

Janelle Rios, PhD, MPH

The University of Texas Health Science Center at Houston (UTHealth Houston) School of Public Health
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EDUCATION

- 1989 **Associate of Liberal Arts**
North Lake College, Irving, Texas
- 1991 **Bachelor of Arts in Biological Sciences**
Southern Methodist University, Dallas, Texas
- 2004 **Master of Public Health**
UTHealth School of Public Health, Houston, Texas
Thesis: Demographic and Spatial Analysis of West Nile Virus and St. Louis Encephalitis in Houston, Texas
- 2009 **Doctor of Philosophy in Management and Policy Science**
The University of Texas School of Public Health, Houston, Texas
Dissertation: An Analysis of the RightCare Policy at Ben Taub General Hospital in Houston, Texas

CURRENT APPOINTMENT

- 2010-Present **Faculty Associate**
UTHealth School of Public Health
- 2022-Present **Deputy Director**
Texas Epidemic Public Health Institute

PREVIOUS APPOINTMENTS IN PUBLIC HEALTH

- 2020-2024 **Deputy Director**
Center for Occupational Health and Exposome Sciences
UTHealth School of Public Health
- 2016-2020 **Director**
Office of Public Health Practice, UTHealth School of Public Health
- 2014-2016 **Deputy Director**
Southwest Center for Occupational and Environmental Health

2010-2016 **Director**, Continuing Education and Outreach Programs
Southwest Center for Occupational and Environmental Health

2006-2009 **Project Coordinator**
Coordinating Center for Clinical Trials, UTHealth School of Public Health in Houston

2002-2005 **Special Projects Coordinator**
Harris County Public Health and Environmental Services, Mosquito Control Division

1993-2002 **Environmental Investigator**
Texas Commission on Environmental Quality, Region 12 Houston

1992-1993 **Environmental Quality Specialist**
Texas Department of State Health Services, Houston Field Region

CURRENTLY FUNDED PROJECTS

Texas Epidemic Public Health Institute (TEPHI)

Funded by: Office of the Governor/U.S. Department of Treasury

Goal: Prepare Texas to mitigate the transmission of infectious diseases

Project Start Date: September 1, 2021

Role: Deputy Director

Prevention, Preparedness, and Response (P2R) Consortium

Project 1: Hazardous Waste Worker Training Program

Project 2: HazMat Disaster Preparedness Training Program

Project 3: El Paso COVID-19 Recovery Training

2020 Supplement 1: COVID-19 Training (ends May 31, 2022)

Funded by: The National Institute of Environmental Health Sciences (NIEHS), Award No. 5U45ES019360

Project Period: August 1, 2010-May 31, 2025

Role: Principal Investigator

PREVIOUSLY FUNDED PROJECTS

Safety Academy for Field Experiences (SAFE) Consortium

Funded by: The U.S. Public Health Service, (USPHS), Award No. 75P00122C00007

Goal: Develop and deliver pre-deployment training to USPHS officers

Project Period: February 2022-September 30, 2023

Role: Sub-award Principal Investigator

Just-in-Time Elastomeric Training and Fit Testing (JETFIT)

Funded by: The Centers for Disease Control and Prevention, Contract No. 75D30118C02646

Project 1: Determine feasibility of rapid fit testing and training healthcare workers in simulated public health emergency

Project 2: Assess respirator disinfection methods to determine best practices

Project 3: Determine feasibility of fit testing and training healthcare workers in routine healthcare delivery

Project Period: September 1, 2018-September 30, 2023

Role: Principal Investigator

COVID-19 in the Us Dairy Industry: Development, Delivery and Evaluation of Training Resources for Producers and Workers

Funded by: The United States Department of Agriculture (USDA) National Institute of Food and Agriculture, Grant No. 2020-67023-32905

Project Period: September 15, 2020-September 14, 2022

Role: Co-Investigator

Texas-Utah Consortium for Hazardous Waste Worker Health and Safety Training

Project 1: Hazardous Waste Worker Training Program

Project 2: HazMat Disaster Preparedness Training Program

2020 Supplement 1: COVID-19

2020 Supplement 2: Disaster Act

Funded by: The National Institute of Environmental Health Sciences (NIEHS), Award No. 5U45ES019360

Project Period: August 1, 2010-July 31, 2020

Role: Principal Investigator

The Biosafety and Infectious Disease Training Initiative

Funded by: The National Institute of Environmental Health Sciences (NIEHS)

Project Period: June 1, 2016-May 31, 2019, no cost extension to May 31, 2020

Role: Subcontract Principal Investigator (PI: Shawn Gibbs, PhD, MBA, CIH)

Summer Health Professions Enhancement Program (Previously the Summer Medical and Dental Program)

Funded by: The Robert Wood Johnson Foundation

Project Period: October 1, 2016-December 31, 2017

Role: Co-Investigator (PI: Karen Novak, DDS, MS, PhD)

Biosafety and Infectious Disease Training Initiative (Pilot Project)

Funded by: The National Institute of Environmental Health Sciences (NIEHS), Award No. 5U45ES019360-S1.

Project Period: May 6, 2015-July 31, 2016

Role: Co-Investigator (PI: RJ Emery)

Sustainable Solutions to Metal Air Pollution in Disadvantaged Neighborhoods

Funded by: NIEHS, Award No. 1R01ES023563

Project Period: August 11, 2014-April 30, 2019, exited project in 2016

Role: Co-Investigator (2014-2016) (PI: E Symanski)

The Southwest Center for Occupational and Environmental Health, an Education and Research Center

Funded by: The National Institute for Occupation Safety and Health (NIOSH), Award No. T42OH008421

Project Period: July 1, 2015-June 30, 2020

Roles: Director of Continuing Education (2010-2016); Center Deputy Director (2014-2016) (PI: Symanski)

Ethical Decision Making: Tools for Healthcare Providers

Funded by: The UHealth Program in Interprofessional Ethics

Project Period: January 1, 2013-May 1, 2013

Role: Principal Investigator

The Southwest Center for Occupational and Environmental Health, an Education and Research Center

Funded by: The National Institute for Occupation Safety and Health (NIOSH), Award No. T42OH008421

Project Period: July 1, 2011-June 30, 2015

Roles: Director of Continuing Education (since 2010); Center Deputy Director (since 2014) (PI: Symanski)

