

# Tiffany L. Lemon, PhD, MSPH

Assistant Professor, Health Services Research  
 College of Health Solutions, Arizona State University  
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## EDUCATION

### Massachusetts General Hospital, Harvard Medical School (Boston, MA)

- Postdoctoral Fellow *July 2023*
- T32 (NIAID) – Program for AIDS Clinical Research Training

### Harvard T.H. Chan School of Public Health (Boston, MA)

- Doctor of Philosophy, Population Health Sciences *May 2022*
- Concentration: Epidemiology

### Emory University Rollins School of Public Health (Atlanta, GA)

- Master of Science in Public Health, Global Epidemiology *May 2016*
- Certificate in Socio-contextual Determinants of Health

### Louisiana State University (Baton Rouge, LA)

- Bachelor of Science, Biochemistry *May 2013*
- College Honors
- Communication Across the Curriculum Distinguished Communicator

## RESEARCH AGENDA

My research agenda seeks to eliminate barriers between health needs and health care resources for three overlapping and intersecting populations: people living with HIV, people with substance use disorders, and people with criminal legal involvement. Using advanced quantitative methods and longitudinal and administrative data, I draw causal inferences to evaluate how policy and system-level factors, including health insurance coverage, shape disparities. This work has established a trajectory toward high-impact, multi-level interventions that improve care continuity during critical transitions, with the long-term goal of informing scalable policy solutions that advance health equity.

## WORK & RESEARCH EXPERIENCE

**SUMMARY:** I have over 15 years of research experience, including more than a decade in public health, progressing from molecular and clinical studies to policy- and system-level investigations. Since 2016, I have led an independent research trajectory that applies advanced epidemiological methods to health services research, producing evidence that informs equity-focused interventions and policy solutions.

### Assistant Professor, Arizona State University, College of Health Solutions (Phoenix, AZ) 2023 - Current

- Faculty Affiliate, Center for Health Information and Research
- Faculty Affiliate, Southwest Interdisciplinary Research Center
- Founder, THREAD (Transitions in Health Resources, Engagement, Access, and Delivery) Lab

### Research Fellow, Center for Global Health, Massachusetts General Hospital (Boston, MA) 2022 - 2023

- Project: *Insurance Policy, Health Care Access, and Quality of Life among People Affected by HIV*

### Data Analyst, Katz Research Group, Brigham and Women's Hospital (Boston, MA) 2019 - 2021

- Creating and managing quantitative data for reports and primary analysis for a study of social determinants of health behavior among youth living with HIV in South Africa

- Supporting researchers in secondary analyses and manuscript preparation

**Doctoral Dissertation, Harvard T.H. Chan School of Public Health** (Boston, MA) 2016 - 2022

- Dissertation: *Health insurance and wellness at the clinic and beyond: A study of health and quality of life among youth and women affected by HIV*

**Research Affiliate, VA Center for Healthcare Organization & Implementation** (Boston, MA) 2017

- Project: Implementation of a peer navigation intervention for veterans leaving prison

**Graduate Research Assistant, Rollins School of Public Health** (Atlanta, GA) 2014 - 2016

- Project: Strengths-based case management for returning citizens living with HIV

**Global Field Experience Scholar, Rwanda-Zambia HIV Research Group** (Kigali, Rwanda) 2015

- Project: Conducted and managed research project: *Seroconversion in Rural Rwanda: Linkage Analyses of 76 Couples*

**Exceptional Research Opportunities Scholar, Ragon Institute** (Boston, MA) 2011, 2013

- Project: *HIV-specific CD4+ T Cell Responses in Uninfected Individuals*
- Project: *Role of Functional Avidity in HIV-specific memory CD8+ T cell effector functions*

**Undergraduate Researcher, Louisiana State University** (Baton Rouge, LA) 2009 - 2013

- Project: Effects of urate in the attenuation of MarR homolog-DNA binding

**HHMI International Student Researcher, Institut Pasteur de Lille** (Lille, France) 2012

- Project: *Transposon Mutagenesis of BCG – The Search for an HBHA-specific Mutant*

## GRANTS

**Total external funding awarded since joining ASU: \$2.75M+**

**As Principal Investigator (PI):**

*Publicly funded grants submitted (NIH): 3 (R21, R01, Diversity Supplement)*

*Industry/Foundation grants submitted: 2 (Institute for Mental Health Research, Christian Scholars Legacy)*

