, Reynolds S, Rodriguez A*, Fethke N. (2017). Effects of milking unit design on upper extremity muscle activity during

- attachment among U.S. large-herd parlor workers. *Applied Ergonomics*. 58:482-490. DOI: 10.1016/j.apergo.2016.08.008. PMID: 27633245 PMCID: PMC7008452.
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 29. Conway S, Pompeii L, Casanova V, **Douphrate D**. (2017). A qualitative assessment of safe work practices in logging in the Southern U.S. *American Journal of Industrial Medicine*. 60(1): 58-68. DOI: 10.1002/ajim.22656. PMID: 27747911. PMCID: 7383958.
 28. Nonnenmann M, Gimeno D, Levin J, **Douphrate D**, Boggaram V, Schaffer J, Gallagher M, Hornick M, Reynolds S. (2017). Pulmonary function and airway inflammation among dairy parlor workers after exposure to inhalable aerosols. *American Journal of Industrial Medicine*. 60(3): 255-263. DOI: 10.1002/ajim.22680. PMID: 28195657. PMCID: 7082837.
 27. **Douphrate D**, Fethke N, Nonnenmann M, Rodriguez A*, Hagevoort R, Gimeno Ruiz de Porras D. (2016). Full-shift and task-specific assessment of muscle activity among large herd dairy parlor workers. *Ergonomics*. 60:1042-1054. DOI: 10.1080/00140139.2016.1262464. PMID: 27854562 PMCID: PMC7020102 NIHMSID: 1068688.
 26. **Douphrate D**, Fethke N, Nonnenmann M, Rodriguez A*, Hagevoort R, Gimeno Ruiz de Porras D. (2016). Effect of a novel teat preparation system on upper extremity muscle activity among U.S. large-herd dairy parlor workers. *International Journal of Industrial Ergonomics*. 56:161-169. DOI: 10.1016/j.ergon.2016.10.003. PMCID: PMC7043381 NIHMSID: 1068672.
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 23. **Douphrate D**, Nonnenmann M, Hagevoort R, Gimeno D. (2016). Work-related musculoskeletal symptoms and job factors among large-herd dairy milkers. *Journal of Agromedicine*. 21(3):1-10. DOI: 10.1080/1059924X.2016.1179612. PMID: 27092590 PMCID: PMC7005927 NIHMSID: 1068677.
 22. Campos-Fumero A*, Delclos GL, **Douphrate DI**, Felknor SA, Vargas-Prada S, Serra C, Coggon D, Gimeno D. (2016). Upper extremity musculoskeletal pain among office workers in three Spanish speaking-countries: findings from the CUPID study. *Journal of Occupational and Environmental Medicine*. 73(6): 394-400. DOI: 10.1136/oemed-2015-103327. PMID: 26972870. PMCID: 4872836.
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and endotoxin among dairy parlor workers—a pilot study. *Journal of Occupational and Environmental Hygiene*. 9(7): D136-140. DOI: 10.1080/15459624.2012.691410.

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8. Patil A*, Rosecrance J, **Douphrate D**, Gilkey D. (2012). Prevalence of carpal tunnel syndrome among dairy workers. *American Journal of Industrial Medicine*. 55:127-135. DOI: 10.1002/ajim.21995.
7. **Douphrate D**, Fethke N, Nonnenmann M, Rosecrance J, Reynolds S. (2012). Full shift arm inclinometry among dairy parlor workers: a feasibility study in a challenging work environment. *Applied Ergonomics*. 43:604-613. DOI: 10.1016/j.apergo.2011.09.007.
6. **Douphrate D**, Nonnenmann M, Rosecrance J. (2009). Ergonomics in industrialized dairy operations. *Journal of Agromedicine*. 14:406-412. DOI: 10.1080/10599240903260444.
5. **Douphrate D**, Rosecrance J, Reynolds S, Stallones L, Gilkey D. (2009). Tractor-related injuries: an analysis of workers' compensation data. *Journal of Agromedicine*. 14:190-197. DOI: 10.1080/10599240902773215.
4. **Douphrate D**, Rosecrance J, Stallones L, Reynolds S, Gilkey, D. (2009). Livestock-handling injuries in agriculture: an analysis of Colorado workers' compensation data. *American Journal of Industrial Medicine*. 52:391-407. DOI: 10.1002/ajim.20686.
3. **Douphrate D**, Rosecrance J, Wahl G. (2006). Workers' compensation experience of Colorado agriculture workers, 2000-2004. *American Journal of Industrial Medicine*. 49:900-910. DOI: 10.1002/ajim.20387.
2. Baker J, **Douphrate D**, Ridley D. (1996). The use of the Revised PSB-Health Occupations Aptitude Examination as a predictor of success in physical therapy students. *Journal of Physical Therapy Education*. 10:63-67.
1. **Douphrate D**, Green J., Heffner K, Berman S, East C. (1994). Evaluation of three near- infrared instruments for body composition assessment in a cardiac patient population. *Journal of Cardiopulmonary Rehabilitation*. 14:399-405.

MANUSCRIPTS UNDER REVIEW (*graduate student, #corresponding)

1. Luna S*, **Douphrate D**, Choi B, Flores B, Patel R, Pompeii L. (2025). Short sleep duration is associated with more intense musculoskeletal symptoms in nurses: an observational study. *New Solutions: A Journal of Environmental and Occupational Health Policy*. Under review.

MANUSCRIPTS IN DEVELOPMENT (*graduate student, #corresponding)

2. **Douphrate D**, Fethke N, Rodriguez A, Gimeno D, Schall, M. Physical exposure assessment among logging machine operators: a comparison of logging machinery.
1. **Douphrate D**, Fethke N, Rodriguez A, Gimeno D, Schall, M. Association of worksite physical exposures and musculoskeletal symptoms among logging machine operators.

INDUSTRY PUBLICATIONS (*graduate student, #corresponding)

1. **Douphrate D** and Hagevoort R. FARM Workforce Development Safety Reference Manual (2019). National Milk Producers Federation. Available at <https://nationaldairyfarm.com/producer-resources/worker-safety-human-resources/>

NON-PEER REVIEWED TRADE PUBLICATIONS

31. **Douphrate D.** Research Update 4: Evaluation of milking unit design on parlor worker muscle activity. New Mexico Dairy Extension E-Newsletter. April 2019.
30. **Douphrate D.** Research Update 3: Evaluation of teat scrubber effects on parlor worker muscle activity. New Mexico Dairy Extension E-Newsletter. March 2019.
29. **Douphrate D.** Research Update 2: Job factors and musculoskeletal symptoms among parlor workers. New Mexico Dairy Extension E-Newsletter. November 2018.
28. **Douphrate D.** Research Update 1: Musculoskeletal symptoms of milking parlor workers. New Mexico Dairy Extension E-Newsletter. October 2018.
27. **Douphrate D** and Rodriguez A. Dairy Farming and COVID-19. New Mexico Dairy Extension E-Newsletter. April 2020.
26. **Douphrate D** and Rodriguez A. What dairy farmers must know about COVID-19. Hoard's Dairyman. April 10, 2020, page 213.
25. **Douphrate D** and Hagevoort R. Using mobile devices to offer safety training to dairy workers. Progressive Dairyman E-Newsletter. July 29, 2015.
24. **Douphrate D** and Hagevoort R. Safety management on dairy farms: Employee participation and accountability. Progressive Dairyman E-Newsletter. February 26, 2015.
23. **Douphrate D** and Reynolds S. Safety management on dairy farms: Owner and manager commitment. Progressive Dairyman E-Newsletter. December 18, 2014.
22. **Douphrate D**, Reynolds S, Hagevoort R. Emergency Preparedness on Dairy Farms. Progressive Dairyman E-Newsletter. August 20, 2014.
21. Roman-Muniz N, **Douphrate D.** What are Zoonotic Diseases? Progressive Dairyman E-Newsletter. May 21, 2014.
20. Roman-Muniz N, **Douphrate D.** Preventing Zoonotic Disease on the Dairy. Progressive Dairyman E-Newsletter. May 21, 2014.
19. Pompeii L, **Douphrate D.** Workplace Violence on Dairy Farms. Progressive Dairyman E-Newsletter. April 25, 2014.
18. Murphy D, Hill D, **Douphrate D.** Open-air manure Storage Safety. Progressive Dairyman E-Newsletter. March 25, 2014.
17. **Douphrate D**, Bolsen K, Reynolds S, Hagevoort R. Silage Safety. Progressive Dairyman E-Newsletter. February 25, 2014.

