

Curriculum Vitae
(November, 2023)

Pieter Baker, PhD, MPH

Education

Doctor of Philosophy in Public Health (2021)

UCSD / SDSU Joint Doctoral Program in Public Health (Global Health Track)

Research Focus: Infectious Disease, Substance Use, HIV/AIDS

Dissertation Title: "Drugs, Germs, and Justice: Examining Police Practices and the HIV Risk Environment for People who Inject Drugs"

Master of Public Health - Epidemiology (2014)

Columbia University, Mailman School of Public Health

Certificate – Infectious Disease Epidemiology

Graduate Thesis: "Prevalence and Risk Factors for Community-Associated Methicillin-Resistant *Staphylococcus aureus* in New York City from 2006-2012"

Bachelor of Science in Biology, cum laude, Honor's Scholar (2010)

Point Loma Nazarene University

Honor's Project Thesis: "Antibiotic-Resistant Bacteria Pollution in San Diego's Coastal Wetlands: A Survey of Plasmid-Mediated Quinolone Resistance Genes in Local Sediments"

Professional Experience

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| Assistant Professor of Epidemiology
University of South Carolina
Arnold School of Public Health
Department of Epidemiology & Biostatistics | 2023-Present |
| Postdoctoral Research Fellow– ALIVE Study
Johns Hopkins University – Bloomberg School of Public Health
Department of Epidemiology
HIV Epidemiology and Prevention Sciences Training Program (NIH T32 AI102623, PI: Beyrer/Mehta) | 2021-2023 |
| Predocotrinal Research Fellow - SHIELD Study
University of California, San Diego
Division of Infectious Disease and Global Public Health, School of Medicine
HIV & Substance Use T32 (NIH T32 DA023356, PI:Strathdee) | 2019-2021 |
| Human Rights Fellow – HIELO Study
Human Rights Center, University of California, Berkeley
<u>H</u> Health Impact of <u>I</u> mmigration <u>E</u> nforcement and <u>L</u> ocation Displacement (Proyecto HIELO, PI: Baker) | 2018- 2019 |
| HIV Research Program Coordinator
University of California, San Diego
Division of Infectious Disease and Global Public Health, School of Medicine
Proyecto Escudo (NIH R01DA039073; PI:Strathdee) | 2017-2019 |

HIV Research Program Manager University of California, San Diego Antiviral Research Center Primary Infection Research Consortium (NIAID AI106039, PI: Little)	2015-2017
Ebola Surveillance Manager Ebola Response Consortium International Rescue Committee Freetown, Sierra Leone	2014-2015
Disease Control Officer at Westchester County Department of Health Westchester County Department of Health Bureau of Communicable Diseases New Rochelle, New York	2012-2014
Research & Development Chemist I INOVA Diagnostics, Inc San Diego, California	2010-2012

Research Fellowships, Grants and Awards

T32 Postdoctoral Fellowship Award– National Institute of Health HIV Epidemiology and Prevention Sciences Training Program (John Hopkins University) \$54,000 in research and salary support (NIDA T32 AI102623, PI: Beyrer/Mehta)	2021-2023
T32 Predoctoral Fellowship – National Institute of Health HIV & Substance Use Training Program (University of California, San Diego) \$25,000 in research and salary support (NIDAT32 DA023356, PI:Strathdee)	2020-2021
International AIDS Society (IAS) - Injection Drug Use Research Prize \$1,000 in funds presented at 10 th IAS conference on HIV Science (Mexico City 2019)	2019
SDSU Graduate Student Travel Award \$1,000 in travel funds to present original research at APHA (Philadelphia 2019)	2019
Tinker Foundation – International Research Grant (US/Mexico) \$1,000 in research funds for pilot study	2018
UC Berkeley – Human Rights Fellowship \$6,000 in research, participant stipends, and travel funds	2018

