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PROFESSIONAL APPOINTMENTS

Assistant Professor-In-Residence (Step II)

Feb 2021 – Present

University of California, Los Angeles David Geffen School of Medicine
Division of General Internal Medicine and Health Services Research

EDUCATION AND TRAINING

Postdoctoral Research Fellow

Aug 2018 – Jan 2021

Stanford University School of Medicine, Palo Alto, CA
Faculty Mentor: Keith Humphreys, PhD

PhD, Epidemiology

University of California, Los Angeles, June 2018

Dissertation Title: *How substance use, health insurance, and social determinants of health affect the HIV prevention continuum in Los Angeles, CA: Focus on Pre-Exposure Prophylaxis (PrEP) and Treatment as Prevention*

Dissertation Chair: Pamina M. Gorbach, MHS, DrPH

BA, English

Harvard College, May 2011

Thesis Title: *Secondhand Miracles* / Foreign Language Citation in Mandarin Chinese

PEER-REVIEWED PUBLICATIONS (36 total)

Original research (31 total)

1. Rosen A, Beltran J, Thomas EH, Miller J, Robie B, Walseth S, Backes S, Leachman N, Chang AH, Bratcher A, Frederes A, Romero R, Beas I, Alvarado J, Cruz B, Tabajonda M, **Shover CL**. COVID-19 vaccine acceptability and financial incentives among unhoused people in Los Angeles County: a three-stage field survey. *J Urban Health*. In press.
2. Chang AH, Kwon J, **Shover CL**, Greenwell L, Gomih A, Blake J, DelRosario A, Wolahan S, Jones P, Fisher R, Balter S, Brosnan H. COVID-19 Mortality Rates in Los Angeles County among People Experiencing Homelessness, March 2020 through February 2021. *Pub Health Reports*. In press.
3. Friedman J, Godvin M, **Shover CL**, Gone JP, Hansen H, Schriger DL. Trends in Drug Overdose Deaths Among US Adolescents, January 2010 to June 2021. *JAMA*. 2022 Apr 12;327(14):1398-1400. doi: 10.1001/jama.2022.2847.