16. **Douphrate D**, Hagevoort R and Reynolds S. Shiftwork on dairy farms. Progressive Dairyman E-Newsletter. January 25, 2014.
15. Roma-Muniz N and **Douphrate D**. Vaccination safety on dairy farms. Progressive Dairyman E-Newsletter. December 20, 2013.
14. **Douphrate D**. Dairy worker safety in cold environments. Progressive Dairyman E-Newsletter. November 15, 2013.
13. **Douphrate D**, Hagevoort R. Dairy worker safety training. Progressive Dairyman E-Newsletter. October 22, 2013.
12. Murphy D, **Douphrate D**. ATV safety. Progressive Dairyman E-Newsletter. September 10, 2013.
11. Nonnenmann M, Hagevoort R, **Douphrate D**. Heat stress: bad for both dairy cows and the people that care for them. Progressive Dairyman E-Newsletter. August 10, 2013.
10. Reynolds S, **Douphrate D**. Respiratory hazards on the dairy farm. Progressive Dairyman E-Newsletter. July 10, 2013.
9. Murphy D, **Douphrate D**. Dairy manure pit safety. Progressive Dairyman E-Newsletter. June 18, 2013.
8. Ayers P, **Douphrate D**. Dairy worker safety and health: Tractor safety on dairy farms. Progressive Dairyman E-Newsletter. May 10, 2013.
7. **Douphrate D**, Bauer M. Dairy worker safety and health: Chemical hazard communication. Progressive Dairyman E-Newsletter. April 8, 2013.
6. **Douphrate D**, Bauer M, Brazile W, Root K. Dairy worker safety and health: Injury and illness recordkeeping. Progressive Dairyman E-Newsletter. March 11, 2013.
5. **Douphrate D**, Bauer M, Brazile W, Root K. Dairy worker safety and health: OSHA inspections, citations and penalties. Progressive Dairyman E-Newsletter. February 11, 2013.
4. **Douphrate D** and Hagevoort R. Dairy worker safety and health: a new column from David Douphrate. Progressive Dairyman E-Newsletter. January 14, 2013.
3. **Douphrate D**. Special Issue: Dairy Farm Safety and OSHA—Approaches for Effective Management and Worker Training. New Mexico State University Dairy Extension Newsletter, September 2011, Volume 2, Number 5.
2. **Douphrate D**. Special Issue: Dairy Farm Safety and OSHA—Approaches for Effective Management and Worker Training. New Mexico State University Dairy Extension Newsletter, September 2011, Volume 2, Number 4.
1. **Douphrate D**. Dairy Farm Safety and OSHA—Approaches for Effective Management and Worker Training. Utah State University Dairy Extension Newsletter, June 2011, Volume 34, Number 3.

SCIENTIFIC ABSTRACTS & PRESENTATIONS

76. **Douphrate D.** Animal Agriculture Safety and Health. ASHCA North American Agricultural Safety Summit. October 20-22, 2025. San Antonio, TX.
75. **Douphrate, D.** Rodriguez, A., Fischer, R., Taylor, L., Erickson, T., Moats, J. Hagevoort, R., Nonnenmann, M. Avian influenza on dairy farms in the U.S.: the human impact in a challenging work environment. Texas Department of State Health Services, Task Force of Border Health Officials Meeting. October 8, 2025. Virtual.
74. **Douphrate, D.** Rodriguez, A., Fischer, R., Taylor, L., Erickson, T., Moats, J. Hagevoort, R., Nonnenmann, M. Avian influenza on dairy farms in the U.S.: the human impact in a challenging work environment. Nordic Meeting on Agricultural Occupational Health. September 2-4, 2025. Ystad, Sweden.
73. **Douphrate, D. Kines, P., Rodriguez, A., Javid, A.** Safety leadership training effectiveness evaluation of behavior change among large-herd U.S. dairy farm supervisors. Nordic Meeting on Agricultural Occupational Health. September 2-4, 2025. Ystad, Sweden.
72. **Douphrate, D.** Fischer, R. Navigating academic-industry-public health partnerships for emerging infectious disease events, such as H5N1, in the US. 74th Annual James Steele Conference on Diseases in Nature Transmissible to Humans. May 21-23, 2025. San Antonio, TX.
71. **Douphrate, D.** Avian influenza HPAI H5N1 on US dairy farms. EXCITE Extension H5N1 Education Series. Virtual presentation. January 21, 2025.
70. **Douphrate, D.** Heat stress in agriculture and the OSHA proposed Heat Stress Rule. 2024 New York Labor Roadshow. December 11-13, 2024. Albany and Geneva, NY. Invited Presenter.
69. **Douphrate, D.** H5N1 in Dairy. ISASH Virtual Meeting. December 9, 2024.
68. **Douphrate, D.** Fatigue in the Workplace. Society for Total Worker Health™ 2024 Regional Meeting. College Station, Texas. October 23, 2024. Speaker and Meeting Organizer.
67. **Douphrate, D.** On-farm translational research and outreach through academic-extension-industry partnerships. American Dairy Science Association Annual Meeting. Ottawa, Ontario, Canada. June 25-28, 2023. Invited speaker.
66. Peng, T., Chen, B., Brown, H.S., **Douphrate, D.**, Janak, J., & Pettee Gabriel, K. National trends in the utilization and expenditure of chiropractic care in U.S. adults: data from the 2007-2016 Medical Expenditure Panel Survey. American Public Health Association 2022 Annual Meeting. Boston, MA. November 6th-9th, 2022.
65. Rodriguez A., Hagevoort, R., **Douphrate, D.** An assessment of latent tuberculosis infection and tuberculosis knowledge among U.S. dairy workers. American Dairy Science Association: Production, Management, and the Environment Section. Kansas City, MO. June 19 – 22, 2022.
64. Rodriguez A., Hagevoort, R., **Douphrate, D.** An assessment of latent tuberculosis infection and tuberculosis knowledge among U.S. dairy workers. American Dairy Science Association:

Production, Management, and the Environment Section. Kansas City, MO. June 19 – 22, 2022.