**As Co-Investigator (Co-I):**

*Publicly funded grants submitted: 5 (NIH P50, P30, P20, R01, SAMHSA)*

*Industry/Foundation grants submitted: 1 (ACS Discovery Boost)*

**Funding success:** Foundation seed award as PI (Institute for Mental Health Research, \$50,000) and Co-I on SAMHSA H79 (\$2.7M)

### Awarded

#### 1. Principal Investigator

Title: Incarceration and Public Mental Health: An Opportunity for Population Impact with Marisa E. Domino (Co-I), Matthew Martin (Co-I)

Institute for Mental Health Research

6/2024 – 5/2026 | \$50,000

Mechanism: Foundation Seed Grant

Purpose: *This seed grant, funded on first submission, supports the development of a novel method to identify incarceration and custody experiences using Arizona Health Care Cost and Containment System (AHCCCS) Medicaid claims and encounter data. The project provided*

*critical preliminary data for my NIDA R21 application (PI: Lemon) and establishes the foundation for a sustained research agenda addressing the mental and behavioral health needs of people involved in the criminal legal system in Arizona.*

## 2. Co-Investigator

Title: Northern Arizona Rural Wellness & Healthcare Access for Mothers with Substance Use (NARWHAL)

with Matthew Martin (PI), William Riley (Co-I)

Substance Abuse and Amental Health Services Administration (SAMSA)

9/2024 – 9/2027 | \$2.7M

Mechanism: H79 Services Grant

Purpose: *This funded initiative enhances maternal health services for women with substance use disorders in rural northern Arizona. My role centers on evaluating health service utilization, strengthening my research agenda by linking substance use to health services evaluation and advancing equity-focused interventions during critical life transitions.*

## Under review

### 1. Principal Investigator

Title: Forecasting Overdose Risk With Analytics and Rapid Detection (FORWARD): Targeting Hard-to-Reach Person-Time Post-Incarceration

with Marisa Domino (Co-I), Hasan Ghasemzadeh (Co-I), Paul Wesson (Co-I, UCSF)

National Institutes of Health

4/2026 – 5/2028 | \$435,444

Mechanism: R21 NIH-NIDA

Purpose: Develop and pilot a real-time, analytics-driven system that forecasts overdose risk during the high-risk reentry window after incarceration—enabling rapid detection and targeted outreach to individuals experiencing hard-to-reach person-time.

### 2. Principal Investigator

Title: Building a Corrections to Community Inventory: Systematic Mapping of Reentry Services at the Intake, Transfer, and Release Facility

Christian Scholars Foundation Legacy Grant

10/2025 | \$10,000

Mechanism: Seed Grant

Purpose: Create a comprehensive inventory of reentry services available at key correctional transition points—intake, transfer, and release—to systematically map existing resources, identify service gaps, and inform future partnerships that strengthen community connections and improve outcomes for individuals returning from incarceration.

### 3. Co-Investigator

Title: Evaluating the Impact of Medicare Reimbursement for Low-Dose CT Lung Cancer Screening on Mortality, Healthcare Utilization, and Service Delivery

with Danny Hughes (PI), Moiz Bhai (Co-I)

American Cancer Society (ACS)

7/2026 – 6/2028 | \$291,710

Mechanism: ACS Discovery Boost Grant

Purpose: Assess how Medicare reimbursement for low-dose CT lung cancer screening affects mortality, CT imaging utilization, and access across facilities, with attention to disparities by race, sex, and geography. Findings will inform policies to strengthen lung cancer screening delivery and equity.

#### 4. Co-Investigator

Title: Temperature and Heat Exposure Research on Mental health Across the Lifespan (THERMAL) with Marisa Domino (PI), Pope Moseley (PI), Matei Georgescu (PI), and Co-Investigators

National Institutes of Health

9/2025 – 8/2031 | \$2.5M

Mechanism: P50 – ALACRITY Research Centers – NIH-NIMH

Purpose: The THERMAL ALACRITY Center investigates how extreme heat affects mental health among individuals prescribed psychotropic medications, building predictive tools and piloting scalable interventions to reduce risks during heat events. By integrating data science, clinical expertise, and stakeholder engagement, the Center aims to advance evidence-based strategies that improve care delivery and promote equitable mental health outcomes in a changing climate.