Hazardous Waste Worker Health and Safety Training

Funded by the National Institute of Environmental Health Sciences, Award No. 5U45ES019360

Project Period: August 1, 2010-July 31, 2015

Role: Director of Continuing Education. (PI: RJ Emery)

PUBLICATIONS

<http://www.ncbi.nlm.nih.gov/myncbi/1XGBd6ORZRI5-/bibliography/public/>

1. **Rios J**, Hacker C, Parsons R, Hailey C. (2006) Demographic and Spatial Analysis of West Nile Virus & St. Louis Encephalitis in Houston, TX. *Journal of the American Mosquito Control Association, Vol 22, No 2*. June 2006. DOI: [http://dx.doi.org/10.2987/8756-971X\(2006\)22\[254:DASAOW\]2.0.CO;2](http://dx.doi.org/10.2987/8756-971X(2006)22[254:DASAOW]2.0.CO;2). (PMID: 17019771).
2. Pourmand A, **Rios J**. (2010). "Technology and Public Health Crises" *Emergency Public Health: Preparedness and Response* (pp 131-150). Book Chapter. Ed. Kapur GB, Smith JP. Massachusetts: Jones and Bartlett Learning, LLC. ISBN-13: 978-7637-5870-7.
3. **Rios, Janelle**. (2010). An analysis of the RightCare policy at Ben Taub General Hospital, Houston, Texas. Texas Medical Center Dissertations (via ProQuest).
4. Emery RJ, Rios J, Patlovich SJ. (2015) Thinking Outside the Box: Biosafety's Role in Protecting Non-Laboratory Workers from Exposure to Infectious Disease. *Appl Biosaf*. 2015 Sep 1;20(3):128-129. doi: 10.1177/153567601502000301. PMID: 28966562; PMCID: PMC5621754.
5. Emery RJ, **Rios J**. (2016) Strategies for Navigating Common Ethical Dilemmas Encountered by Operational Radiation Safety Professionals. *Health Physics* 110(Suppl 2) S5-S8, 2016. PMCID: PMC5565262. PubMed: 26710164 DOI: 10.1097/HP.0000000000000451.
6. Emery RJ, Patlovich SJ, King K, Lowe JJ, Rios J. (2016) Comparing the established competency categories of the biosafety and infection prevention professions: a possible roadmap for addressing professional development training needs for a new era. *Appl Biosaf*. 2016 Jun;21(2):79-83. doi: 10.1177/1535676016651250. Epub 2016 May 30. PMID: 29706841; PMCID: PMC5914514.

7. Emery RJ, Gutiérrez JM. (2017) [Contextual Information for the Potential Enhancement of Annual Radiation Protection Program Review Reports](#). *Health Phys.* 2017 Aug;113(2):154-164. doi: 10.1097/HP.0000000000000691. PubMed PMID: 28658063; PubMed Central PMCID: PMC5898824.
8. EMERY RJ, **Rios J**, Patlovich SJ. (2018) Biosafety program analytics initiative for the advancement of the profession. *Appl Biosaf.* 23:2 1-3; 2018 April 11. PMCID: PMC6364831 DOI: 10.1177/1535676018767906.
9. Schwartz RM, Tuminello S, Kerath SM, **Rios J**, Lieberman-Cribbin W, Taioli E. (2018) Preliminary Assessment of Hurricane Harvey Exposures and Mental Health Impact. *Int J Environ Res Public Health.* 2018 May 13;15(5). pii: E974. PMCID: PMC5982013. doi: 10.3390/ijerph15050974.
10. Le, A.B., Brooks, E.G., McNulty, L.A., Gill, J.R., Herstein, J.J., **Rios, J.**, Patlovich, S.J., Jelden, K.C., Schmid, K. K., Lowe, J.J., Gibbs, S.G. (2018) U.S. Medical Examiner/Coroner Capabilities to Handle Highly Infectious Decedents. *Forensic Science, Medicine and Pathology*. Accepted October 2018.
11. Emery RJ, **Rios J**, Patlovich SJ. (2018) Biosafety Program Analytics Initiative for the Advancement of the Profession. *Appl Biosaf.* 2018 Jun;23(2):67-69. doi: 10.1177/1535676018767906. Epub 2018 Apr 11. PMID: 30740036; PMCID: PMC6364831.
12. Mallory Kennedy, Shannon Gonick, Hendrika Meischke, **Janelle Rios**, Nicole A Errett. (2019) Building Back Better: Local Health Department Engagement and Integration of Health Promotion Into Hurricane Harvey Recovery Planning and Implementation. *Int J Environ Res Public Health* 16 (3). 2019 Jan 23. PMCID: PMC6388212 DOI: 10.3390/ijerph16030299.
13. Aurora B Le, Erin G Brooks, Lily A McNulty, James R Gill, Jocelyn J Herstein, **Janelle Rios**, Scott J Patlovich, Katelyn C Jelden, Kendra K Schmid, John J Lowe, Shawn G Gibbs. (2018) U.S. Medical Examiner/Coroner Capability to Handle Highly Infectious Decedents. Nov 2018. *Forensic Sci Med Pathol* 15 (1), 31-40. DOI: 10.1007/s12024-018-0043-2. PMID: 30402743.
14. Jennifer A Horney, **Janelle Rios**, Adelita Cantu, Steve Ramsey, Lisa Montemayor, Loren Raun, Aubrey Miller. (2019) Improving Hurricane Harvey Disaster Research Response Through Academic-Practice Partnerships. *American Journal of Public Health.* 2019 September, 109 (9), 1198-1201. PMCID: PMC6687265. DOI: 10.2105/AJPH.2019.305166.
15. Emery RJ, **Rios J**, Becker ZB, Haltiwanger B, Patlovich SJ. (2020) Characterization of Work Settings in Which Biosafety Professionals Conduct Operations: Results from the First Survey of the Biosafety Analytics Initiative Survey Series. *Appl Biosaf.* 2020 Jun 1;25(2):90-95. doi: 10.1177/1535676020902614. Epub 2020 Jun 1. PMID: 36035082; PMCID: PMC9387738.
16. Pompeii LA, Kraft CS, Brownsword EA, Lane MA, Benavides E, **Rios J**, Radonovich LJ Jr. (2020) Training and Fit Testing of Health Care Personnel for Reusable Elastomeric Half-Mask Respirators Compared with Disposable N95 Respirators. *JAMA.* 2020 Mar 25; doi: 10.1001/jama.2020.4806. PubMed PMID: 32211889; PubMed Central PMCID: PMC7097838.
17. Emery R, Wang J, Brown B, Parker S, Inyang O, **Rios J.** (2022) Estimating average university environmental health and safety program staffing and resourcing using a series of iteratively developed evidence-based models. *J Chem Health Saf.* DOI: 10.1021/acs.chas.1c00087 February 2022.
18. Emery RJ, Patlovich SJ, King KG, Lowe JM, **Rios J.** (2022) Assessing the Established Competency Categories of the Biosafety, Infection Prevention, and Public Health Professions: A Guide for Addressing Needed Professional Development Training for the Current and Next Pandemic. *Applied*