Teaching Experience

Courses Taught as Instructor of Record

Infectious Disease Epidemiology (EPID749, USC)	2023 - Present
Instructor for Epidemiology & Infectious Disease (Johns Hopkins CTY). *Received award for “Most Active Instructor” at Johns Hopkins CTY 2022	2022-2023
Adjunct Faculty for Biotechnology and Society (PLNU)	2020-2023
Adjunct Faculty for Infectious Diseases Epidemiology (PLNU, Graduate Program)	2020
Adjunct Faculty for Chemistry for Pre-Health Sciences (PLNU)	2019
Co-Instructor for Public Health Research Methods (SDSU)	2019-2020

Courses as Teaching Assistant

Public Health Research Methods (SDSU)	2019
Health Policy (UCSD)	2018
Public Health and Primary Care (UCSD)	2017-2018
Systems and Methods for Public Health (Columbia)	2013-2014
Teaching and Lab Assistant for Microbiology of Infectious Disease (PLNU)	2009-2010

Guest Lectures

EPID730 Public Health Surveillance Systems (USC)	2023
EPID800 Advanced Methodological Theory in Epidemiology (USC)	2023
Theoretical Approaches to Substance Use (SDSU)	2022
Public Health and Drug Policy (Brown University)	2021
HIV and Substance Use (UCSD)	2020
Introduction to Microbiology (PLNU)	2015-2016
Microbiology of Infectious Diseases (PLNU)	2015-2016

Mentoring Experience

Student Mentees in Research

Sultan Alsallum (Graduate Research Assistant, USC)	2023-Present
Amirhossein Fakhre Yaseri (Volunteer Research Assistant, USC)	2023-Present
Ashley Weitensteiner (Volunteer Research Assistant, SDSU)	2023-Present
Catalina Rodriguez (Volunteer Research Assistant, JHU)	2022-Present
Emma Falluji (Volunteer Research Assistant, SDSU)	2022-Present

Student Academic Advisees

Madeline Mikes (USC, MPH Student Advisee)	2022-2023
Theresa Boyer (JHU, PhD Student Advisees)	2023-Present

Departmental Service

MPH Admissions Committee	2023-2024
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Professional Service

Ad Hoc Grant Reviewer, DOJ Bureau of Justice Assistance	2023-Present
Peer Reviewer, Sexuality Research & Social Policy	2023
Peer Reviewer, Drug & Alcohol Dependence	2023
Peer Reviewer, Harm Reduction Journal	2022
Peer Reviewer, Global Public Health	2021
Peer Reviewer, International Journal of Drug Policy	2020-Present
Abstract Reviewer, APHA General Meeting	2020
Peer Reviewer, American Journal of Public Health	2019-Present
Peer Reviewer, Journal of Urban Health	2019
Peer Reviewer, BMC Global Health	2018

Professional Affiliations (Past & Current)

International AIDS Society (IAS)	2019-
American Public Health Association (APHA)	2018-
College on Problems of Drug Dependence (CPDD)	2017-
American Society for Microbiology (ASM)	2011-

Publications

Baker P, Cepeda J, Schluth C, Astemborski J, Feder K, Rudolph J, Kirk G, Mehta S, Genberg B. Time-to-completion of COVID-19 vaccination primary series varies by HIV viral load status among people who inject drugs in Baltimore, Maryland. *Preventive Medicine Reports* (36), 2023.

Marotta P, del Pozo B, **Baker P**, Abramovitz D, Artamonova I, Arredondo J, McCreedy K, Strathdee SA, Beletsky L. Unlocking deflection: The role of supervisor support in police officer willingness to refer people who inject drugs to harm reduction service. *International Journal of Drug Policy* (121), 2023.

Baker P, Genberg B, Astemborski J, Mehta S, Kirk G, Cepeda J. Relationship between the Patient Activation Measure and Utilization of Healthcare and Harm Reduction Services among People who Inject Drugs in Baltimore, Maryland. *Drug and Alcohol Dependence* (Under Review)

Feder KA Sun J, Rudolph JE, Cepeda J, Astemborski J, **Baker P**... Mortality by Cause of Death during Year 1 of the COVID-19 Pandemic in a Cohort of Older Adults from Baltimore Maryland who Have Injected Drugs. *International Journal of Drug Policy*, volume 109, 2022

Baker P, Beletsky L, Garfein R, Pitpitan E, Oren E, Strathdee SA, Cepeda JA. Impact of SHIELD Police Training on Knowledge of Syringe Possession Laws and Related Arrests in Tijuana, Mexico. *American journal of public health*. 2022;112(6):860-4. doi: 10.2105/ajph.2021.306702. PubMed PMID: 35446602.