4. Choi K, Romero R, Guha P, Sixx G, Rosen A, Frederes A, Beltran J, Alvarado J, Robie B, Richard L, Coleman A, Rice A, Rosales M, Baez A, Thomas E, **Shover CL**. "Community Health Worker perspectives on engaging unhoused Peer Ambassadors for COVID-19 vaccine outreach in homeless encampments and shelters." *J Gen Intern Med*. 2022 Apr 11;1-7. doi: 10.1007/s11606-022-07563-9. Online ahead of print. PMID: 35411533
5. Friedman J, Montero Castillo F, Bourgois P, Wahbi R, Dye D, Goodman-Meza D, **Shover CL**. Xylazine Spreads Across the US: A Growing Component of the Increasingly Synthetic and Polysubstance Overdose Crisis. *Drug Alcohol Depend*. 2022 Apr 1;233:109380. doi: 10.1016/j.drugalcdep.2022.109380. Epub 2022 Feb 26.
6. Humphreys K, **Shover CL**, Andrews CM, Bohnert ASB, Brandeau ML, Caulkins JP, Chen JH, Krebs EE, Lembke A, Mackey SC, Ouellette LL, Suffoletto B, Timko C. Responding to the Opioid Crisis in North America: Recommendations of the Stanford-Lancet Commission. *The Lancet*. 2022 Feb 5;399(10324):555-604. doi: 10.1016/S0140-6736(21)02252-2. Epub 2022 Feb 2. PMID: 35122753.
7. Leifheit KM, Chaisson LH, Medina JA, Wahbi RN, **Shover CL**. Elevated mortality among people experiencing homelessness with COVID-19. *Open Forum Infect Dis*. 2021 Jun 4;8(7):ofab301. doi: 10.1093/ofid/ofab301. eCollection 2021 Jul. PMID: 34291120
8. Chen D, Watson R, Caputi T, **Shover C**. Proportion of U.S. clinics offering LGBT-tailored mental health services decreased over time: a panel study of the National Mental Health Services Survey. *Ann LGBTQ Public Popul Health*. 2021;2(3):174-184. doi: 10.1891/lgbtq-2020-0071. PMID: 34901933
9. Fulcher J, Javanbakht M, **Shover C**, Ragsdale A, Brookmeyer R, Shoptaw S, Gorbach P. Comparative impact of methamphetamine and other substance use on viral suppression among sexual minority men on ART. *Drug Alcohol Depend*. 2021 Apr 1;221:108622. doi: 10.1016/j.drugalcdep.2021.108622. Epub 2021 Feb 16.
10. **Shover C**, Falasinnu T, Dwyer C, Benitez Santos N, Cunningham N, Freedman R, Vest N, Humphreys K. Steep increases in fentanyl-related mortality west of the Mississippi River. *Drug Alcohol Depend*. 2020 Nov 1. doi:10.1016/j.drugalcdep.2020.108314
11. **Shover C**, Falasinnu T, Freedman R, Humphreys K. Emerging characteristics of isotonitazene-involved overdose deaths: a case-control study. *J Addict Med*. 2020 Nov 23. doi:10.1097/ADM.00000000000007
12. Shover C. Availability of extended-release buprenorphine to treat opioid use disorder for Medicaid-covered population. *Psychiat Serv*. 2020 Sep 10. doi:10.1176/appi.ps.202000165
13. Wall-Wieler E, **Shover C**, Hah J, Carmichael S, Butwick A. Opioid prescription and persistent opioid use after ectopic pregnancy. *Obstet Gynecol*. 2020 Sep 1. doi: 10.1097/AOG.0000000000004015. PMID: 32769649.
14. **Shover C**, DeVost M, Cunningham N, Beymer M, Flores D, Flynn R, Gorbach P, Lyman P, Amico KR, Bolan R. Structural, dosing, and risk change factors affecting discontinuation of pre-exposure prophylaxis (PrEP) in a large urban clinic. *AIDS Educ Prev*. 2020; doi:10.1521/aeap.2020.32.4.271
15. **Shover C**, Vest N, Chen D, Stueber A, Falasinnu T, Hah J, Kim J, Mackey I, Weber K, Ziadni M, Humphreys K. Association of state policy allowing medical cannabis for opioid use disorder with dispensary marketing for this indication. *JAMA Netw Open*. 2020 Jul 14. doi:10.1001/jamanetworkopen.2020.10001