Biosafety. 2022 Jun 1;27(2):53-57. doi: 10.1089/apb.2022.0002. Epub 2022 May 27. PMID: 36776751; PMCID: PMC9908272.

19. Emery RJ, Patlovich SJ, King KG, **Rios J.** (2022) [Pivoting the Biosafety Program in Response to COVID-19: Recommendations of Key Services and Tasks to Consider for the Next Pandemic.](#) *Appl Biosaf.* 2022 Sep 27;3, 119-126. DOI: 10.1089/apb.2022.0009. PMID: 36779201; PMCID: PMC9908274.
20. Emery RJ, Patlovich SJ, Gutierrez J, & **Rios, J.** (2022) [Considerations for Radiation Safety Professionals to Prepare and Respond to the Next Pandemic.](#) *Health Physics.* August 2022. 10.1097/HP.0000000000001602.
21. Emery RJ, Patlovich SJ, King G, **Rios J.** (2023) [A means of Codifying Safety Cross-Training Knowledge Expectations for Biosafety Professionals.](#) *Applied Biosafety* 28(1). Mar 6, 2023. DOI: [10.1089/apb.2022.0032](https://doi.org/10.1089/apb.2022.0032).
22. Clark Justin R., Terwilliger Austen, Avadhanula Vasanthi, Tisza Michael, Cormier Juwan, Javornik-Cregeen Sara, Ross Matthew Clayton, Hoffman Kristi Louise, Troisi Catherine, Hanson Blake, Petrosino Joseph, Balliew John, Piedra Pedro A., **Rios Janelle**, Deegan Jennifer, Bauer Cici, Wu Fuqing, Mena Kristina D., Boerwinkle Eric, Maresso Anthony W. (2023) [Wastewater pandemic preparedness: Toward an end-to-end pathogen monitoring program.](#) *Frontiers in Public Health* (11-2023) 21 Mar 2023. ISSN=2296-2565. DOI=10.3389/fpubh.2023.1137881.
23. Anthony Maresso, Michael Tisza, Sara Javornik Cregeen, Vasanthi Avadhanula, Ping Zhang, Tulin Ayvaz, Karen Feliz, Kristi Hoffman, Justin Clark, Austen Terwilliger, Matthew Ross, Juwan Cormier, David Henke, Catherine Troisi, Fuqing Wu, **Janelle Rios**, Jennifer Deegan, Blake Hanson, Anna Gitter, Kehe Zhang, Runze Li, Cici Bauer, Kristina Mena, Pedro Piedra, Joseph Petrosino, Eric Boerwinkle, John Balliew, Hannah Moreno, Katelyn Payne, and Wang Li. (2023) [Comprehensive Wastewater Sequencing Reveals Community and Variant Dynamics of the Collective Human Virome.](#) *Nature Communications.* 2023 Oct 28;14(1):6878. PubMed Central PMCID: PMC10613200.
24. Jeremiah Oghuan, Carlos Chavarria, Scout R. Vanderwal, Anna Gitter, Akpevwe Amanda Ojaruega, Carlos Monserrat, Cici X. Bauer, Eric L. Brown, Sara Javornik Cregeen, Jennifer Deegan, Blake M. Hanson, Michael Tisza, Hector I Ocaranza, John Balliew, Anthony W. Maresso, **Janelle Rios**, Eric Boerwinkle, Kristina D. Mena, Fuqing Wu. (2023) [Wastewater Analysis of Mpox Virus in a City with Low Prevalence of Mpox Disease: an environmental surveillance study.](#) *The Lancet Regional Health – Americas.* Vol 28, 100639 Accepted 13 Nov 2023.
25. Clark JR, Terwilliger A, Avadhanula V, Tisza M, Cormier J, Javornik-Cregeen S, Ross MC, Hoffman KL, Troisi C, Hanson B, Petrosino J, Balliew J, Piedra PA, **Rios J**, Deegan J, Bauer C, Wu F, Mena KD, Boerwinkle E, Maresso AW. (2023) [Wastewater pandemic preparedness: Toward an end-to-end pathogen monitoring program.](#) *Front Public Health.* 2023;11:1137881. PubMed Central PMCID: PMC10070845.
26. Emery, R.J., Patlovich, S.J. & **Rios, J.** (2023) [Responding to the next pandemic: Considerations for OSH professionals.](#) *Professional Safety*, Dec 2023, 68(12), 54-55.
27. Pompeii L, **Rios J**, Kraft CS, Kasbaum M, Benavides E, Patlovich SJ, Ostrosky-Zeichner L, Hornbeck A, McClain C, Fernando RD, Sietsema M, Lane M. (2024) [Health Care Workers' Comfort Ratings for Elastomeric Half Mask Respirators Versus N95 Filtering Facepiece Respirators During the COVID-19 Pandemic.](#) *Workplace Health Saf.* 2024 Apr 8:21650799241238755. doi: 10.1177/21650799241238755. Epub ahead of print. PMID: 38587354.
28. Lane M, Pompeii L, **Rios J**, Benavides E, Kasbaum M, Patlovich S, Ostrosky-Zeichner L, Hornbeck A, McClain C, Fernando R, Sietsema M, Kraft C. (2024) [Provider experiences with daily use of](#)

elastomeric half-mask respirators in health care. *Am J Infect Control*. 2024 Jul;52(7):745-750. doi: 10.1016/j.ajic.2024.01.015. Epub 2024 Jan 24. PMID: 38278304.

