

Micaela Sandoval, MPH, PhD

EPIDEMIOLOGY · INFECTIOUS DISEASE · DIVERSITY, EQUITY, INCLUSION

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Education

University of Texas Health Science Center	PHD, EPIDEMIOLOGY (BIostatistics & Infectious Disease)	2021
Texas A&M University Health Science Center	MASTER OF PUBLIC HEALTH, EPIDEMIOLOGY CONCENTRATION	2017
Auburn University	B.S. ZOOLOGY, PRE-MEDICAL/PRE-VETERINARY CONCENTRATION	2014

Honors & Awards

UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER SCHOOL OF PUBLIC HEALTH

2023	Modelers and Storytellers Scholarship , UCLA Fielding School of Public Health	Los Angeles, CA
2021	COVID-19 Positive Impact Scholarship , UTHealth Student InterCouncil	Houston, TX
2020	Infectious Disease Statistics and Modeling Scholarship , University of Washington School of Public Health	Seattle, WA
2020	Global Health Committee Mentorship Program , American Society of Tropical Medicine & Hygiene	Houston, TX
2019	This is Public Health Ambassador , Association of Schools and Programs of Public Health	Houston, TX
2019	R. Palmer Beasley Global Health Travel Award , UTHealth School of Public Health	Houston, TX
2019	People with AIDS International Public Health Scholarship , UTHealth School of Public Health	Houston, TX

TEXAS A&M UNIVERSITY SCHOOL OF PUBLIC HEALTH

2017	Delta Omega Honor Society , Texas A&M School of Public Health	College Station, TX
2017	Phi Kappa Phi Honor Society , Texas A&M School of Public Health	College Station, TX
2017	This is Public Health Award , Texas A&M School of Public Health	College Station, TX
2016	Ambassador , Texas A&M School of Public Health	College Station, TX
2016	Glasscock-Cushings Graduate Research Award in Humanities , Texas A&M College of Liberal Arts	College Station, TX
2015	HRSA Public Health Traineeship Scholarship , Texas A&M School of Public Health	College Station, TX

AUBURN UNIVERSITY COLLEGE OF SCIENCE & MATHEMATICS

2014	Honors Scholar , Auburn University Honors College	Auburn, AL
2010	College of Science & Mathematics Scholarship , Auburn University	Auburn, AL
2010	Academic Presidential Scholarship , Auburn University	Auburn, AL
2010	National Merit Scholarship , Auburn University	Auburn, AL
2010	National Hispanic Scholarship , Auburn University	Auburn, AL