Baker, P., Arredondo, J., Borquez, A., Clairgue, E., Mittal, M. L., Morales, M., ... & Cepeda, J. A. (2021). Municipal police support for harm reduction services in officer-led referrals of people who inject drugs in Tijuana, Mexico. *Harm reduction journal*, 18(1), 1-10.

Beletsky, L, Abramovitz, D, **Baker, P**, Arredondo, J, Rangel, G, Artamonova, I, ... & Strathdee, S. A. (2021). Reducing police occupational needle stick injury risk following an interactive training: the SHIELD cohort study in Mexico. *BMJ open*, 11(4), e041629.

Baker P, Beletsky L, Avalos L, Venegas C, Rivera C, Strathdee SA, Cepeda J. Policing Practices and Risk of HIV Infection Among People Who Inject Drugs, *Epidemiologic Reviews*, Volume 42, Issue 1, 2020, Pages 27–40

Olgin GK, Bórquez A, **Baker P**, Clairgue E, Morales M, Bañuelos A, Arredondo J, Harvey-Vera A, Strathdee S, Beletsky L, Cepeda JA. Preferences and acceptability of law enforcement initiated referrals for people who inject drugs: a mixed methods analysis. *Subst Abuse Treat Prev Policy*. 2020 Oct 2;15(1):75.

Morales, M., Rafful, C., **Baker, P.**, Arredondo, J., Kang, S., Mittal, M. L., Rocha-Jiménez, T., Strathdee, S. A., & Beletsky, L. (2020). "Pick up anything that moves": a qualitative analysis of a police crackdown against people who use drugs in Tijuana, Mexico. *Health & justice*, 8(1), 9.

Beletsky, L., Abramovitz, D., Arredondo, J., **Baker, P.**, Artamonova, I., Marotta, P., Mittal, M. L., Rocha-Jimenez, T., Cepeda, J. A., Morales, M., Clairgue, E., Patterson, T. A., & Strathdee, S. A. (2020). Addressing Police Occupational Safety During an Opioid Crisis: The Syringe Threat and Injury Correlates (STIC) Score. *Journal of occupational and environmental medicine*, 62(1), 46–51.

Rocha-Jiménez, T., Mittal, M. L., Artamonova, I., **Baker, P.**, Cepeda, J., Morales, M., Abramovitz, D., Clairgue, E., Bañuelos, A., Patterson, T., Strathdee, S., & Beletsky, L. (2019). The Role of Gender in the Health and Human Rights Practices of Police: The SHIELD Study in Tijuana, Mexico. *Health and human rights*, 21(1), 227–238.

Oral abstracts of the 10th IAS Conference on HIV Science, 21-24 July 2019, Mexico City, Mexico. *J Int AIDS Soc.* 2019;22 Suppl 5(Suppl Suppl 5):e25327. doi:10.1002/jia2.25327.

Arredondo, J., Beletsky, L., **Baker, P.**, Abramovitz, D., Artamonova, I., Clairgue, E., Morales, M., Mittal, M. L., Rocha-Jimenez, T., Kerr, T., Banuelos, A., Strathdee, S. A., & Cepeda, J. (2019). Interactive Versus Video-Based Training of Police to Communicate Syringe Legality to People Who Inject Drugs: The SHIELD Study, Mexico, 2015-2016. *American journal of public health*, 109(6), 921–926.

Mittal, M. L., Artamonova, I., **Baker, P.**, Strathdee, S. A., Cepeda, J., Bañuelos, A., Morales, M., Arredondo, J., Rocha-Jimenez, T., Clairgue, E., Bustamante, E., Patiño, E., Gaines, T., & Beletsky, L. (2018). Improving police conceptual knowledge of Mexico's law on cannabis possession: Findings from an assessment of a police education program. *The American journal on addictions*, 27(8), 608–611.