16. Caputi T, **Shover C**, Watson R. Physical and Sexual Violence among U.S. Gay, Lesbian, Bisexual, and Questioning Adolescents, 2015-2017. *JAMA Pediatr.* 2020 Mar 9. doi:10.1001/jamapediatrics.2019.6291
17. **Shover C**, Humphreys K. Predictors of availability of long-acting pharmacotherapy for opioid use disorder. *Drug Alcohol Depend.* 2019 Nov 1;204:107586. doi: 10.1016/j.drugalcdep.2019.107586.
18. Maitino E, Shafir S, Beymer M, **Shover C**, Cunningham N, Flynn R, Bolan R. Age at First HIV Test for MSM at a Community Health Clinic in Los Angeles. *AIDS Care.* 2019 Oct 30. doi:10.1080/09540121.2019.1683806
19. **Shover C**, Abraham A, D'Aunno T, Friedmann P, Humphreys K. The relationship of Medicaid expansion to psychiatric comorbidity care within substance use disorder treatment programs. *J Subs Abuse Treat.* 2019 Jul 29. doi: 10.1016/j.jsat.2019.07.012.
20. **Shover C**, Davis C, Gordon S, Humphreys K. Association between medical cannabis laws and opioid overdose mortality has reversed over time. *Proc Natl Acad Sci USA.* 2019 Jun 10. doi 10.1073/pnas.1903434116.
21. Shackett B, Blanco J, Hightow-Weidman L, Mgodhi N, Alcamí J, Buchbinder S,..., **Shover C**, et al. HIVR4P 2018: From Research to Impact Conference Summary and Highlights. *AIDS Res Hum Retroviruses.* 2019 May 29. doi 10.1089/AID.2019.0074.
22. **Shover C**, Javanbakht M, Shoptaw S, Lee S-J, Bolan R, Cunningham N, Beymer M, DeVost M, Gorbach P. Mind the Gaps: Prescription coverage and HIV incidence among patients receiving pre-exposure prophylaxis from a large federally qualified health center in Los Angeles, CA. *AIDS Behav.* 2019 Apr 05. doi 10.1007/s10461-019-02493-w
23. **Shover C**, DeVost M, Beymer M, Flynn R, Gorbach P, Bolan R. Using sexual orientation and gender identity (SOGI) to monitor disparities in HIV, sexually transmitted infections, and viral hepatitis. *Am J Public Health.* 2018 Nov 01: S277-S283. doi:10.2105/AJPH.2018.304751.
24. **Shover C**, Javanbakht M, Shoptaw S, Lee S-J, Bolan R, Parsons J, Rendina J, Gorbach P. HIV pre-exposure prophylaxis initiation at a large community clinic: Differences between eligibility, awareness, and uptake. *Am J Public Health.* 2018 Oct 01: 1408-1417. doi: 10.2105/AJPH.2018.304623.
25. Gorbach, P, Javanbakht M, **Shover C**, Bolan R, Ragsdale A, Shoptaw S. Associations Between Cannabis Use, Sexual Behavior, and STIs/HIV In a Cohort of Young Men Who Have Sex with Men. *Sex Transm Dis.* 2018 Oct 01. doi: 10.1097/OLQ.0000000000000919.
26. Lee JG, DeMarco ME, Beymer MR, **Shover C**, Bolan RK. Tobacco-free policies and tobacco cessation systems at health centers serving lesbian, gay, bisexual, and transgender clients. *LGBT Health.* 2018;5(4):264-269. doi: 10.1089/lgbt.2017.0208. Epub 2018 Apr 16.
27. **Shover C**, Beymer M, Unger E, Javanbakht M, Bolan R. Accuracy of Presumptive Gonorrhea Treatment for Gay and Bisexual Men: Results from a Large Sexual Health Clinic in Los Angeles, California. *LGBT Health.* 2018;5(2):139-144. doi: 10.1089/lgbt.2017.0115. Epub 2018 Mar 01.
28. Beymer M, DeVost M, Weiss R, Dierst-Davies R, **Shover C**, Benasians C, Talan A, Flynn R, Krysiak R, McLaughlin K, Bolan R. Does HIV Pre-Exposure Prophylaxis Use Lead to a Higher Incidence of Sexually Transmitted Infections? A Case-Crossover Study of Men Who Have Sex with Men in Los Angeles, California. *Sex Transm Infect.* 2018 Sep;94(6):457-462. doi: 10.1136/sextrans-2017-053377. Epub 2018 Feb 27.

29. DeVost M, Beymer M, Weiss R, **Shover C**, Bolan R. App-Based Sexual Partner Seeking and Sexually Transmitted Infection Outcomes: A Cross-Sectional Study of HIV-negative MSM Attending an STI Clinic in Los Angeles, California. *Sex Transm Dis*. 2018 Jun;45(6):394-399. doi: 10.1097/OLQ.0000000000000770.
30. Beymer M, Harawa N, Weiss R, **Shover C**, Toynes B, Meanley S, Bolan R. Are partner race and intimate partner violence associated with incident and newly diagnosed HIV infection in African-American men who have sex with men? *J Urban Health*. 2017 Jun 14. doi: 10.1007/s11524-017-0169-7.
31. Cunningham N, Beymer M, Javanbahkt, M, **Shover C**, Bolan R. Concordance between self-reported STI history and biomedical results among men who have sex with men in Los Angeles, California. *Sex Transm Infect*. 2017;93:514-519.