29. Perkison, William B., Ross Shegog, Dejian Lai, Saswati Upadhyay, Geethika Yalavarthy, Rosalia Guerrero-Luera, Patenne D. Mathews, **Janelle Rios**, Ritesh Mehta, Jeffery McLaughlin and Ismail Nabeel. (2024) Development of system-based digital decision support (“Pocket Ark”) for post-flood enhanced response coordination and worker safety: an Intervention Mapping approach. *Frontiers in Environmental Health* (2024 June 5). DOI:10.3389/fenvh.2024.1368077
30. Michael J. Tisza, Blake M. Hanson, Justin R. Clark, Li Wang, Katelyn Payne, Matthew C. Ross, Kristina D. Mena, Anna Gitter, Sara J. Javornik Cregeen, Juwan Cormier, Vasanthi Avadhanula, Austen Terwilliger, John Balliew, Fuqing Wu, **Janelle Rios**, Jennifer Deegan, Pedro A. Piedra, Joseph F. Petrosino, Eric Boerwinkle, Anthony W. Maresso. (2024) Sequencing-Based Detection of Avian Influenza A(H5N1) Virus in Wastewater in Ten Cities. *New England Journal of Medicine*. 2024-09-26 391(12): 1157-1159.

ACADEMIC COURSES

1. Infection Control and Biosafety (PH2183 and PH2132), Fall 2018, Co-instructor
2. Infection Control and Biosafety (PH2132), Fall 2019, Lead instructor

INVITED PRESENTATIONS AND PROFESSIONAL DEVELOPMENT COURSES

1. Houston STEPS, “The Benefits of a Local ERC and Future Workforce Needs”, Humble, TX, October 2011.
2. San Jacinto College “The Benefits of a Local ERC and Future Workforce Needs”, Houston, TX, March 1, 2012, n=27.
3. The University of Texas Health Science Center, Program for Safety, Health, Environment and Risk Management, “Enhancing Presentation Skills in Safety”, Houston, TX, December 7, 2012, n=20.
4. Texas College of Occupational and Environmental Medicine “Ethical Decision Making in Dual Loyalty Settings”, San Antonio, TX, May 18, 2013, n=61.
5. American Industrial Hygiene Association, National Webinar, “Ethical Decision Making for Enhancing Organizational Safety”, webcast originated from Houston, TX, August 15, 2013, n=150.
6. Greater Houston Industrial Hygiene Association, “Learning Objectives for Effective Training”, Houston, TX, December 12, 2013, n=25.
7. Wake Forest University, “Ethical Decision-Making Tools for Enhancing Organizational Safety Culture”, Winston-Salem, NC, January 23, 2014, n=48.
8. The University of Texas School of Public Health, Teacher-to-Teacher Series, “Clickers in the Classroom”, Houston, TX, March 28, 2014, n=8.
9. American College of Occupational and Environmental Medicine (ACOEM), Poster Presentation, “NIOSH Responds to Training Needs in U.S. Public Health Region 6”, Authors: Jeffrey Levin, Elaine Symanski, Vanessa Casanova, Janelle Rios and Sharon Cooper. San Antonio, TX, April 27, 2014.
10. Nova University, Webinar, “The Southwest Center for Occupational and Environmental Health”, webcast originated from Houston, TX, May 6, 2014, n=21.
11. Environmental Health and Safety Academy (40-hour intensive short course), “Safety Ethics and Safety Culture”, Houston, TX, September 18, 2014, n=20.

12. Texas Chemical Council, "Ethical Decision Making for Safety and Industrial Hygiene", Texas City, TX, September 19, 2014, n=16.
13. BASF Corporate Leadership Meeting, "The Southwest Center for Occupational and Environmental Health", Houston, TX, October 16, 2014, n=31.
14. American Industrial Hygiene Association Arkansas Local Section, "Safety Ethics and Its Relationship to Safety Culture", Little Rock, AR, December 4, 2014, n=11.
15. Greater Houston Industrial Hygiene Association, "An Overview of Solid Waste Regulations for Industrial Hygienists", Houston, TX, December 11, 2014, n=18.
16. Volpentest HAMMER Federal Training Center (U.S. Department of Energy) and NIEHS Worker Trainers' Exchange, "Ethical Decision-Making Tools for Enhancing Organizational Safety Culture", Richland, WA, March 3, 2015, n=27.
17. Semiconductor Environmental Safety and Health Association (SESHA), 37th Annual International High Technology Symposium, "Ethical Decision-Making in Dual Loyalty Settings" (expanded version), Scottsdale, Arizona, May 4, 2015, n=11.
18. National Institute of Environmental Health Sciences (NIEHS), Worker Training Program Awardee Presentation, "Biosafety and Infectious Disease Training Initiative", co-presented by Shawn Gibbs, PhD, MBA, CIH. Research Triangle Park, NC, May 28, 2015, n=~35.
19. Houston Health Forum, "Ethical Decision Making in Dual Loyalty Settings", Houston, TX, September 2, 2015, n=~25.
20. Environmental Health and Safety Academy, "Ethical Decision Making in Dual Loyalty Settings", Houston, TX, September 25, 2015, n=22.
21. Panelist and presenter, "Public Health and HAZMAT: Encouraging Collaboration", The National Institute of Environmental Health Sciences, Worker Training Program, Fall Workshop, Research Triangle Park, NC, September 29-30, 2015, n=~110.
22. Webinar to occupational medicine physicians, "Ethical Decision Making in Dual Loyalty Settings", webcast originated from Houston, TX, October 7, 2015, n=18.
23. Onsite programmatic support, Environmental Health and Safety Academy for Safety Professionals in University Settings, Knoxville, TN, October 19-20, 2015, n=32.
24. Emery RJ, Patlovich SJ, Rios J. Combined presentation: "Global Health Security, Infection Prevention and Biosafety, and Educational Opportunities of Biosafety and Infection Disease Training Initiative", Association for Professionals in Infection Control and Epidemiology (APIC) Houston Chapter Meeting, March 17, 2016, n=48.
25. Breakout Session Moderator, National Institute of Environmental Health Sciences (NIEHS) Worker Training Program 2016 Infectious Disease Workshop, September 20, 2016, Research Triangle Park, NC, n=~25.
26. UTHealth SPH Austin Regional Campus Student Association, "Resume Builder", Austin, TX, October 20, 2016, n=25.
27. Le, A.B, Rios, J., Emery, R.J., Biddinger, P.D., Patlovich, S.J., Wright, B., Beam, E., Gibbs, S.G., Lowe, J.J., Abstract 368327: Biosafety and Infectious Disease Training Initiative (BIDTI), A National Institute of Environmental Health Sciences (NIEHS) Worker Training Program (WTP), including Emergency Health Services. 144th American Public Health Association (APHA) Annual Meeting, October 29-November 2, 2016 at Denver, CO. Session 0.0: Disaster Preparedness – 3, Monday, October 31: 2:30PM-3:30PM.
28. Greater Houston Industrial Hygiene Council, "Assessment Methodologies", Houston, TX, December 8, 2016, n=24.
29. UTSPH Career Builder Workshop, "Hiring Overview", Houston, TX, February 22, 2017 (day), n=42.
30. UTSPH Career Builder Workshop, "Preparation, Professionalism and Answering the Difficult Questions", Austin, TX (via videoconference), February 22, 2017 (evening), n=19.