63. **Douphrate D** and Rodriguez A. Logging machine operators health and safety training. Western Ag Safety and Health Conference: Cultivating Collaborations, Seattle, WA, August 7-9, 2019.
62. **Douphrate D**, Rabinowitz P, Nonnenmann M, Fowler H Hagevoort R, Austin E. Animal agriculture and the One Health approach. Western Ag Safety and Health Conference: Cultivating Collaborations, Seattle, WA, August 7-9, 2019. (panel organizer and moderator)
61. **Douphrate D**. Sustainable forestry management: the role of worker health and safety. Invited keynote presentation. Arkansas Timber Producer Association Annual Meeting, Hot Springs, AR, August 24-25, 2018.
60. **Douphrate D**. Hagevoort R, Murphy D, Naerebout R, Rodriguez A. Addressing key safety and health issues on the dairy. Invited panel organizer and moderator. Raising Safety: North American Agricultural Safety Summit, Scottsdale, AZ, February 21-23, 2018.
59. **Douphrate D**. Dairy parlor ergonomics Raising Safety: North American Agricultural Safety Summit, Scottsdale, AZ, February 21-23, 2018.
58. **Douphrate D**. Dairy worker safety: issues, research and solutions. United Dairymen of Idaho Annual Meeting, Boise, ID, November 8-9, 2017.
57. **Douphrate D**. Worker safety and performance: past, current and future research and outreach efforts. Idaho Milk Processors Annual Convention, Sun Valley, ID, August 9-10, 2017.
56. Hagevoort R, **Douphrate D**, Naerebout B, Brose, White J. Challenges surrounding training the next generation in dairy. Panel Discussion. Western Dairy Management Conference, Reno, NV, February 28 - March 2, 2017.
55. **Douphrate D**. Dairy safety management: current situation, challenges, and solutions. Invited Presenter. Washington State Dairy Safety Conference. Ellensburg, WA, November 7-8, 2016.
54. **Douphrate D**. Safety Training Effectiveness Evaluation-The What, When, Why, Where & How. Invited presenter. Occupational Safety and Health Administration (OSHA) Susan Harwood Trainer Exchange. Washington, D.C. October 18-19, 2016.
53. Campos-Fumero A*, Delclos GL, **Douphrate DI**, Felknor SA, Vargas-Prada S, Serra C, Gimeno D. Low back pain among office workers in Costa Rica, Nicaragua and Spain. 25th EPICOH Conference: Occupational Health, Think Globally, Act Locally. Scientific Committee on Epidemiology in Occupational Health. Barcelona, Catalonia (Spain). September 4-7, 2016.
52. **Douphrate D**, Hagevoort R, Rodriguez A, Pompeii L. Delivery of safety training to US dairy workers using novel mobile technologies. Nordic Meeting of Agricultural Occupational Health and Safety, Billund, Denmark, August 24-26, 2016.

51. Hagevoort R, **Douphrate D**, Garcia Buitrago A, Rodriguez A. Delivery of animal handling training to U.S. workers using novel mobile technologies. Nordic Meeting on Agricultural Occupational Health & Safety, Billund, Denmark, August 24-26, 2016.
50. **Douphrate D**. Full-shift and task-specific ergonomic exposure assessment of posture and muscle activity among dairy parlor workers in US large herd operations. Ninth International Conference on Prevention of Work-Related Musculoskeletal Disorders (PREMUS), Toronto, Canada, June 20-23, 2016.
49. **Douphrate D**. Dairy worker health and safety. Invited Presenter. Washington Department of Safety and Health Technical Symposium, Wenatchee, WA, May 25-26, 2016.
48. **Douphrate D**. Safety training on dairy farms. Invited Presenter. Washington Department of Safety and Health Technical Symposium, Wenatchee, WA, May 25-26, 2016.
47. **Douphrate D**. Dairy worker health and safety: current situation, research challenges and lessons learned. 1st Annual Occupational Health and Safety Research Conference. Keynote presenter. University of Iowa, Iowa City, IA, April 1, 2016.
46. Hagevoort R and **Douphrate D**. Dairy safety management. Western States Dairy Producers Trade Association Annual Meeting. Las Vegas, NV, March 30, 2016.
45. **Douphrate D**. On-farm risk management and safety on dairy farms: Regulatory requirements and planning. High Plains Dairy Conference, Lubbock, TX, March 1-2, 2016.
44. **Douphrate D**. Worker health and safety on US dairies. Invited lecture to the Governor's Agricultural Safety Day. Wenatchee, WA, February 24, 2016.
43. **Douphrate D**. Acute agricultural injuries. Texas Rural Health Association, Agromedicine Workshop, Fort Worth, TX, October 29-30, 2015.
42. **Douphrate D**. Musculoskeletal diseases and ergonomics in agriculture. Texas Rural Health Association, Agromedicine Workshop, Fort Worth, TX, October 29-30, 2015.
41. **Douphrate D**. Safety performance on dairy farms. Invited lecture to the World Dairy Expo. Madison, WI, October 1-2, 2015.
40. **Douphrate D**. Safety performance on dairy farms. Invited lecture to delegations from Pakistan and China, University of Wisconsin at River Falls, WI, September 27-28, 2015.
39. **Douphrate D** and Reynolds S. Worker health and safety on dairy farms: a report of development of an effective research and outreach stakeholder network. Invited lecture to the Western States Occupational Network (WestON), Denver, CO, September 17-18, 2015.
38. **Douphrate D**. Interventions to reduce exposure to physical risk factors for musculoskeletal disorders among dairy parlor workers. American Industrial Hygiene Conference and Exposition (AIHce). Salt Lake City, UT, May 30-June 4, 2015.
37. **Douphrate D**. Safety performance on dairy farms. Invited lecture to the Western Dairy Management Conference, Reno, NV, March 3-5, 2015.

36. **Douphrate D.** Safety training using mobile learning technologies on large herd dairy operations. OSHA Susan Harwood Trainer Exchange Conference, Washington, DC, February 18-19, 2015.
35. **Douphrate D.** Worker health and safety on US dairy farms. 24th Annual Midwest Stream Farmworker Health Forum, San Antonio, TX, November 20-22, 2014.
34. **Douphrate D,** Gimeno D, Nonnenmann M, Hagevoort R, Rosecrance J, Reynolds S. Prevalence of work-related musculoskeletal symptoms among US large-herd dairy parlor workers. 7th International Symposium: Safety and Health in Agricultural and Rural Populations: Global Perspectives, Saskatoon, SK October 19-22, 2014.
33. **Douphrate D,** Fethke N, Hagevoort R, Nonnenmann M, Gimeno D, Marshall A, Schall M, Chen H, Mixco A, Reynolds S. Task-specific and full shift sampling of upper extremity muscle activity among US large-herd dairy parlor workers. 7th International Symposium: Safety and Health in Agricultural and Rural Populations: Global Perspectives, Saskatoon, SK, October 19-22, 2014.
32. **Douphrate D.** Milking parlor ergonomics on US large herd dairies. North American Agricultural Safety Summit, Minneapolis, MN, September 25-27, 2013.
31. **Douphrate D,** Keifer M, Liebman A, Carrabba J, Hagevoort R, Grafft L, Reynolds R. Assisting the dairy industry to optimize worker health and safety: expert panel presentation. International Society of Agricultural Safety and Health Annual Conference, Sandusky, OH, June 23-27, 2013.
30. **Douphrate D** and Levin J. Ergonomic considerations in logging operations. Four-State Forestry on the Grow Conference, Texarkana, TX, April 24-27, 2013.
29. **Douphrate D.** Managing worker safety, productivity, and regulatory issues. Southern Great Plains Dairy Consortium Annual Meeting, Grapevine, TX, March 28, 2013.
28. **Douphrate D.** Upper extremity hazards and solutions in large herd parlor milking. Agricultural Safety and Health: Focus on Dairy, Palmerston North, New Zealand, September 28-30, 2012.
27. **Douphrate D,** Rosecrance J, Reynolds, S. Ergonomic exposures of posture and muscle activity among US large herd dairy parlor workers. Nordic Meeting on Agricultural Occupational Health & Safety 2012, Ystad, Sweden, August 27-29, 2012.
26. **Douphrate D** and Rosecrance C. Ergonomic exposure assessment of posture and muscle activity among dairy parlor workers in US large herd operations. International Conference on Safety, Health and Welfare in Agriculture and Agro-food Systems--Ragusa SHWA 2012, Ragusa Ibla Campus- Italy, September 3-6, 2012.
25. **Douphrate D.** Incorporating worker safety into daily farm management activities. Dairy Summit, Wisconsin Dells, WI, December 7-8, 2011.
24. **Douphrate D,** Rosecrance J, Reynolds S. Musculoskeletal symptoms and physical exposures among US large- herd milking parlor workers. Irish Meeting on Agricultural Occupational Safety and Health, Dublin, Ireland, August 22-24, 2011.