### Preparing for submission

#### 1. Principal Investigator (October 2025)

Title: INSURE-MH: Insurance Stability, Utilization, and REsources for Mental Health from Adolescence to Midlife

with Xing Zhang (MPI), Leslie Adams (MPI, Stanford), Marisa Domino (Co-I), John Jackson (Co-I, Johns Hopkins)

National Institutes of Health

7/2026 – 8/2031 | \$2.4M

Mechanism: R01 NIH-NIMH

Purpose: This project examines how health insurance disruptions and social support shape sex differences in depression and mental health care access during early midlife, using longitudinal data and causal methods to develop a practical monitoring tool for health systems

#### 2. Principal Investigator (Letter of Interest - October 2025)

Title: Improving Community Supervision Outcomes Through AI-Based Support

with Yulin Hswen (Co-I), Paul Wesson (Co-I), Kaelyn Sanders (Co-I), and Marisa Domino (Co-I) Arnold Ventures

Rolling | \$500K

Mechanism: Foundation Grant

Purpose: Developing and testing ResetGPT, an AI-based reentry support tool, to examine how improved access to health and social services can reduce recidivism, support probation compliance, and advance health equity for justice-involved populations.

### Unfunded

#### 1. Co-Investigator

Title: Identifying risks of poor health outcomes during extreme heat

with Marisa Domino (PI), Pope Moseley (Co-I), Matei Georgescu (Co-I), Raminta Daniulaityte (Co-I), Jennifer Vanos (Co-I), Aaron Flores (Co-I)

National Institutes of Health

12/2025 – 12/2031 | \$3.9M

Mechanism: R01 NIH-NIMHD

Purpose: Identify which populations are most vulnerable to poor health outcomes during extreme heat events by linking climate, health, and housing data for millions of Arizona residents. This project would generate precision models of heat-related risk to inform resource allocation, prevention strategies, and emergency response planning.

## 2. Co-Investigator

Title: Arizona Catalyst Center for Environmental, Economics, and Demography Research on Alzheimer's Disease and related Dementia Outcomes (ACCELERANDO)

with Marisa Domino (PI), Pope Moseley (Co-I), Matei Georgescu (Co-I), Brittany Braden (Co-I), Matt Buman (Co-I), David Coon (Co-I), Xing Zhang (Co-I)

National Institutes of Health

9/2025 – 8/2031 | \$4.4M

Mechanism: P30 NIH-NIA

Purpose: To advance interdisciplinary research on Alzheimer's disease and related dementias by integrating environmental, economic, and demographic perspectives. The Center would build data infrastructure, foster collaboration, and generate actionable evidence to improve prevention, care delivery, and equity in dementia outcomes.

## 3. Co-Investigator

Title: Heat Equity Analysis of Threats from Climate for Actionable Policy (HEATCAP)

with Marisa Domino (PI), Pope Moseley (PI), Matei Georgescu (PI), and Co-Investigators

National Institutes of Health

6/2024 – 5/2027 | \$3.9M

Mechanism: P20 NIH-NIMHD

Purpose: HEATCAP examines how climate-driven extreme heat impacts health outcomes across vulnerable populations and communities, integrating environmental, health, and socioeconomic data to identify inequities. The project will generate actionable evidence to guide policies that mitigate heat-related risks and promote climate resilience.

## Not reviewed – No longer aligned with administration priorities

### 1. Applicant Investigator | Diversity Supplement

Title: National Institutes of Health | National Institute on Drug Abuse

Parent Grant: Unpacking Disparities in Opioid Use Disorder Treatment Quality

with Marisa Domino (PI)

4/2025 – 6/2026 | \$159,916

Mechanism: R01 Diversity Supplement

Purpose: This diversity supplement supports training and research to examine disparities in the quality of opioid use disorder treatment, with a focus on identifying inequities and informing strategies to improve care delivery for incarcerated populations.