31. Moderator, Center for Disease Control and Prevention Regional Epidemic Intelligence Service Presentation Day, Houston, TX, March 23, 2017, n=69.
32. Career Builder Workshop, "Getting Hired", Houston, TX, April 4, 2017, n=47.
33. Environmental Health and Safety Leaders Round Table Panel Discussion, EHSentials Conference, Houston, TX, April 28, 2017, n=76.
34. Summer Health Professions Enhancement Program, "Creating a Culture of Health", a 10-hour lecture series presented in 5 segments, Houston, TX, May-June 2017, n=79.
35. Summer Health Professions Enhancement Program, Facilitator for Town Hall Discussion, June 6, 2017, n=80.
36. Texas Cultural Emergency Response Alliance, "Overview of Environmental Health and Safety Programs", Houston, TX, July 24, 2017, n=62.
37. National Institute of Environmental Health Sciences Disaster Research Response Workshop, "Harvey Response", Research Triangle Park, NC, September 19, 2017, n=81.
38. Medicine and Public Health Collaboration, "Disaster Preparedness and Response Projects", McGovern Medical School, Houston, TX, October 5, 2017, n=28.
39. National Institute of Environmental Health Sciences Worker Training Program, "An Idea for Harmonization Courtesy of Harvey", Research Triangle Park, NC, October 17, 2017, n=~85.
40. UTSPH Public Health "Practice Seminar Series: Learning Objectives", Houston, TX, April 3, 2018, n=9.
41. Environmental Health and Safety Academy, "Ethical Decision Making in Dual Loyalty Settings", Houston, TX, April 27, 2018, n=28.
42. Summer Health Professions Enhancement Program, "Creating a Culture of Health", presented 6 of a 10-hour lecture series in 3 segments, Houston, TX, June 2018, n=80.
43. Environmental Health and Safety Academy, "Ethical Decision Making in Dual Loyalty Settings", Houston, TX, September 28, 2018, n=25.
44. Center for Homeland Defense and Security, Radiological Emergency Preparedness Executive Education Program, "Compelling Display of Data", Post Graduate Naval Institute, Monterey Bay, CA, October 16, 2018, n=34.
45. Environmental Health and Safety Academy Light for the University of Louisville, "Ethical Decision Making in Dual Loyalty Settings", Louisville, KY, October 29, 2018, n=31.
46. Disaster Research Training Workshop, "Effectively Communicating Health and Safety Information", (with S. Patlovich, DrPH), Texas A&M Superfund Research Center, College Station, TX, December 17, 2018, n=58.
47. Disaster Research Training Workshop, "Risk Communication: Town Hall Table Top Exercise", Texas A&M Superfund Research Center, College Station, TX, December 1, 2018, n=13.
48. "Communicating Toxicology", Texas A&M, College Station, TX, March 29, 2019, n=9.
49. Earth Day Tour of Green Roof, UTHealth School of Public Health, Houston, TX, April 18, 2019, n=62.
50. Volunteer Organizations After Disasters National Conference, "Everyone Goes Home Safe", Nashville, TN, May 8, 2019, n=27.
51. Summer Health Professions Enhancement Program, "Creating a Culture of Health", a 6-hour lecture series presented in 3 segments, Houston, TX, May-June 2019, n=80.
52. American Geophysical Union, "Surging Waters: Science Empowering Communities in the Face of Flooding". Two briefings – Telepresser with media (AM) and Capitol Hill briefing (PM), September 24, 2019, n=~65.
53. Southern Biosafety Association, "Training Resource and Activities of the P2R Consortium", Dallas, TX, November 8, 2019, n=23.