23. **Douphrate D.** Dairy farm safety and OSHA: Approaches for effective management and worker training. Dairy Calf and Heifer Conference, Lake Geneva, WI, April 5-6, 2011.
22. Gilkey D, Randall E, Hansen C, Patil A, Rosecrance J, **Douphrate D.** Musculoskeletal Symptoms and Ergonomic Risk Factors Among Veterinary Sonographers. Human Factors and Ergonomics Society 55th Annual Meeting, Las Vegas, Nevada, September 19-23, 2011.
21. **Douphrate D,** Rosecrance J. Industrialization of Dairy Operations: Ergonomic Implications. International Conference of Work Safety and Risk Prevention in Agro-food and Forest Systems, Ragusa SHWA2010 - Ragusa Ibla Campus- Italy, September 16-18, 2010.
20. **Douphrate D,** Rosecrance J. Livestock Handling Injuries in the United States. International Conference of Work Safety and Risk Prevention in Agro-food and Forest Systems, Ragusa SHWA2010. Ragusa Ibla Campus- Italy, September 16-18, 2010.
19. **Douphrate D.** Rosecrance J, Kolstrup, C, Pinzke S, and Stål M. Musculoskeletal Disorders and Ergonomic Challenges in Modern Dairy Production: European and US Perspectives. Seventh International Conference on Prevention of Work-Related Musculoskeletal Disorders (PREMUS). Angers, France. August 29-September 3, 2010. (presenter and symposium moderator).
18. **Douphrate D,** Kolstrup C, Rosecrance J, Reynolds S, Lundqvist P, Pinzke S, Stål M. European and US dairy production: challenges of work-related musculoskeletal disorder prevention. Seventh International Conference on Prevention of Work-Related Musculoskeletal Disorders (PREMUS). Angers, France, August 29-September 3, 2010.
17. Kolstrup C, **Douphrate D,** Pinzke S, Stål M, Lundqvist P, Rosecrance J, Reynolds S. Musculoskeletal symptoms among US and Swedish dairy workers. Seventh International Conference on Prevention of Work-Related Musculoskeletal Disorders (PREMUS). Angers, France, August 29-September 3, 2010.
16. Rosecrance J, **Douphrate D,** Patil A. Carpal tunnel syndrome among US dairy parlor workers. Seventh International Conference on Prevention of Work-Related Musculoskeletal Disorders (PREMUS). Angers, France, August 29-September 3, 2010.
15. **Douphrate D,** Rosecrance J, Fethke N, and Nonnenmann M. Full-shift upper extremity direct exposure assessment of US dairy parlor workers. Seventh International Conference on Prevention of Work-Related Musculoskeletal Disorders (PREMUS). Angers, France, August 29-September 3, 2010.
14. **Douphrate D.** How can we use workers' compensation data for occupational injury research? Second Annual Western States Occupational Network (WestON) Conference, Denver, CO, September 24-25, 2009.
13. **Douphrate D,** Rosecrance J, Reynolds S, Rosas-Goulart C, Roman-Muniz N, and Nonnenmann M. NIOSH protecting workers in agriculture: an example of immediate r2p in an ergonomic research project in large herd dairies. NIOSH Invitational Intra/Extramural Agriculture, Forestry and Fishing Safety and Health Workshop, Cincinnati, OH, August 11-12, 2009.

12. **Douphrate D.** and Rosecrance J. (2009) Ergonomics needs assessment of large-herd dairy parlor operations. 21st Annual International Occupational Ergonomics and Safety Conference, Dallas, TX, June 11-12, 2009.
11. **Douphrate D.** and Rosecrance J. Livestock-handling injuries in Colorado agriculture. New Paths Conference: Health and Safety in Western Agriculture, Cle Elum, WA, November 11-13, 2008.
10. Rosecrance J. and **Douphrate D.** Ergonomics and dairy operations. New Paths Conference: Health and Safety in Western Agriculture, Cle Elum, WA, November 11-13, 2008.
9. **Douphrate D.**, Rosecrance J and Reynolds S. Tractor-related injuries on farms: an analysis of workers' compensation data. Sixth International Symposium on Public Health and the Agricultural Rural Ecosystem, Saskatoon, SK, Canada, October 19-23, 2008.
8. **Douphrate D.**, Rosecrance J. and Reynolds S. Dairy farm injuries: an analysis of workers' compensation data. Sixth International Symposium on Public Health and the Agricultural Rural Ecosystem, Saskatoon, SK, Canada, October 19-23, 2008.
7. **Douphrate D.**, Rosecrance J and Reynolds S. What can workers' compensation data tell us about livestock-handling injuries in agriculture? Sixth International Symposium on Public Health and the Agricultural Rural Ecosystem, Saskatoon, SK, Canada, October 19-23, 2008.
6. **Douphrate D.** and Rosecrance J. The analysis of agriculture injuries using workers' compensation data. 6th Annual Regional National Occupational Research Agenda Young Investigators Symposium, Salt Lake City, UT, April 17-18, 2008.
5. **Douphrate D.**, Rosecrance J, and Wahl G. Workers' compensation experience of Colorado agriculture workers, 2000-2004. National Occupational Research Agenda Symposium, Washington, DC, April 18-20, 2006.
4. Rosecrance J, **Douphrate D.**, and Cross S. Integration of participatory ergonomics and lean manufacturing: a model and case study. International Symposium on Human Factors in Organizational Design and Management-VIII Conference, Maui, HI, June 22-25, 2005.
3. **Douphrate D.** and Rosecrance J. The economics and cost justification of ergonomics. 2nd Annual Regional National Occupational Research Agenda Young Investigators Symposium, Salt Lake City, UT, April 15-16, 2004.
2. Rosecrance J, **Douphrate D.** Wellness in the workplace. 14th Annual American Physical Therapy Association/Colorado Chapter Fall Symposium, Colorado Springs, CO, November 5-6, 2004.
1. **Douphrate D.** and Rosecrance J. Use of the Colorado workers' compensation database to investigate agriculture injuries. Brouha Work Symposium, Keystone, CO, September 1-3, 2004.

REFEREED CONFERENCE PROCEEDINGS (*Graduate student)

14. **Douphrate D.** Upper extremity hazards and solutions in large herd parlor milking. Agricultural Safety and Health: Focus on Dairy. September 28-30, 2012. Palmerston North, New Zealand.