Reviews and commentaries (5 total)

1. Routhier G, **Shover CL**, DiPietro B, League K, Doran K. How has the COVID-19 Pandemic impacted people experiencing homelessness? Without data, we don't know. *Journal of Social Distress and Homelessness*. In press.
2. **Shover C** and Humphreys K. Debunking Cannabidiol as a Treatment for COVID-19: Time for the FDA to Adopt a Focused Deterrence Model? *Cureus*. 2020 Jun 17 doi: 10.7759/cureus.8671
3. Humphreys K and **Shover C**. Recreational cannabis legalization presents an opportunity to reduce the harms of the U.S. medical cannabis industry. *World Psychiatry*. 2020 May 11. Doi: 10.1002/wps.20739
4. **Shover C**. Priorities and concerns of people who use opioids are key to scaling up XR-buprenorphine. *Addiction*. 2020 Apr 18. doi 10.1111/add.15048
5. **Shover C**, Humphreys K. Six policy lessons relevant to cannabis legalization. *Am J Drug Alcohol Abuse*. 2019 Mar 14. doi 10.1080/00952990.2019.1569669.

Research in progress

1. **Shover CL**, Rosen A, Mata J, Robie B, Alvarado J, Beltran J, Bratcher A, Chang AH, Choi KR, Frederes A, Garcia C, Romero R, Shoptaw S, Guha P, Richard L, Sixx G, Baez A, Coleman A, Harvell S, Jackson S, Lee C, Swan J, Uyeda Kantrim E, McKeever M, Nguyen A, Rice A, Rosales M, Spoliansky J, Torres K, Behforouz H, Bromley E, Gelberg L, Gorbach PM, Rimoin AW, Thomas EH. Engaging same-day Peer Ambassadors to increase COVID-19 vaccination among people experiencing unsheltered homelessness in Los Angeles County: a hybrid feasibility-evaluation study. *Under review*.
2. **Shover CL**, Friedman JR, Romero R, Buhr R, Chu B, Tang A, Medina JA, Goodman-Meza D. The Shifting Burden of Methamphetamine-Involved Deaths in Los Angeles County and Nationwide. *Under review*.
3. Romero R, Friedman JR, Goodman-Meza D, **Shover CL**. US Drug Overdose Mortality Rose Faster Among Hispanics Than Non-Hispanics from 2010-2020. *Under review*.
4. Goodman-Meza D, **Shover CL**, Medina JA, Tang A, Shoptaw S, Bui AT. Natural language processing to identify substances in overdose deaths. *Under review*.
5. Riggs K, DeRussy A, Leisch L, **Shover CL**, Bohnert A, Hoge AE, Montgomery AE, Varley AL, Jones AL, Gordon, AJ, Kertesz, S. Sensitivity of Health Records for Self-Reported Nonfatal Drug and Alcohol Overdose. *Under review*.

6. Rosen A, Senturia A, Howerton I, Uyeda Kantrim E, Evans V, Malluche T, Miller J, Gonzalez M, Robie B, Chang AH, **Shover CL**, Behforouz H, Nguyen A, Thomas EH. COVID-19 vaccination program to promote uptake and equity for people experiencing homelessness in Los Angeles County. *Under review*.
7. Edwards G, Miyashita-Ochoa A, Castillo E, Goodman-Meza D, Kalofonos I, Landovitz R, Liebowitz A, Pulsipher C, El Sayed E, Shoptaw S, **Shover CL**, Tabajonda M, Yang Y, Harawa NT. Long-Acting Injectable Therapy for People with HIV: Looking Ahead with Lessons from Psychiatry and Addiction Medicine. *Under review*.

OTHER RESEARCH REPORT (non-peer reviewed)

Ilango S and **Shover C**. Blood-borne virus Wave 2 Investigation Report. Santa Barbara County Public Health Department. October 30, 2015.