54. El Paso Hispanic Chamber of Commerce, "Construction and COVID-19: Staying Safe on the Job Site", webinar panelist, April 16, 2020, n=92.
55. Workplace Learning System, "COVID-19: Return to Work Best Practices and the 'New Normal'", webinar, presenter, May 12, 2020, n=27.
56. Reopen Texas the Right Way webinar series (total n=869) in collaboration with the Houston Area Safety Council, panelist:
 - Focus on retail industry, May 20, 2020, n=140
 - Focus on restaurant industry, May 27, 2020, n=121
 - Focus on construction and manufacturing industries, June 3, 2020, n=165
 - Focus on places of worship, June 10, 2020, n=108
 - Focus on mental health and employee resilience, June 17, 2020, n=168
 - Focus on personal care establishments, June 24, 2020, n=74
 - Focus on non-hospital healthcare, July 1, 2020, n=93
57. Campus Safety Health Environment Management Association, "Preparing Colleges and Universities for Financial Consequences of COVID-19 Pandemic", resource panelist, June 25, 2020, n=75.
58. JASON educational (K-12) conference, panelist, online, July 7, 2020, n=134.
59. The School Superintendents Association (AASA), panelist, July 28, 2020, n=19.
60. American Society of Safety Professionals, panelist, September 16, 2020, n=159.
61. NIH/National Institute of Environmental Health Sciences, "Climate Environment, and Health Seminar Series: Ensuring Equitable Response to Climate-Related Disasters During the COVID-19 Pandemic", September 29, 2020, n=266.
62. COVID-19 and Worker Health Webinar Series for Dairy Producers
 - Panelist, November 12, 2020
 - Panelist, November 19, 2020
 - Panelist, November 20, 2020
63. El Paso Hispanic Chamber of Commerce, "Battling COVID-19", December 1, 2020, n=892 (92 Zoom, 811 social media views).
64. NIH/National Institute of Environmental Health Sciences, "Environmental Justice and Natural Disasters Town Hall – East Coast", presenter and breakout session facilitator, February 3, 2021, n=~120.
65. NIH/National Institute of Environmental Health Sciences, "Environmental Justice and Natural Disasters Town Hall – Gulf Coast", breakout session facilitator, March 8, 2021, n=~135.
66. Environmental Health and Safety Academy, "Ethical Decision Making in Dual Loyalty Settings", Houston, TX, April 19, 2021, n=34.
67. University of Iowa and UTHealth "A Collaborative Discussion about Safety Metrics", moderator, April 27, 2021, n=~21.
68. 40-hour Hazardous Waste Operations and Emergency Response (HAZWOPER) course, co-instructor, Burnett County, Texas, week of July 12, 2021, n=19.
69. 40-hour Hazardous Waste Operations and Emergency Response (HAZWOPER) course, co-instructor, Edinburg, Texas, week of August 9, 2021, n=11.
70. El Paso COVID-19 Recovery Project Update, presenter, NIEHS Worker Training Program Awardee Meeting, Online, October 19, 2021, n=124.
71. NIEHS Worker Training Program Fall Workshop, "Setting the Stage: Experience with Partnerships", panelist, Online, October 20, 2021, n=120.
72. In Remembrance of September 11, 2001: 20 emergency management lessons learned that can be applied to the COVID-19 pandemic, Online, in collaboration with the Charlotte Safety and Health School, moderator, October 21, 2021, n=51.

73. SPH Green Roof Tour for NASA, Houston, November 5, 2021.
74. 2021 Disaster Research Training Workshop, "Risk Communication" tabletop exercise at Texas A&M University, College Station, December 3, 2021, n=21.
75. NASA 2022 KBR Zero Harm Day, "Global Health Security: A Texas Twist with Opportunities for Safety Professionals", Online, February 16, 2022, n=193 in 2 back-to-back sessions.
76. U.S. Customs and Border Patrol, "Biomaterials Import and Export", moderator, Online, February 22, 2022, n=69.
77. 2022 Higher Education Risk Management Conference, "Ethical Decision-Making in Safety", presenter, San Antonio, TX, April 11, 2022, n=55.
78. Southern Biosafety Association Spring Symposium 2022, "An Introduction to the Texas Epidemic Public Health Institute", presenter, online April 29, 2022, n=82.
79. 40-hour Hazardous Waste Operations and Emergency Response (HAZWOPER) course, co-instructor, Edinburg, TX, week of May 16, 2022, n=20.
80. TEPHI Talks: Anticipating and Responding to the COVID-19 Pandemic: Lessons from a Major Texas Grocer (H-E-B). Moderator, Online, May 25, 2022, n=249 (127 live audience; 122 viewers).
81. Texas Public Health Summit 2022: Fostering Trust Through Effective Communication. Organizer and moderator for online audience, hybrid event: online and Houston, TX, July 14, 2022, n=~317 (~97 in person and 220 online).
82. TEPHI Talks webinar, Pandemic Impact on Supply Chains: An interview with Office Depot", Q&A moderator, online, August 2, 2022, n=28.
83. US Public Health Service, "Risk Assessment", Deploy – Safety Academy for Field Experiences (D-SAFE), Omaha, NE, August 30, 2022, n=39.
84. US Federal Bureau of Investigations, Community Unified Response to Radiological Incidents and Emergencies, Tabletop Exercise, organizer, Houston, TX, August 31, 2022, n=107.
85. 40-hour Hazardous Waste Operations and Emergency Response (HAZWOPER) course, with 8-hour refresher add-ons, co-instructor, Burlington, VT, week of September 12, 2022, n=12.
86. 40-hour Hazardous Waste Operations and Emergency Response (HAZWOPER) course, co-instructor, Houston, TX, week of October 3, 2022, n=5.
87. TEPHI Talks webinar, "Public Health Law: Business Preparedness and Operations", Q&A moderator, online, October 5, 2022, n=124.
88. National Institute of Environmental Health Sciences (NIEHS) Worker Training Program (WTP) Fall 2022 Workshop, Research Triangle Park, NC:
 - Facilitator, Engagement with Small Businesses and Associations Breakout Session. October 21, 2022, n=~30.
 - Panelist, The Changing Landscape of HAZWOPER Training, Part 2. Focus: The Importance of Using the Hierarchy of Controls for Infectious Disease Protection. October 21, 2022, n=~70.
89. UTHealth Houston School of Public Health Student Epidemic Intelligence Service (SEIS); presenter, *TEPHI Overview*, Online, October 24, 2022, n=5.
90. Southeast Texas Regional Advisory Council (SETRAC) Preparedness Coalition Symposium. Presenter, The Texas Epidemic Public Health Institute. Galveston, TX, November 3, 2022, n=~100.
91. Texas Epidemic Public Health Institute (TEPHI) Community Engagement 2-Day Boot Camp for Pandemic Preparedness. Delivered closing remarks, December 2, 2022, n=22.
92. TEPHI Talks: McKesson Medical Supply. Moderator, Online, December 6, 2022, n=202 (71 live audience; 131 viewers).
93. 40-hour Hazardous Waste Operations and Emergency Response (HAZWOPER) course, with 8-hour refresher add-ons, co-instructor, Milwaukee, WI, week of January 9, 2023, n= [REDACTED].