13. **Douphrate D**, Rosecrance J, Reynolds, S. Ergonomic exposures of posture and muscle activity among US large herd dairy parlor workers. Nordic Meeting on Agricultural Occupational Health & Safety 2012. August 27-29, 2012, Ystad, Sweden.
12. **Douphrate D** and Rosecrance C. Ergonomic exposure assessment of posture and muscle activity among dairy parlor workers in US large herd operations. International Conference on Safety, Health and Welfare in Agriculture and Agro-food Systems--Ragusa SHWA 2012, September 3-6, 2012, Ragusa Ibla Campus- Italy.
11. **Douphrate, D**. Incorporating worker safety into daily farm management activities. 2011 Dairy Summit, December 7-8, 2011, Wisconsin Dells, WI.
10. **Douphrate, D**, Rosecrance J, Reynolds S (2011). Musculoskeletal symptoms and physical exposures among US large- herd milking parlor workers. Irish Meeting on Agricultural Occupational Safety and Health, August 22-24, 2011, Dublin, Ireland.
9. **Douphrate D**. Dairy farm safety and OSHA: Approaches for effective management and worker training. Dairy Calf and Heifer Conference, April 5-6, 2011, Lake Geneva, WI.
8. **Douphrate D**, Rosecrance J. (2010). Industrialization of Dairy Operations: Ergonomic Implications. International Conference of Work Safety and Risk Prevention in Agro-food and Forest Systems, Ragusa SHWA2010 - September 16-18, 2010 Ragusa Ibla Campus- Italy, pp. 10-13.
7. **Douphrate D** and Rosecrance J. (2010) Livestock Handling Injuries in the United States. International Conference of Work Safety and Risk Prevention in Agro-food and Forest Systems, Ragusa SHWA2010 - September 16-18, 2010 Ragusa Ibla Campus- Italy, pp. 14-19.
6. Patil A*, Gilkey D, Rosecrance J, and **Douphrate D** (2010) Risk Exposure Assessment of Dairy Parlor Workers. Proceedings of the Human Factors and Ergonomics Society, 54th Annual Meeting, pp. 1916-1920.
5. **Douphrate D** and Rosecrance J (2009) Ergonomics needs assessment of large-herd dairy parlor operations. Proceedings of the 21st Annual International Occupational Ergonomics and Safety Conference, Dallas, TX, June 11-12, 2009.
4. **Douphrate D**, Rosecrance J, Stallones L, Reynolds S, Gilkey D. (2008) The use of workers' compensation data to investigate livestock handling injuries in agriculture. NORA Symposium 2008: Public Market for Ideas and Partnership. Denver, CO. p 30 of conference proceedings (NIOSH/CDC Publication).
3. **Douphrate D**, Rosecrance J, Stallones L, Reynolds S, Gilkey D. (2008) The use of workers' compensation data to investigate tractor-related injuries in agriculture. NORA Symposium 2008: Public Market for Ideas and Partnership. Denver, CO. p 29 of conference proceedings (NIOSH/CDC Publication).
2. Rosecrance J, **Douphrate D**, and Cross S (2005). Integration of participatory ergonomics and lean manufacturing: a model and case study. Factors in Organizational Design and Management-VIII, Carayon, P., Robertson, M., Kleiner, B., Hoonakker, P. (eds), IEA Press, Santa Monica, California, 437-442.

1. **Douphrate D** and Rosecrance J (2004). The economics and cost justification of ergonomics. Proceedings of the 2nd Annual Regional National Occupational Research Agenda Young Investigators Symposium, Blosswick D. (ed.), University of Utah Press, 29-40.

POSTER PRESENTATIONS (*Graduate student)

13. Troisi C, **Douphrate D**, Emery R, Rios J, Boerwinkle E. Texas Epidemic Public Health Institute workforce online preparedness certificate. Reimagining Preparedness in the ERA of COVID-19, Atlanta, GA, April 4-7, 2022.
12. Conway S, Pompeii L, Casanova V, **Douphrate, D**. A qualitative assessment of safe work practices in logging in the Southern United States. Epidemiology in Occupational Health (EPICOH) Conference, Barcelona, Spain, September 4-7, 2016.
11. Campos-Fumero A*, Gimeno D, Douphrate DI, Felknor SA, Vargas-Prada S, Serra C, Delclos GL. Upper extremity musculoskeletal pain among office employees in Costa Rica, Nicaragua and Spain. Ninth International Conference on Prevention of Work-Related Musculoskeletal Disorders (PREMUS). Toronto, Canada, June 20-23, 2016. June 20-23, 2016.
10. Sosa A*, Oyama S, **Douphrate D**, Ortega C, Land W, Yao W, Campbell, R, Vasquez, C. Scapular kinematics during milking task. 2015 Texas Physical Therapy Annual Conference, Arlington, TX, October 22-24, 2015.
9. Read T, Amick B, **Douphrate D**. Head injury risk assessment in a large oilfield services company. 53rd Annual National Student Researcher Forum, Galveston, TX, April 26-27, 2012.
8. **Douphrate D**. Nonnenmann M, Reynolds S, Levin J, Buchan V, Rosecrance J. High Plains and Mountain Region Dairy Health and Safety Workshop: a participatory approach to identify research and outreach needs in the dairy industry. 2010 Agriculture Safety and Health Council of America and NIOSH, Protecting Workers in Agriculture Conference, Dallas, TX, January 27-28, 2010.
7. **Douphrate D**, Rosecrance J, Stallones L, Reynolds S, Gilkey D. The use of workers' compensation data to investigate livestock-handling injuries in agriculture. National Occupational Research Agenda Symposium, Denver, CO, July 29, 2008.
6. **Douphrate D**, Rosecrance J, Stallones L, Reynolds S, Gilkey D. The use of workers' compensation data to investigate tractor-related injuries in agriculture. National Occupational Research Agenda Symposium, Denver, CO, July 29, 2008.
5. **Douphrate D**. and Rosecrance J. Sprain and strain musculoskeletal disorders among Colorado agriculture workers: an analysis of workers compensation claims data. 6th International Scientific Conference on Prevention of Work-Related Musculoskeletal Disorders, Boston, MA, August 27-30, 2007.
4. **Douphrate D** and Rosecrance J. Agriculture injuries in Colorado: an analysis of workers' compensation claims. American Public Health Association 135th Annual Meeting and Expo, Washington, DC, November 3-7, 2007.

3. **Douphrate D**, Rosecrance J, Wahl G. Workers' compensation experience of Colorado agriculture workers, 2000-2004. National Occupational Research Agenda Symposium, Washington, DC, April 18-20, 2006.
2. **Douphrate D** and Rosecrance J. Integration of participatory ergonomics and lean manufacturing: a model and case study. American Industrial Hygiene Conference and Expo, Anaheim, CA, May 21-26, 2005.
1. **Douphrate D**, Rosecrance J, Wahl G. Musculoskeletal injuries among Colorado agriculture workers. Priester National Extension Health Conference, Lexington, KY, April 12-15, 2005.

TRAININGS AND WORKSHOPS

21. **Douphrate D**. Ergonomics in livestock management. Colorado Livestock Association Quarterly Safety Meeting. March 27, 2025.
20. **Douphrate D**. Safety leadership and management on dairy farms. FARM Workforce Development series virtual presentation. October 31, 2024.
19. **Douphrate D**. Safety Training in the Dairy Industry. NMPF FARM Quick Convo. Virtual. September 22, 2021.
18. **Douphrate D**. Ergonomic issues of industrialized dairy operations & livestock-handling injuries. Visiting Scholar Lecture Series, National Farm Medicine Center, Marshfield, WI, February 4, 2009.
17. **Douphrate D**. Dairy safety train the trainer workshop. Idaho Dairymen's Association. Twin Falls, ID, January 16-18, 2018.
16. **Douphrate D**. Dairy farm safety OSHA training. Kansas Livestock Association, Garden Park KS, September 24-25, 2015.
15. **Douphrate D**. Dairy farm safety OSHA training. Idaho Dairyman's Association, Boise, ID, October 12-13, 2016.
14. **Douphrate D**. Dairy farm safety OSHA training. Idaho Dairyman's Association, Twin Falls, ID, July 25-27, 2016.
13. **Douphrate D**. Dairy farm safety OSHA training. Brookings, SD, August 14-15, 2014.
12. **Douphrate D**. Dairy farm safety OSHA training. Aurora Dairy, Platteville, CO, August 10-11, 2015.
11. **Douphrate D**. Dairy farm safety and leadership. U.S. Dairy Consortium Teaching: Advanced Dairy Herd Management. Clovis, NM, June 10-11, 2024.
10. **Douphrate D**. Dairy farm safety and leadership. U.S. Dairy Consortium Teaching: Advanced Dairy Herd Management. Clovis, NM, June 14-15, 2023.
9. **Douphrate D**. Dairy farm safety and leadership. U.S. Dairy Consortium Teaching: Advanced Dairy Herd Management. Clovis, NM, June 14-15, 2022.