INVITED TALKS

1. Xylazine Update. National Harm Reduction Coalition, 2022.
2. Global Launch of the Stanford-Lancet Commission on the North American Opioid Crisis, 2022.
3. Invited presentation at Vaccine Ambassadors Working Group, Centers for Disease Control and Prevention, 2021.
4. Fentanyl Briefing, California State Assembly Committee on Health, 2021.
5. Designer Benzodiazepine Research Discussion, Food and Drug Administration, 2021.
6. Panelist, Virtual Forum on Criminal Justice, 2021.
7. Invited lecture, UCLA Integrated Substance Abuse Programs, 2021.
8. Invited lecture, UCLA Integrated Substance Abuse Programs, 2020.
9. Invited lecture, NIDA Clinical Trials Network Western Node & Big South/West Node, 2020.
10. Panelist, National HIV and Hepatitis Technical Assistance Meeting, National Alliance of State & Territorial AIDS Directors, 2020.
11. Invited lecture, Population Health Sciences Department Seminar, Weill Cornell Medical College, 2020.
12. Invited lecture, Epidemiology Department Seminar, Boston University School of Public Health, 2020.
13. Invited lecture, Anesthesiology Department Seminar, University of Michigan School of Medicine, 2020. [Deferred due to COVID-19]
14. Invited lecture, Epidemiology Department Seminar, Emory University Rollins School of Public Health, 2020.
15. Invited lecture, General Internal Medicine and Health Services Research Division Seminar, University of California Los Angeles David Geffen School of Medicine, 2020.
16. Invited lecture, Advanced Alcohol Research Seminar, Alcohol Research Group at University of California Berkeley, 2020.
17. Invited lecture, MAT-VA Journal Club Seminar, Veterans Health Administration, 2020.
18. Invited lecture, Center for Opioid Epidemiology and Policy Seminar, New York University Grossman School of Medicine, 2019.

19. Invited lecture, Psychiatry Department Seminar, University of North Carolina Chapel Hill School of Medicine, 2019.
20. Invited lecture, Schaeffer Center for Health Policy and Economics Seminar, University of Southern California Sol Price School of Policy, 2019.
21. Invited lecture, Institute for Addiction Science Seminar, University of Southern California Keck School of Medicine, 2019.
22. Invited lecture, Infectious Diseases and Microbiology Department Seminar, University of Pittsburgh School of Public Health, 2019.
23. Invited lecture, Chicago Center for HIV Elimination Seminar, University of Chicago Pritzker School of Medicine, 2019.
24. Invited lecture, Epidemiology and Biostatistics Department Seminar, Western University Schulich School of Medicine, 2019.
25. Invited lecture, Continuing Medical Education Session, Nevada State Medical Association, 2019.
26. Invited lecture, Drug Policy Research Center Seminar, RAND Santa Monica, 2019.

SCIENTIFIC MEETING PRESENTATIONS (NATIONAL/INTERNATIONAL)

*Denotes presentation by a mentee

1. **Shover C**, Vest N. News You Can Use. College on Problems of Drug Dependence (2022). Minneapolis, MN, workshop.
2. **Shover C**, von Deffner S, Swan J, Coleman A. Tactical Collaboration for Policy Results. National Council on Health Care for the Homeless (2022). Seattle, WA, workshop.
3. Gokhale S, **Shover C**, Blake J, Brosnan H, Gomih A, Henderson B, Henry B, Jones P, Kwon J, Yeh K, Chang A. Novel Coronavirus Outbreaks in Homeless Encampments and Shelters in Los Angeles, California, March-September 2020. (2021). Virtual oral presentation.
4. **Shover C**, Vest N, Chen D, Stueber A, Humphreys K. Do medical cannabis laws undermine evidence-based treatment for opioid use disorder? College on Problems of Drug Dependence (2020). Hollywood, FL, oral presentation (virtual due to COVID-19 pandemic).
5. **Shover C**, Vest N, Chen D, Stueber A. Cannabis dispensaries online advertising about opioid use disorder: First-stage results from a multi-state mixed methods study in the Northeastern U.S. American Psychopathological Association (2020). New York, NY, poster presentation.
6. **Shover C**, McGovern M, Humphreys K. Low utilization of long-acting buprenorphine modalities for OUD. Addiction Health Services Research (2019). Park City, UT, poster presentation.
7. Keamy-Minor E*, Lembke A, **Shover C**. Alcohol screening at ambulatory care visits involving prescriptions of opioids and benzodiazepines. Addiction Health Services Research (2019). Park City, UT, poster presentation. Presented by E Keamy-Minor.
8. **Shover C**, Abraham A, D'Aunno T, Friedmann P, Humphreys K. Impact of Affordable Care Act implementation on psychiatric treatment in outpatient substance use disorder treatment settings. College on Problems of Drug Dependence (2019). San Antonio, TX, oral presentation.
9. Humphreys K and **Shover C**. What would happen if Norway legalized cannabis? Norsk Forening for Avhengighetspsykologi (2019). Oslo, Norway, plenary. Presented by K Humphreys.