94. UTHealth Houston Center for Health Care Data at Health Museum, presenter, *TEPHI Overview*, Houston, TX, January 25, 2023, n=33.
95. Taste of Science Seminar, Panelist, Using Wastewater Science, January 26, 2023, n=38.
96. Texas Chemical Council, Industrial Health Committee, Texas Epidemic Public Health Institute Overview, Presenter, Online, February 3, 2023, n=20.
97. Health and Safety Council (formerly the Houston Area Safety Council) Tailgate Extravaganza, Informational Table, February 10, 2023.
98. TEPHI Talks: Dell Technologies' Workplace Transformation in Response to COVID-19. Moderator, Online, February 16, 2023, n=144 (live audience; 78 viewers).
99. Houston Community College, West Campus, TEPHI Overview, presenter, Houston, TX, March 3, 2023, n=13.
100. UTHealth Houston Pandemic Hotwash, Presenter and Facilitator, Houston, TX, May 2, 2023, n=43.
101. TEPHI Certificate Program, UTHealth Houston Clinic Leadership Meeting, TEPHI and Healthcare, presenter, May 10, 2023, n=229.
102. Hazardous Waste Operations and Emergency Response (HAZWOPER) 40-hour course. Co-Instructor. DeKalb, IL, Week of May 15, 2023, n=12.
103. Hazardous Waste Operations and Emergency Response (HAZWOPER) 40-hour course. Co-Instructor. Edinburg, TX, Week of May 22, 2023, n=14.
104. Houston Community College, TEPHI Overview (for students), presenter, Online from Houston, TX May 31, 2023, n=18.
105. TEPHI Talks: Texas International Produce Association; moderator, online from Houston, TX; June 13, 2023; n=149.
106. Webinar Assessment of Elastomeric Respirators in Healthcare Delivery: Randomized-controlled Elastomeric Studies with PCR Technology: Disinfection Safety and Effectiveness (RESPonSE), CDC-funded Just-in-Time Elastomeric Fit Testing and Training (JET FIT) project, co-author, Online, July 11, 2023, n=~180.
107. Webinar Assessment of Elastomeric Respirators in Healthcare Delivery: Routine Elastomeric Use and Evaluations in Healthcare (REUsE), CDC-funded Just-in-Time Elastomeric Fit Testing and Training (JET FIT) project, co-author, Online, July 11, 2023, n=~210.
108. UTHealth Houston Pandemic Hotwash Results, UTHealth Houston Safety Council, co-author Online, July 20, 2023, n=35.
109. TEPHI Talks: Overview of the Texas Restaurant Industry. Moderator, Online, August 22, 2023, n=61.
110. COHS Symposium: Introduction to TEPHI, co-presenter, Sam Houston State University, The Woodlands, TX, September 7, 2023, n=17.
111. National Institute of Environmental Health Sciences (NIEHS) Worker Training Program (WTP) Fall 2023 Workshop, Breakout Session Moderator, Research Triangle Park, NC. October 18-19, 2023.
112. Texas Public Health Summit 2023 (Theme: Wastewater Science), Organizer and emcee; hybrid event: online and Houston, TX, October 19, 2023; n=~348 (76 in person and 272 online).
113. Collegium Ramazzini (International Conference on the Environment, Work and Health in the 21st Century: Strategies and Solutions to a Global Crisis), presenter, *Resiliency and Climate Change*; Bologna, Italy; October 25, 2023; n=46 (in-person, online audience unknown).
114. Texas Continuity Council, presenter, *TEPHI Overview*; online via Zoom; November 16, 2023; n=21.
115. American Public Health Association (APHA), co-author for presentation *COVID-19 Risk Assessment among Vulnerable Small Business Owners in El Paso County, Texas*. Atlanta, GA; November 12-15, 2023.

116. Houston Community College, Community College Student Alliance (infectious disease science club), visit to UTHealth Houston SPH; November 17, 2023; n=5.
117. Exploring Local Community Resilience Imaginaries conference at The University of Texas Rio Grande Valley (UTRGV), Edinburg, TX November 28, 2023, presenter, opening remarks, n=96.
118. TEPHI Talks: Impacts on COVID-19 on a Large Multi-National Company and Related Future Planning; December 12, 2023; online via Teams, originated in Houston, TX; n=65.
119. 40-hour Hazardous Waste Operations and Emergency Response (HAZWOPER) course, with 8-hour refresher add-ons, co-instructor, Milwaukee, WI, week of January 7, 2024, n=14.
120. Institute for Homeland Security, panel presenter, *Mass Casualty Preparedness and Response: Pathogens, Pandemics, Wastewater, and Population Health*, Sam Houston State University; Conroe, TX; February 2, 2024; n=27.
121. Higher Education Risk Management Conference, presenter, *Global Health Security with a Texas Twist*; Galveston, TX; April 16, 2024; n=28.
122. National Institute of Environmental Health Sciences (NIEHS) Worker Training Program (WTP) Spring 2024 Workshop, Breakout Session Moderator; May 1-2, 2024; Washington, DC.
123. 40-hour Hazardous Waste Operations and Emergency Response (HAZWOPER) course, with 8-hour refresher add-ons, co-instructor, Milwaukee, WI, week of May 13, 2024; n=8.
124. State Office of Risk Management (SORM) Symposium, presenter, *Global Health Security with a Texas Twist*; Conroe, TX; August 2, 2024; n=~23.
125. Diasorin/Luminex EHS Summit 2024, presenter, *Ethical Decision-Making Tools for Enhancing Org. Safety Culture*; online via Teams; August 9, 2024; n=4.
126. Southern Biosafety Association (SBA)-AMEXBIO International Symposium; presenter, *Global Health Security with a Texas Twist*; El Paso, TX; August 15, 2024; n=57.
127. Texas Public Health Summit 2024 (Theme: Zoonotic Diseases), Organizer and emcee; hybrid event: online and Houston, TX; September 25, 2024; n=521 (175 in-person, 346 online).

AWARDS

Association of Schools and Programs of Public Health (ASPPH) Harrison C. Spencer Outstanding Community Service Award 2023 – Led the application team. This award recognizes the commitment of UTHealth Houston School of Public Health and the Texas Epidemic Public Health Institute (TEPHI) in prioritizing a healthy Texas population and a strong Texas economy. This award was presented to Dean Boerwinkle at the annual awards luncheon in Washington DC on March 16, 2023.