8. **Douphrate D.** Dairy farm safety and leadership. U.S. Dairy Consortium Teaching: Advanced Dairy Herd Management. Clovis, NM, June 14-15, 2021.
7. **Douphrate D.** Dairy farm safety and leadership. U.S. Dairy Consortium Teaching: Advanced Dairy Herd Management. Clovis, NM, June 10-11, 2019.
6. **Douphrate D.** Dairy farm safety and leadership. U.S. Dairy Consortium Teaching: Advanced Dairy Herd Management. Clovis, NM, June 11-12, 2018.
5. **Douphrate D.** Dairy farm safety and leadership. U.S. Dairy Consortium Teaching: Advanced Dairy Herd Management. Clovis, NM, June 14-15, 2017.
4. **Douphrate D.** Dairy farm safety and leadership. U.S. Dairy Consortium Teaching: Advanced Dairy Herd Management. Clovis, NM, June 15-16, 2016.
3. **Douphrate D.** Dairy farm safety and leadership. U.S. Dairy Consortium Teaching: Advanced Dairy Herd Management. Clovis, NM, June 18-19, 2015.
2. **Douphrate D.** Dairy farm safety and leadership. Southern Great Plains Dairy Consortium Teaching: Advanced Dairy Herd Management. Clovis, NM, June 23-24, 2014.
1. **Douphrate D.** Dairy farm safety and leadership. Southern Great Plains Dairy Consortium Teaching: Advanced Dairy Herd Management. Clovis, NM, June 17-18, 2013.

MEDIA INTERVIEWS/CITED IN MEDIA

10. Interviewed by Rae Solomon, reporter for KUNC-NPR Northern Colorado for article on dairy farm fatality incident in Colorado. August 27, 2025.
9. Interviewed by Dillon Thomas, reporter for CBS Colorado for article on dairy farm fatality incident in Colorado. August 22, 2025.
8. Interviewed by Evan Kruegel, reporter for 9News for article on dairy farm fatality incident in Colorado. August 22, 2025.
7. Interviewed by Nate Belt, reporter for Fox31 for article on dairy farm fatality incident in Colorado. August 22, 2025.
6. Interviewed by Ester Honig, reporter for KUNC Radio for article entitled As Dairy Farms Expand, Mobile Training Helps Workers Prevent Injury And Death. September 26, 2018. Article found at <https://www.kunc.org/post/dairy-farms-expand-mobile-training-helps-workers-prevent-injury-and-death#stream/0>.
5. Featured in article written by Pete Delaunay entitled “Dairy Farm Worker Safety Expert Provides Proactive Advice at Dairy Federation Meeting” which was published in Dairyland News. Issue 15, Nov/Dec 2016.
4. Interviewed by Jack Wax for an article entitled Take the Pain out of Farming which was published in *Acres USA*. May 2015.

3. Interviewed by Kelsey Gee, reporter for *Wall Street Journal* for an upcoming article regarding worker health and safety issues on dairy farms. Interviewed on March 30, 2015.
2. Interviewed by Nadine Miller of Land O'Lakes for an upcoming article in *Hoard's Dairyman Magazine* regarding worker health and safety issues on dairy farms. Interviewed on January 22, 2015.
1. Interviewed and cited by Steve Werblow for an article entitled *Deep in Your Bones: Simple Steps to Prevent Injuries and Years of Pain* which was published in *The Furrow*, a worldwide farm magazine published in 12 languages by Deere & Company. Volume 119, Issue 8, December 2014.

WEBINARS

12. **Douphrate D.** Panelist on Protecting Dairy and Poultry Workers from Avian Influenza (AI) Roundtable Discussion. Central States Center for Agricultural Safety and Health. January 6, 2026.
11. **Douphrate D.** Panelist on H5N1 Response Webinar. Northeast Center for Occupational Health and Safety in Agriculture, Forestry, and Fishing and the Northeast Dairy Producers Association. April 14, 2025.

Douphrate D. Growing Safely: Safety Planning for Small Farms. Texas Agribility Webinar. September 13, 2023.

Douphrate D. Confined Spaces on Dairy Farms. AgriSafe Webinar for National Farm Safety Week. September 21, 2023.

Delclos G, **Douphrate D**, Emery R, Hysler T, Mena K, Rios J (panelists). Reopen Texas the Right Way-Webinar Series Addressing COVID-19 Pandemic. Southwest Center for Occupational and Environmental Health, UTHealth School of Public Health, Houston, TX in Collaboration with Houston Area Safety Council.

Retail Industry, May 20, 2020

Restaurant industry, May 27, 2020

Construction and Manufacturing industries, June 3, 2020

Places of worship, June 10, 2020

Mental Health and Employee Resilience, June 17, 2020

Personal Care Establishments, June 24, 2020

Non-Hospital Healthcare, July 1, 2020

Douphrate D. COVID and Construction: Practical Applications. Construction and COVID-19: Staying Safe on the Job Site. April 16, 2020; Southwest Center for Occupational and Environmental Health, UTHealth School of Public Health, Houston, TX.

Douphrate D and Rodriguez A. Tips for Working with Producers. Producer Relations for Health Center Staff. April 15, 2020. National Center for Farmworker Health. Buda, TX.

Douphrate D. Working From Home: Ergonomic Considerations and Practical Applications Presented in webinar: Ergonomics, Nutrition, Physical Activity, and Mental Health Guidance while Working Remotely from Home during COVID-19, April 14, 2020; Southwest Center for Occupational and Environmental Health, UTHealth School of Public Health, Houston, TX.

Douphrate D and Fethke N. Large herd dairy milking parlors: exposure characterization and intervention analysis. NIOSH Education and Research Centers Ergonomics Webinar Series, June 19, 2019.

Douphrate D, Rodriguez A. Delivery of Safety Training in Dairy Using Mobile Technologies. Agrisafe Webinar Series, May 25, 2017.

Reynolds S, **Douphrate D**. High Plains Intermountain Center for Agricultural Health and Safety: A Stakeholder Driven Approach to Health and Safety on Dairies. Agrisafe Webinar Series, May 13, 2013.

Douphrate D, Fry M. Incorporating Lean Six Sigma into Occupational Health and Safety. Webinar, American Conference of Governmental Industrial Hygienists, March 1, 2011.

TEACHING

| Year | Course # | Name | Cr | Role | Mode | # | Score* |
|--|-----------------|------------------------------|-----------|-----------------------|-------------|----------|---------------|
| <u>Texas A&M University, School of Public Health*</u> | | | | | | | |
| 2025 Spr | PHEO682 | Industrial and System Safety | 3 | Coordinator (100%) | In person | 19 | 3.6 |
| 2024 Fall | PHEO678 | Occupational Biomechanics | 3 | Coordinator (100%) | In person | 23 | 3.6 |
| 2024 Spr | PHEO682 | Industrial and System Safety | 3 | Coordinator (100%) | In person | 16 | 3.6 |
| 2023 Fall | PHEO678 | Occupational Biomechanics | 3 | Coordinator (100%) | In person | 20 | 3.6 |
| 2023 Spr | PHEO682 | Industrial and System Safety | 3 | Coordinator (100%) | In person | 13 | 4.0 |

*Student evaluation score for teaching effectiveness range from 1.0 (low) to 4.0 (high)