Beletsky, L., **Baker, P.**, Arredondo, J., Emuka, A., Goodman-Meza, D., Medina-Mora, M. E., Werb, D., Davidson, P., Amon, J. J., Strathdee, S., & Magis-Rodriguez, C. (2018). The global health and equity imperative for safe consumption facilities. *Lancet (London, England)*, 392(10147), 553–554.

Morales, M., Rafful, C., Gaines, T. L., Cepeda, J. A., Abramovitz, D., Artamonova, I., **Baker, P.**, Clairgue, E., Mittal, M. L., Rocha-Jimenez, T., Arredondo, J., Kerr, T., Bañuelos, A., Strathdee, S. A., & Beletsky, L. (2018). Factors associated with extrajudicial arrest for syringe possession: results of a department-wide survey of municipal police in Tijuana, Mexico. *BMC international health and human rights*, 18(1), 36.

Crowe, S., Hertz, D., Maenner, M., Ratnayake, R., **Baker, P.**, Lash, R. R., Klena, J., Lee-Kwan, S. H., Williams, C., Jonnie, G. T., Gorina, Y., Anderson, A., Saffa, G., Carr, D., Tuma, J., Miller, L., Turay, A., Belay, E., & Centers for Disease Control and Prevention (CDC) (2015). A plan for community event-based surveillance to reduce Ebola transmission - Sierra Leone, 2014-2015. *MMWR. Morbidity and mortality weekly report*, 64(3), 70–73.

Cummings, D. E., Archer, K. F., Arriola, D. J., **Baker, P. A.**, Faucett, K. G., Laroya, J. B., Pfeil, K. L., Ryan, C. R., Ryan, K. R., & Zuill, D. E. (2011). Broad dissemination of plasmid-mediated quinolone resistance genes in sediments of two urban coastal wetlands. *Environmental science & technology*, 45(2), 447–454.

Scientific Conference Presentations

Pieter Baker. 2023. HIV Viral Load and Time-to-COVID-19 Vaccinations among People Who Inject Drugs. Conference on Retroviruses and Opportunistic Infections. Seattle, Washington.

Pieter Baker. 2020. Modifying police behavior to prevent needle stick injuries and reduce community HIV risk: Dual public health benefits of SHIELD police training in Tijuana, Mexico. *AIDS 2020. Virtual*.

Pieter Baker. 2019. Access to healthcare and medical care experiences among asylum seekers detained in U.S. immigrant detention centers. APHA Annual Meeting and Expo Nov 2, 2019. Philadelphia, PN.

Pieter Baker. 2019. Mental health experiences and resilience among asylum seekers detained in U.S. immigrant detention centers. APHA Annual Meeting and Expo Nov 2, 2019. Philadelphia, PN.

Pieter Baker. 2019. Policing Practices and HIV Risk among People who Inject Drugs – a Systematic Literature Review. International AIDS Society Annual Meeting. Mexico City, Mexico. [Winner: Outstanding Research in Injection Drug Use Award (\$2,000)]

Pieter Baker. 2018. Police Attitudes towards people who use drugs as a structural determinant of enforcement practices that drive HIV risk in Tijuana, Mexico. APHA Annual Meeting and Expo (Spirit of 1848 Caucus) Nov 12, 2018. San Diego, CA.

Pieter Baker. June 12, 2018. Policing Practices and HIV Risk among People who Inject Drugs – preliminary findings. College on Problems of Drug Dependence Annual Meeting. San Diego, CA.

Pieter Baker. Adopting community event-based surveillance for Ebola in Kono. Dec. 23, 2014. District Ebola Response Center (DERC) Meeting. Kono, Sierra Leone.

Pieter Baker. 2013. Outbreak investigation of *Campylobacter jejuni* at a high profile event in Westchester County. Columbia University Mailman School of Public Health. Department of Epidemiology, New York, NY.

Pieter Baker. 2010. Antibiotic-Resistant Bacteria Pollution in San Diego's Coastal Wetlands: A Survey of Plasmid-Mediated Quinolone Resistance Genes in Local Sediments. PLNU Honor's Scholar Thesis Defense. San Diego, CA.

Professional References

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