10. **Shover C**, Flores D, Beymer M, DeVost M, Gorbach P, Flynn R, Amico KR, Chavez P, Lyman P, Toynes B, Bolan R. Online survey about reasons for stopping PrEP is an opportunity to re-engage inactive PrEP clients. HIV Research for Prevention (2018). Madrid, Spain, poster presentation.
11. **Shover C**, Pines H, Shoptaw S, Javanbakht M, Bolan R, Gorbach P. Joint Trajectories of Methamphetamine Use and Viral Load. Poster. Conference on Retroviruses and Opportunistic Infections (2018). Boston, MA, poster presentation.
12. **Shover C**, Javanbakht M, Shoptaw S, Bolan R, Gorbach P. High Discontinuation of Pre-exposure Prophylaxis Within Six Months of Initiation. Poster. Conference on Retroviruses and Opportunistic Infections (2018). Boston, MA, poster presentation.

GRANTS

- PI: C. Shover. Title: "Using rapidly available mortality data to measure impact of COVID-19 pandemic control measures on fatal opioid overdoses in the United States." Annual salary recovery or effort: \$25,000. Project period: 10/1/20-9/30/21. Pilot project funded by: NIH P50 DA046351.
- PI: C. Shover. Title: "Adoption and scale up of long-acting medications for opioid use disorder by U.S. clinicians." Annual salary recovery or effort: 75%. Project period: 6/1/21-5/31/26. NIH K01 DA050771.
- PI: C. Shover. Title: "COVID-19 Vaccine Volunteer Crew" UCLA Health Innovation Challenge, not numbered. Amount: \$50,000.
- PI: C. Shover. Title: "Engaging peer vaccine ambassadors to promote COVID-19 vaccine education and uptake among unhoused people." Amount: \$100,000. Project period: 4/22/2021 – 4/21/2022. UCLA David Geffen School of Medicine (DGSOM) COVID 19 Research Award OCRC HE-25.

FELLOWSHIPS

- 2018-2020 Interdisciplinary Pain and Substance Use Disorder Research T32
- 2017-2018 UCLA Dissertation Year Fellowship, UCLA Graduate Division
- 2014-2017 Epidemiology Department Fellowship, UCLA Graduate Division
- 2014-2016 Future Public Health Leaders Fellowship, UCLA School of Public Health
- 2014-2016 Dean's Leadership Grant, UCLA School of Public Health
- 2010 Summer Research Grant, Harvard College Research Program

HONORS AND AWARDS

- 2020 NIDA Director's Award Travel Scholarship
- 2018 Research Scholarship, HIV Research for Prevention
- 2018 Representative at University of California's Graduate Research Advocacy Day
- 2018 New Investigator Scholarship, Conference on Retroviruses and Opportunistic Infections
- 2017 Center for Advancing Longitudinal Drug Abuse Research Summer Institute Scholarship, UCLA
- 2016 Network Modeling for Epidemics Tuition Scholarship, University of Washington
- 2015 Western Users of SAS Software Student Scholarship
- 2015 ComSciCon National Workshop Attendee
- 2011 Edward Eager Memorial Fund Prize, Harvard College
- 2007 United States Presidential Scholar, U.S. Department of Education

PUBLIC HEALTH RESEARCH EXPERIENCE

Supervising Epidemiologist

Jun 2020 - Jan 2021

Los Angeles County Department of Public Health

- Contribute to surveillance, outbreak investigation, and data management for COVID-19 response.
- Lead epidemiologist for team focused on people experiencing homelessness.
- Implement location-based contact tracing in homeless shelters and encampments.

Epidemiology Assistant

Aug 2015 - Sep 2018

Los Angeles LGBT Center, Los Angeles, CA

- Design and conduct research studies on LGBTQ health, HIV prevention, sexual health.
- Develop clinical questionnaires and manage data; prepare HIV/STI surveillance reports.