GUEST LECTURES IN ACADEMIC COURSES

1. UTSPH PH2110 Overview of Environmental Health Solid, “Solid and Liquid Wastes”, telecast from Houston campus, October 25, 2012.
2. UTSPH PH2110 Overview of Environmental Health Solid, “Solid and Liquid Wastes”, telecast from Houston campus, October 2013.
3. UTSPH PH3715 Introduction to Management and Policy Sciences, Community Health Safety and Preparedness Module, Ethical Decision Making and Public Health Leadership, June 17, 2014, telecast from Houston, n>50.
4. UTSPH PH2110 Overview of Environmental Health, “Solid and Liquid Wastes”, telecast from Houston campus, November 6, 2014, n=~35.
5. UTSPH PHM 2498 Infection Prevention and Biosafety, “An Introduction to the Biosafety and Infectious Disease Training Initiative”, August 31, 2015.

6. UTSPH PH2110 Overview of Environmental Health, "Solid and Liquid Wastes", telecast to remote campuses from Houston, TX, November 12, 2015, n=75.
7. UTSPH Capstone, "Career Builder: Resumes and Cover Letters", Houston, TX, October 14, 2016, n=~25.
8. UTSPH PH2110 Overview of Environmental Health, "Solid and Liquid Wastes", telecast to 5 campuses from Houston, October 27, 2016, n=60.
9. UTHealth SPH Dietetic Internship Program, "Hiring Overview", Houston, TX, April 10, 2017, n=~10.
10. UTHealth SPH Capstone Course (Instructor: G. Gemeinhardt), "Career Builder: Getting Hired (Abridged)", Houston, TX, telecast to remote campuses from Houston, April 12, 2017, n=~35.
11. UTHealth SPH Capstone (Instructor: G. Delclos), "Career Builder: Getting Hired (Abridged)", Houston, TX, telecast to remote campuses from Houston, April 13, 2017, n=~35.
12. UTHealth SPH PH1433 Health Promotions and Behavioral Sciences Research Seminar (Instructor: S. Vernon), "The Practicum", Houston, TX, telecast to remote campuses from Houston, April 24, 2017, n=~20.
13. UTHealth SPH Summer Capstone Course (Instructors: W Taylor and A Carson), "Career Management", Houston, TX, telecast to remote campuses from Houston, May 23, 2017, n=~35.
14. UTHealth SPH PH2110 Overview of Environmental Health, "Solid and Liquid Wastes", telecast from Houston campus, October 26, 2017, n=48.
15. UTHealth SPH PH 1433/34 Health Promotions and Behavioral Sciences Research Seminar (Instructor: S. Vernon), "The Practicum Experience", Houston, TX, telecast to remote campuses from Houston, December 4, 2017, n=~25.
16. UTHealth SPH PH 1433/34 Health Promotions and Behavioral Sciences Research Seminar (Instructor: S. Vernon), "The Practicum Experience", Houston, TX, telecast to remote campuses from Houston, April 30, 2018, n=16.
17. UTHealth Dietetic Internship Program, Interviewing Skills Workshop, Houston, TX, January 8, 2019, n=15.
18. UTHealth SPH PH 1433/34 Health Promotions and Behavioral Sciences Research Seminar (Instructor: S. Vernon), "The Practicum Experience", Houston, TX, telecast to remote campuses from Houston, April 29, 2019
19. UTHealth SPH PH 1433/34 Health Promotions and Behavioral Sciences Research Seminar (Instructor: S. Vernon), "The Practicum Experience", Houston, TX, telecast to remote campuses from Houston, December 2, 2019, n=15.
20. UTHealth SPH Environmental and Occupational Health Seminar Course, "Ethical Decision Making in Dual Loyalty Settings", Houston, TX, March 22, 2021, n=24.
21. University of Utah Occupational Health Management Course, "Ethical Decision Making in Dual Loyalty Settings", April 7, 2021, n=18.
22. UTHealth SPH Environmental and Occupational Health Seminar Course, "Ethical Decision Making in Dual Loyalty Settings", Houston, TX, March 28, 2022, n=25.
23. University of Utah Occupational Health Management Course, "Ethical Decision Making in Dual Loyalty Settings", Online, March 28, 2022, n=17.
24. UTHealth SPH Health and Program Safety Management course, asynchronous recording, "Ethical Decision Making in Dual Loyalty Settings", Spring 2024.

SCIENTIFIC REVIEW ACTIVITIES

1. Reviewer, Scientific Review Panel, National Institute of Environmental Health Sciences (NIEHS), P42 Superfund Hazardous Substances Research and Training Review Committee, October 23-25, 2013, Chapel Hill, NC.

2. Reviewer, Scientific Review Panel, National Institute for Occupational Safety and Health (NIOSH), Cooperative Research Agreements for NIOSH Centers of Excellence for Total Worker Health (<http://grants.nih.gov/grants/guide/pa-files/PAR-15-361.html>), March 15-17, 2016, Pittsburgh, PA.
3. Reviewer, Special Emphasis Panel, Centers for Disease Control and Prevention, National Institute of Occupational Safety and Health, Education and Research Centers, February 11-13, 2019, Alexandria, VA.
4. Reviewer, 2024 Harrison C. Spencer Outstanding Community Service Award, Association of Schools and Programs of Public Health (ASPPH).
5. Reviewer, Special Emphasis Panel, National Institute for Occupational Safety and Health (NIOSH), RFA -OH-23-003 Education and Research Centers; February 26-27, 2024.

OTHER SERVICE ACTIVITIES

1. Panelist, Community Partners Session, Harris County Public Health Accreditation Site Visit, January 11, 2017.
2. Member, Texas Department of State Health Services, Texas Public Health Practice Committee, Summer 2016-2021.
3. Contributor, COVID-19 Supplement to HazPrep Phase II, InXsol, July 1, 2020-June 30, 2022.
4. Member, NIEHS Disaster Research Response (DR2) Committee
 - a. Executive Committee, Spring 2021-April 2022
 - b. Community Engagement Subcommittee, Fall 2018-April 2022
5. Final Panel Judge, UTHealth Houston Healthcare Innovation Challenge 2022. Houston, TX, February 19, 2022
6. Southwest Center for Occupational and Environmental Health (SWCOEH), Occupational Journal Club, Host, January 18, 2024, hybrid, n=~17.

CERTIFICATES AND MEMBERSHIPS

- CITI Record No. 49909709, Humans Research Curriculum Group, Expires August 18, 2026.
- American Public Health Association
- Texas Public Health Association