Work History

UTHealth SPH Dept. of Epidemiology

ASSISTANT PROFESSOR

Center for Infectious Diseases

Houston, TX

February 2024 - Present

UTHealth SPH Dept. Epidemiology, Human Genetics, & Environmental Science

POSTDOCTORAL RESEARCH FELLOW

Supervisor: Dr. Eric Boerwinkle

Houston, TX

January 2022 - 2024

Houston Methodist Hospital Research Institute

RESEARCH ASSISTANT

Supervisor: Dr. Edward Graviss

Houston, TX

October 2019 - 2022

Baylor College of Medicine & Texas Children's Hospital

RESEARCH COORDINATOR

Supervisor: Dr. Anna Mandalakas

Houston, TX

November 2019 - 2022

UTHealth SPH Dept. Epidemiology, Human Genetics, & Environmental Science

GRADUATE RESEARCH ASSISTANT

Southeast Texas COVID-19 Cohort Project

Houston, TX

March 2021 - 2022

GRADUATE RESEARCH ASSISTANT

Prevent Anal Cancer Self-Swab Study

2018 - 2019

GRADUATE TEACHING ASSISTANT

2018-2019

George Mason University Center for Applied Proteomics and Molecular Medicine

TRAINEE

Visiting Trainee, Liotta Lab

Fairfax, Virginia

2019

Johns Hopkins University Bloomberg School of Public Health

TRAINEE

Trainee, Chagas Working Group in Bolivia

Santa Cruz de la Sierra, Bolivia

2017

Texas A&M University Dept. of Engineering Technology & Industrial Distribution

GRADUATE RESEARCH ASSISTANT

Famine to Feast multidisciplinary service learning program

College Station, TX

2017

Texas A&M University SPH Dept. of Epidemiology & Biostatistics

GRADUATE RESEARCH ASSISTANT

Epidemiology Department

College Station, TX

2016

Baylor College of Medicine National School of Tropical Medicine

PRACTICUM

Houston, TX

2017

Texas A&M University Cushing Memorial Library

GLASSCOCK FELLOW

College Station, TX

2016

Publications

- 2025
- Sandoval, M.N., Klawans, M.R., Bach, M.A. et al. COVID-19 infection history as a risk factor for early pregnancy loss: results from the electronic health record-based Southeast Texas COVID and Pregnancy Cohort Study. BMC Med 23, 274 (2025).
- 2025
- Sandoval MN, Moore LW, Huang HJ, Graviss EA. Long COVID risk factors and outcomes among solid organ transplant recipients: a retrospective cohort study. Front Surg. 2025 Aug 25;12:1602167.
- 2024
- Sharma SV, McPherson H, Sandoval M, Goodman D, Paret C, Mahata K, Husain J, Gallagher J, Boerwinkle E. Design and Framework of a Technology-Based Closed-Loop Referral Project for Care Coordination of Social Determinants of Health. Popul Health Manag. 2024 Dec;27(6):390-396.
- 2024
- Sandoval MN, McClellan SP, Pont SJ, Ross JA, Swartz MD, Silberman MA, Boerwinkle E. Prozone masks elevated SARS-CoV-2 antibody level measurements. PLoS One. 2024 Mar 28;19(3):e0301232.
- 2024
- Sandoval MN, Mikhail JL, Fink MK, Tortolero GA, Cao T, Ramphul R, Husain J, Boerwinkle E. Social determinants of health predict readmission following COVID-19 hospitalization: a health information exchange-based retrospective cohort study. Front Public Health. 2024 Mar 27;12:1352240.
- 2023
- Sandoval M, Mtetwa G, Devezin T, Vambe D, Sibanda J, Dube GS, Dlamini-Simelane T, Lukhele B, Mandalakas AM, Kay A. (2023) Community-based tuberculosis contact management: Caregiver experience and factors promoting adherence to preventive therapy. PLOS Global Public Health 3(7): e0001920.
- 2022
- Sandoval M, Nguyen DT, Huang HJ, Yi SG, Ghobrial RM, et al. (2022) COVID-19 mortality may be reduced among fully vaccinated solid organ transplant recipients. PLOS ONE 17(12): e0279222.
- 2021
- Sandoval M, Nguyen DT, Vahidy FS, Graviss EA (2021) Risk factors for severity of COVID-19 in hospital patients age 18–29 years. PLOS ONE 16(7): e0255544

2021

- Nyitray AG, Schick V, Swartz MD, Giuliano AR, Fernandez ME, Deshmukh AA, Ridolfi TJ, Ajala C, Brzezinski B, Sandoval M, Nedjai B, Smith JS, Chiao EY. Rationale and design of the Prevent Anal Cancer Self-Swab Study: a protocol for a randomised clinical trial of home-based self-collection of cells for anal cancer screening. *BMJ Open* 2021;11:e051118

2021

- Kay AW*, Sandoval M*, Mtetwa G, Mkhabela M, Ndlovu B, Devezin T, Sikhondze W, Vambe D, Sibanda J, Dube GS, Stevens RH, Lukhele B, Mandalakas AM. Vikela Ekhasya: A Novel, Community-based, Tuberculosis Contact Management Program in a High Burden Setting, *Clinical Infectious Diseases*, 2021

2020

- Gunter SM, Ronca SE, Sandoval M, Coffman K, Leining L, Gorchakov R, Murray KO, & Nolan MS (2020). Chagas Disease Infection Prevalence and Vector Exposure in a High-Risk Population of Texas Hunters, *The American Journal of Tropical Medicine and Hygiene*, 102(2), 294-297.

2020

- Sandoval M, Swamy, P., Kay, A. W., Alonso, P. U., Dube, G. S., Hlophe-Dlamini, H., & Mandalakas, A. M. (2020). Distinct Risk Factors for Clinical and Bacteriologically Confirmed Tuberculosis among Child Household Contacts in a High-Burden Setting, *The American Journal of Tropical Medicine and Hygiene*, 103(6), 2506-2509

2018

- Sandoval, M., Ray, S. M., Maddock, J. E., & McKyer, L. (2018, March). Diversity in US Schools and Programs of Public Health: an Analysis of the Sociodemographic Makeup of Student and Faculty Populations. In 2018 ASPPH Annual Meeting (March 7-9) and the 2018 Undergraduate Public Health and Global Health Education Summit (March 7). ASPPH.

2017

- Sandoval, M., Natarajarathinam, M., Holder, L. N., McDougal, M. K., Campbell, M. E., & Herbert, B. E. (2017, June). Engagement in Practice: Building service focused multidisciplinary groups to develop adaptable solutions. In 2017 ASEE Annual Conference & Exposition.

Leadership & Service

UTHealth Diversity, Equity, & Inclusion Council

STUDENT REPRESENTATIVE

2021 - 2022

- Develops diversity, equity, and inclusion programming and policy for UTHealth

UTHealth Student InterCouncil

CHAIR, DIVERSITY & INCLUSION COMMITTEE, SECRETARY, MEMBER AT LARGE

2018 - 2020

- Founder and Chair, Diversity & Inclusion Committee
- Collaborated with students from Schools of Medicine, Dentistry, Biomedical Informatics, Biomedical Science, & Nursing to develop policies

UTHealth Diversity & Inclusion Task Force

CHAIR, STUDENT & TRAINEE COMMITTEE

2020 - 2021

- Lead student & trainee representatives in the development of diversity, equity, & inclusion policy recommendations for UTHealth

The COVID Tracking Project by the Atlantic

PRO BONO CONSULTANT

2020 - 2021

- Provided epidemiology and data science recommendations to support real-time national COVID-19 data curation and validation

ASTMH Diversity and Respect Task Force

TRAINEE REPRESENTATIVE

2020 - 2022

- Contributes to development, implementation, and evaluation of diversity initiatives for the American Society of Tropical Medicine & Hygiene

Texas A&M Epidemiology Student Organization

PRESIDENT

2016 - 2017

- Created relevant educational programming and network opportunities for Epidemiology students

Texas A&M EpiAssist program

STUDENT LEADER

2016 - 2017

- Partnered with state and local health agencies to assist with CASPERs, outbreak investigations, and statistical analyses