Staff Epidemiologist

Jun - Oct 2015

Santa Barbara County Public Health Department, Santa Barbara, CA

- Investigate Hepatitis C virus outbreak associated with private outpatient medical clinic.
- Contact patients, obtain test results, manual chart review to construct potential exposure timeline.

Graduate Student Researcher

Oct 2014 - Jun 2015

Fielding School of Public Health, University of California Los Angeles, Los Angeles, CA

- Assist with projects in Behavioral Epidemiology Research Group.
- Recruited participants online for mStudy cohort; developed standard operating procedures.

MENTORING EXPERIENCE**Mentee names, dates, capacity, current position**

1. Emily Keamy-Minor, 2019-2020, Stanford Med Scholars research mentor (Medical student, Stanford)
2. Rohan Freedman, 2020, Undergraduate research assistantship mentor (Junior, Brown University)
3. Brenda Cruz, 2021, Equity, Diversity & Inclusion fellowship supervisor, (MPH student, UCLA)
4. Michelle Tabajonda, 2021, Equity Diversity & Inclusion fellowship supervisor, (MPH student, UCLA)
5. Rafik Wahbi, 2021, Graduate student researcher supervisor, (PhD student, UCLA)
6. Julissa Alvarado, 2021, MPH practicum supervisor (MPH student, UCLA)
7. Ashley Frederes, 2021, Graduate student researcher supervisor, (PhD student, UCLA)
8. Jacqueline Beltran, 2021-2022, MPH practicum supervisor (MPH student, UCLA)
9. Candelaria Garcia, 2021-2022, Graduate student researcher supervisor, (MPH student, UCLA)
10. Tabor Hoatson, 2019-Present, Second reader undergraduate thesis (MPH student, Boston University)
11. Derek Chen, 2019-Present, Stanford undergraduate research mentor (MS student, Stanford)
12. Jesus Medina, 2021-Present, MPH practicum supervisor (MD/MPH student, UCLA)

TEACHING EXPERIENCE

2016-2018 Teaching Assistant/Associate

1. Challenging Sex and Gender Dichotomies in Medicine (Stanford, Fall 2018)
 - Undergraduate seminar on biology, genetics, and social aspects of sex and gender.
2. Applied Sampling (UCLA, Spring 2018)
 - Upper division undergraduate statistics course on sampling methodology.
3. Scientific Communication (UCLA, Winter 2018)
 - Graduate level course on scientific writing and presentations.
4. Behavioral Epidemiology (UCLA, Spring 2017)
 - Graduate-level course on quantitative and qualitative methods.
5. Introduction to Epidemiology (UCLA, Fall 2016)
 - Graduate-level foundational methods course on study design.

2012-Present Workshop Instructor

- University of California, Irvine Summer Healthcare Experience (2014-Present)

- 826 Valencia, San Francisco, CA (2013)
- School for Young Writers, Christchurch, New Zealand (2012-2013)
- Think Tank Learning, Millbrae, CA (2012)

PROFESSIONAL SERVICE

- 2019-Present Commissioner, Stanford-Lancet Commission on the North American Opioid Crisis
- 2019-Present Grant reviewer: Mitacs
- 2017-Present Ad hoc reviewer: *Addiction; AIDS and Behavior; Drug and Alcohol Dependence; Journal of Addiction Medicine; International Journal of Drug Policy; JAIDS; American Journal of Drug and Alcohol Abuse; Annals of LGBTQ Public and Population Health; Archives of Sexual Behavior; Journal of American College Health; Journal of Policy and Management; Journal of Law, Medicine, and Ethics; Journal of Psychoactive Drugs; Drug and Alcohol Dependence Reports; PLOS One; Sexually Transmitted Diseases; Substance Use and Misuse, Tobacco Induced Diseases; American Public Health Association*
- 2014-Present University of California, Irvine Summer Healthcare Experience (SHE) Program
- Co-founded program with Nimisha Parekh, MD, MPH.
 - Lead annual college preparation workshop for high school girls.
- 2017 Science Ambassador, March for Science Los Angeles
- 2015-2016 Co-President, UCLA Public Health Student Association