University of Texas School of Public Health

| Year | Course # | Name | Cr | Role | Mode | # | Score* |
|-------------|-----------------|---|-----------|-----------------------|-------------|----------|---------------|
| 2022 Spr | PH2110 | Public Health Ecology & Human Environment | 3 | Instructor (100%) | Online | 45 | 4.81 |
| 2022 Spr | PH2205 | Occ. Health & Safety Prog. Mgmt. and Ldrshp | 3 | Coordinator (100%) | In person | 24 | 4.18 |
| 2021 Fall | PH2246 | Principles of Occ.Ergonomics | 3 | Coordinator (100%) | In person | 20 | 4.69 |
| 2021 Spr | PH2110 | Public Health Ecology & the Human Environment (Section 701) | 3 | Instructor (100%) | Online | 34 | 4.13 |
| 2021 Spr | PH2110 | Public Health Ecology & the Human Environment (Section 702) | 3 | Instructor (100%) | Online | 29 | 4.16 |
| 2021 Spr | PH2205 | Occ. Health & Safety Prog. Mgmt & Ldrshp | 3 | Coordinator (100%) | In person | 24 | 4.75 |
| 2020 Fall | PH2241 | Fundamentals of Occ. Safety | 3 | Coordinator (100%) | In person | 9 | 4.71 |

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|-----------|--------|---|---|--------------------|-----------|----|------|
| 2020 Spr | PH2110 | Public Health Ecology & the Human Environment | 3 | Instructor (100%) | Online | 38 | 4.35 |
| 2020 Spr | PH2205 | Occ. Health & Safety Prog. Mgmt & Ldrshp | 3 | Coordinator (100%) | In person | 19 | 4.44 |
| 2019 Fall | PH2246 | Principles of Occ.Ergonomics | 3 | Coordinator (100%) | In person | 4 | 4.50 |
| 2019 Spr | PH2205 | Occ. Health & Safety Prog. Mgmt & Ldrshp | 3 | Coordinator (100%) | In person | 14 | 4.75 |
| 2018 Fall | PH2246 | Principles of Occ.Ergonomics | 3 | Coordinator (100%) | In person | 7 | 5.00 |
| 2018 Spr | PH2205 | Occ. Health & Safety Prog. Mgmt & Ldrshp | 3 | Coordinator (100%) | In person | 13 | 4.90 |
| 2017 Fall | PH2241 | Fundamentals of Occ. Safety | 3 | Coordinator (100%) | In person | 12 | 5.00 |
| 2017 Spr | PH2205 | Occ. Health & Safety Prog. Mgmt & Ldrshp | 3 | Coordinator (100%) | In person | 23 | 4.75 |
| 2016 Fall | PH2246 | Principles of Occ.Ergonomics | 3 | Coordinator (100%) | In person | 6 | 5.00 |
| 2016 Spr | PH2205 | Occ. Health & Safety Prog. Mgmt & Ldrshp | 3 | Coordinator (100%) | In person | 17 | 4.65 |
| 2015 Fall | PH2498 | Fundamentals of Occ. Safety | 3 | Coordinator (100%) | In person | 10 | 4.50 |
| 2015 Spr | PH2205 | Occ. Health & Safety Prog. Mgmt & Ldrshp | 3 | Coordinator (100%) | In person | 21 | 4.86 |
| 2014 Fall | PH2498 | Principles of Occ.Ergonomics | 3 | Coordinator (100%) | In person | 10 | 5.00 |
| 2014 Spr | PH2205 | Occ. Health & Safety Prog. Mgmt & Ldrshp | 3 | Coordinator (100%) | In person | 25 | 4.67 |
| 2014 Fall | PH2498 | Fundamentals of Occ. Safety | 3 | Coordinator (100%) | In person | 10 | 4.80 |
| 2013 Spr | PH3725 | Occ. Health & Safety Prog. Mgmt & Ldrshp | 3 | Coordinator (100%) | In person | 22 | 4.33 |
| 2012 Fall | PH2498 | Principles of Occ.Ergonomics | 3 | Coordinator (100%) | In person | 10 | 4.83 |
| 2012 Spr | PH3725 | Occ. Health & Safety Prog. Mgmt & Ldrshp | 3 | Coordinator (100%) | In person | 25 | 4.63 |
| 2011 Fall | PH2498 | Fundamentals of Occ. Safety | 3 | Coordinator (100%) | In person | 11 | 4.80 |

*Student evaluation score for teaching effectiveness range from 1.0 (low) to 5.0 (high)

Colorado State University

| Year | Course # | Name | Cr | Lectures |
|-------------|-----------------|--|-----------|-----------------|
| 2009 Fall | EH 526 | Industrial Hygiene | 3 | 2 |
| 2008 Spr | EH 527 | Advanced Occupational Hlth | 3 | 2 |
| 2007 Fall | EH 526 | Industrial Hygiene | 2 | 3 |
| 2007 Spr | IU 393 | People at Work: The Good, the Bad and the Ugly | 1 | 3 |
| 2007 Spr | EH 551 | Ergonomics in Product and Process Design | 3 | 4 |
| 2007 Spr | EH 230 | Environmental Health and Field Methods | 2 | 1 |
| 2006 Fall | EH 540 | Principles of Ergonomics | 3 | 4 |
| 2006 Fall | EH 520 | Advanced Environmental Health | 3 | 1 |
| 2006 Spr | IU 393 | People at Work: The Good, the Bad and the Ugly | 1 | 3 |
| 2006 Spr | EH 551 | Ergonomics in Product and Process Design | 3 | 4 |
| 2006 Spr | EH 230 | Environmental Health and Field Methods | 2 | 1 |
| 2005 Fall | EH 540* | Principles of Ergonomics | 3 | 8 |
| 2005 Fall | EH 520 | Advanced Environmental Health | 3 | 1 |
| 2005 Spr | IU 393 | People at Work: The Good, the Bad and the Ugly | 1 | 3 |
| 2005 Spr | EH 551 | Ergonomics in Product and Process Design | 3 | 4 |
| 2005 Spr | EH 230 | Environmental Health and Field Methods | 2 | 1 |
| 2004 Fall | EH 540 | Principles of Ergonomics | 3 | 4 |

*co-taught course due to illness of course instructor

INTERNAL AND EXTERNAL PROFESSIONAL SERVICE**Texas A&M University, School of Public Health**

| | |
|----------------|---|
| 2024 - present | Dept of Health Policy and Management Promotion and Tenure Committee |
| 2023 - present | Dept of Environmental & Occupational Health, Promotion and Tenure Committee |
| 2023 - present | Faculty Affairs Committee, Vice President |
| 2023 - present | Texas A&M University, Institutional Review Board |
| 2023 - present | Texas A&M Center for Worker Health Director |
| 2023 - present | Texas A&M Agrability Advisory Board Member |
| 2023 - 2024 | Dept of Environmental and Occupational Health, Faculty Search Committee Chair |
| 2023 - 2024 | Dept of Environmental and Occupational Health, Scholarship Review Committee |

University of Texas School of Public Health

| | |
|-------------|---|
| 2020 - 2023 | Southwest Center for Occupational and Environmental Health, Research Center Director |
| 2020 - 2023 | Texas Epidemic Public Health Institute Planning Committee |
| 2021 - 2022 | SPH Industrial Hygiene Search Committee, Chair |
| 2021 - 2022 | SPH Total Worker Health Search Committee |
| 2021 - 2022 | SPH EHGES NTT Search Committee |
| 2021 - 2022 | Austin Campus Faculty Search Committee, Chair |
| 2019 - 2020 | San Antonio Campus Dean Search Committee |
| 2019 - 2022 | Post-Tenure Six Year Review Committee-EOHS Representative, Chair |
| 2019 - 2022 | Reuel A. Stallones Lecture Series Planning Committee |
| 2018 - 2022 | San Antonio MPH-MBA Dual Degree Coordinator |
| 2018 - 2022 | Faculty Council-San Antonio Campus Representative |
| 2014 - 2018 | Environmental and Occupational Health Faculty Search Committee |
| 2014 - 2022 | Emeritus Faculty Committee |
| 2010 - 2022 | San Antonio Regional Campus Student Admissions Committee |
| 2010 - 2022 | Environmental and Occupational Health Student Admissions Committee |
| 2014 - 2015 | Environmental and Occupational Health Science Prelim Exam Committee |
| 2013 - 2015 | Environmental and Occupational Health Curriculum Committee |
| 2011 - 2012 | San Antonio Regional Campus Faculty Search Committee Chair |
| 2011 - 2013 | Innovation Incubator Committee |
| 2011 - 2012 | Innovation Faculty Search Committee |
| 2010 - 2011 | Comparative Effectiveness Faculty Search Committee |