SELECTED MEDIA COVERAGE

1. Whelan, Aubrey. "Xylazine, a dangerous animal sedative, is contaminating Philly's drug supply." *Philadelphia Inquirer*. 9 Mar 2022.
2. Mahon, Ed. "Unproven, unsafe: As part of a first-of-its-kind review, Spotlight PA investigated claims made on Pennsylvania cannabis companies' websites and found a wide range of misleading or even dangerous tactics." *Spotlight PA*. 21 Feb 2022.
3. Alpert-Reyes, Emily. "What sways homeless people to get COVID-19 shots? It could be other homeless people." *Los Angeles Times*. 18 Oct 2021.
4. Chou, Liz. "LA activists, public health experts fear revived encampment sweeps could spread coronavirus." *Los Angeles Daily News*. 10 Sep 2021.
5. Zahniser, David, Oreskes, Benjamin and Smith, Doug. "L.A.'s anti-camping law could shift even more power to the City Council on homelessness." *Los Angeles Times*. 28 Jul 2021.
6. Vergano, Dan. "More people than ever died of drug overdoses in the US in 2020." *Buzzfeed News*. 14 Jul 2021.
7. Oreskes, Benjamin and Smith, Doug. "L.A.'s homeless residents are 50% more likely to die if they get COVID. Now they're a vaccine priority." *Los Angeles Times*. 12 Mar 2021.
8. Mann, Brian. "Street fentanyl surges in Western U.S., leading to thousands of deaths." *National Public Radio*. 17 Nov 2020.
9. The Washington Post Editorial Board. "The opioid crisis didn't disappear amid the pandemic. It still calls for urgent action." *The Washington Post*. 16 Oct 2020.
10. Lopez G. "Drug overdoses were increasing before Covid-19. The pandemic made things worse." *Vox*. 13 Aug 2020.
11. Mozes, Alan. "Gay, Lesbian Teens at High Odds for Physical, Sexual Abuse." *US News and World Report*. 10 Mar 2020.
12. Johnson C. "Medical pot laws no answer for US opioid deaths, study finds." *Associated Press*. 10 Jun 2019. *

13. Frakt A. "Can marijuana help cure the opioid crisis?" *The New York Times*. 17 Jun 2019. *
14. Kahloon I. "Medical marijuana is not the way out of America's opioid crisis." *The Economist*. 24 Jun 2019. *

*This study was also covered in *The Wall St. Journal*, *Vox*, *Reuters*, *The Economist*, *The Washington Post*, *NBC*, *The Atlantic*, *The Philadelphia Inquirer*, *The National Review*, and other radio, television, newspaper, and web outlets.

15. Cairns G. "PrEP reduces HIV infections by over 95% in US 'real world' study" *AIDSMap*. 18 Jun 2019.
16. Ryan B. "Truvada and the truth: is HIV prevention propelling the STI epidemic?" *The Guardian*. 21 Oct 2018

OTHER EMPLOYMENT

2013-2014	Fellowship Coordinator, University of California Irvine School of Medicine
2013	Sub Editor, The Christchurch Star Company, Christchurch, New Zealand
2012	Reporter, Mainland Press, Christchurch, New Zealand
2011-2012	Content Associate, Inflection, LLC, Redwood City, CA
2009	Features Intern, South China Morning Post, Hong Kong

PROFESSIONAL AFFILIATIONS

2022-Present	Center for HIV Identification, Prevention, and Treatment Services, Core Affiliate
2022-Present	UCLA Center for LGBTQ+ Advocacy, Research & Health, UCLA Affiliate
2019-Present	College on Problems of Drug Dependence, Regular Member
2018-Present	Delta Omega Honor Society in Public Health, Member
2017-Present	Society for Epidemiologic Research, Member

PROFESSIONAL SKILLS

SAS; Stata; SQL; R; LaTeX; Qualtrics; TreeAge Pro; ArcGIS; Microsoft Office Suite

LANGUAGES

Mandarin Chinese, conversational; Spanish, conversational