Colorado State University

| | |
|-------------|--|
| 2009 - 2010 | College of Veterinary Medicine, Doctor of Veterinary Medicine (Admissions Committee) |
|-------------|--|

Grant Reviews

| | |
|---------------|---|
| 2019, October | CDC/NIOSH Study Section Reviewer, Ad Hoc |
| 2010 - 2022 | Southwest Center for Occupational and Environmental Health, Pilot Project Research Training Program |
| 2008 - | High Plains and Intermountain Center for Agricultural Health and Safety, Pilot Project Program |
| 2015 | Manitoba Workers' Compensation Board Research and Workplace Innovation Program (RWIP) |

Editorial Board Member

| | |
|--------|-------------------------|
| 2016 - | Journal of Agromedicine |
|--------|-------------------------|

Ad-Hoc Reviewer for Peer-Review Publications

Journal of Agromedicine
Journal of Ergonomics
Applied Ergonomics
Texas Public Health Journal
American Journal of Industrial Medicine
Journal of Agricultural Safety and Health
Science of the Total Environment

Conference Organizer

Linking Academia and Industry to Elevate the *Total Worker Health*® Approach. College Station, TX. October 23, 2024.

2024 International Symposium on One Health Research: Improving Food Security and Resilience. Galveston, Texas, April 21-23, 2024

2020 ASHCA North American Agricultural Safety Summit, Las Vegas, NV, March 19-20, 2020.

Western Ag Safety and Health Conference: Cultivating Collaborations, Seattle, WA, August 7-9, 2019.

9th International Scientific Conference on the Prevention of Work-Related Musculoskeletal Disorders (PREMUS), International Scientific Committee, June 20-23, 2016.

International Dairy Research Consortium, Fort Collins, CO, July 24-26, 2013.

High Plains and Mountain Dairy Health and Safety Workshop, Denver, CO, October 15-16, 2009.

Agriculture Health and Safety Management using Lean Six Sigma, Logan, UT, September 28-29, 2009.

Community Service

| | |
|-------------|---|
| 2020 - 2023 | Louis B. Brandeis High School Advisory Board Member |
| 2016 - 2020 | American Association of Woodturners, Safety Committee Member |
| 2009 - 2010 | State of Colorado, Department of Labor and Employment, Division of Workers' Compensation, Cumulative Trauma Disorder Medical Treatment Guidelines Task Force Member |

Consultations Related to Professional Expertise

| | |
|-------------|--|
| 2016 - | American Association of Woodturners, Minneapolis, MN |
| 2013 - | Dresser Rand Incorporated, Houston, TX |
| 2011 - 2013 | Baker Hughes Incorporated, Houston, TX |
| 2009 | New Belgium Brewing Company, Fort Collins, CO |
| 2007 | Insulated Component Structures, Loveland, CO |
| 2007 | Group Publishing, Loveland CO |
| 2006 | Tyson Corporation, Sedalia, MO |
| 2005 | Tyson Corporation, Robards, KY |
| 2003 - 2005 | Steris Corporation, Montgomery, AL |

STUDENT ADVISING

Texas A&M University, School of Public Health

Doctoral Students

| | | | |
|-------------|--|--|------------------|
| 2024- | Austin Burmeier (TAMU Health & Kines) | TBD | Committee Member |
| 2024 | Martha Parker | TBD | Committee Member |
| 2024 - | Wilson Awelewa | TBD | Chair |
| 2023 - | Giselle Lopez Ixta | TBD | Committee Member |
| 2021 - 2024 | Sara Luna, DPT, PhD (UTHSC San Antonio) | The Relationship of Musculoskeletal Symptoms in Nurses with Psychological and Physiological Factors Influence Health | Chair |

University of Texas School of Public Health**Doctoral Students**

| Year | Student | Topic | Role |
|-------------|--|--|--------------------------------|
| 2020-2021 | Jennifer Cwikla, DVM, MPH, PhD DACVPM | Evaluation of Morbidity and Mortality in Military Working Dogs Who Sustained Trauma While Deployed 2001-2018 | Committee Member |
| 2018 - 2022 | Peng, Trent | Utilization claims analysis of chiropractic care in the U.S. | Committee Member |
| 2016 - 2019 | Rodriguez, Anabel PhD | Tuberculosis among dairy workers Bailey County, Texas | Chair |
| 2015 - 2022 | McCoy, Wendy DrPH | The implementation of practices to create a positive laboratory safety culture at US institutions of higher education: a survey study | Academic & Research Advisor |
| 2012 - 2016 | Pate, William DrPH | Agreement between patient safety culture and employee safety culture in a healthcare environment | Committee Member |
| 2010 - 2017 | Read, Timothy PhD | A limited program evaluation of OSHA's Consultation Services | Committee Member |
| 2010 - 2014 | Campos-Fumero, Adriana DrPH | Predictors of musculoskeletal symptoms among office workers in Costa Rica based on the Cupid (Cultural and Psychosocial Influence on Disability) Study and comparison with other Spanish speaking countries. | Committee Member |
| 2010 - 2013 | Pinion, Clint DrPH | The impact of job control on employee perception of management commitment to safety in an engineering, procurement and construction company | Chair |

Master's Students

MPH Students (Capstone track): 101 advisees

MPH-MBA Dual Degree Students (Capstone track): 48 advisees

MPH Students (Research track):

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|-------------|-------------------|---|------------------|
| 2014 - 2016 | Rodriguez, Anabel | Associations between worksite ergonomic and safety risk factors with musculoskeletal health outcomes among logging | Research Advisor |
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|-------------|----------------------|--|------------------|
| | | machine operators in the Texas, Louisiana and Arkansas region | |
| 2014 - 2015 | Milner, Michelle | Description and rate of musculoskeletal injuries in Air Force basic military trainees, 2012-2014 | Committee Member |
| 2009 - 2013 | Achilike, Immaculeta | Ethnic differences in inflammation: association with obesity and insulin resistance | Research Advisor |

Colorado State University

Doctoral Students

| Year | Student | Topic | Role |
|-------------|--------------------------|--|------------------|
| 2013 - 2015 | Daniel Autenrieth PhD | Occupational health and safety management in animal production agriculture | Committee Member |
| 2008 - 2010 | Angela Dartt PhD | Ergonomic exposure assessment: a study of rater reliability, method reliability, and sampling strategy | Committee Member |

University of Texas at San Antonio

Master of Science Students

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|-----------|--------------|--|------------------|
| 2014-2015 | Araceli Sosa | Evaluation of upper body kinematics and muscle activation level during milking attachment task | Committee Member |
|-----------|--------------|--|------------------|

Edith Cowan University, School of Medical and Health Sciences, Joondalup, Australia

Doctoral Students

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|-------------|-----------------|---|------------------|
| 2021 - 2022 | Kim McLean, PhD | Does accurate data, identifying obese patients impact nurse safety and hospital finances? | Committee Member |
|-------------|-----------------|---|------------------|