## PUBLICATIONS

**Total peer-reviewed: 16**

**Since joining ASU (2023–present): 10**

**2025 YTD: 6 publications; on track to double Year-1 submission volume**

**Lead authorship: 5 first/senior**

**Citations / h-index: 64 / 4**

**Highlight: One mentee-coauthored article scheduled for *Health Affairs***

**Trajectory: 3–4 additional first/senior manuscripts planned for submission this year**

### Published

1. Bondarchuk CP, **Lemon T**, Medina-Marino A, et al. A Moderated Mediation Model of HIV-Related Anticipated Stigma and Social Capital on the Relationship Between Diagnosis During the COVID-19 Pandemic and Potentially Problematic Substance Use Among Young South Africans. *IntJ Behav Med*. Published online November 18, 2025. doi:10.1007/s12529-025-10415-5 **[Impact factor (IF): 1.7]**
2. \*\*\***Lemon TL**, Domino ME, Thomas N, Zhang X. Associations Between Dependent-Related Job Lock And Adult Mental And Physical Health. *Health Affairs*. 2025;44(11):1349-1358. doi:10.1377/hlthaff.2025.00299 **(IF: 8.1)**
3. \*\*\*Zhang, X., Adams, L., **Lemon, TL**. Racial/Ethnic Variation in Health Insurance Coverage and Early Midlife Depressive Symptoms. *BMC Health Ser Res*. In press. **(IF: 3.0)**
4. Katz IT, **Lemon TL**, Rousseau E, et al. Why Are They Leaving? Factors Associated With Attrition After Testing Among Young South Africans Recently Diagnosed With HIV: An Observational Study. *J Adolesc Health*. 2025;77(3):549-556. doi:10.1016/j.jadohealth.2025.04.027 **(IF: 4.5)**
5. Bondarchuk CP, Magidson J, Mellins C, **Lemon, TL**, et al. Maladaptive Coping Strategies Mediate the Relationship Between Depression and Anxiety and Moderate-to-Heavy Alcohol Use in Young South Africans with HIV. *AIDS Behav*. Published online August 11, 2025. doi:10.1007/s10461-025-04849-x **(IF: 2.4)**
6. \*\*\* Zhang X, Adams LB, **Lemon TL**. Health Insurance Coverage from Adolescence to Early Midlife: Variation Across Race and Ethnicity. *J Gen Intern Med*. Published online June 30, 2025. doi:10.1007/s11606-025-09695-0 **(IF: 4.2)**
7. Bondarchuk CP, **Lemon TL**, Medina-Marino A, Rousseau E, Sindelo S, Sibanda N, Bekker LG, Butler LM, Earnshaw VA, Katz IT. Family Social Support Mediates the Relationship Between the COVID-19 Pandemic and Psychosocial well-being in a Cohort of Young South Africans Newly Diagnosed with HIV. *AIDS Behav*. 2024 Nov 16. doi: 10.1007/s10461-024-04552-3. Epub ahead of print. PMID: 39549210. **(IF: 2.4)**
8. \*\*\*Zhang X, **Lemon TL**. Health Insurance and Self-Rated Health From Adolescence to Early Midlife in the U.S. *Am J Prev Med*. 2024 Oct 9:S0749-3797(24)00344-1. doi: 10.1016/j.amepre.2024.10.002. Epub ahead of print. PMID: 39389222. **(IF: 4.5)**
9. Bondarchuk CP, **Lemon TL**, Medina-Marino A, Rousseau E, Sindelo S, Sibanda N, Butler LM, Bekker LG, Earnshaw VA, Katz IT. Food insecurity and unemployment as mediators of the relationship between the COVID-19 pandemic and psychological well-being in young South Africans with HIV. *BMC Public Health*. 2024 Sep 27;24(1):2622. doi: 10.1186/s12889-024-19966-w. PMID: 39333961; PMCID: PMC11437656. **(IF: 3.6)**
10. Bondarchuk C, **Lemon TL**, Earnshaw V, Rousseau E, Sindelo S, Bekker LG, Butler L, Katz I. Disclosure Events and Psychosocial Well-Being Among Young South African Adults Living with HIV. *Int J Behav Med*. 2024 Apr 24. doi: 10.1007/s12529-024-10291-5. Epub ahead of print. PMID: 38658438. **(IF: 1.7)**

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11. \*\*\***Lemon TL**, Tassiopoulos K, Tsai AC, Cantos K, Escudero D, Quinn MK, Kacanek D, Berman C, Salomon L, Nichols S, Chadwick EG, Seage GR 3rd, Williams PL; Pediatric HIV/AIDS Cohort Study (PHACS). Health Insurance Coverage, Clinical Outcomes, and Health-Related Quality of Life Among Youth Born to Women Living With HIV. *J Acquir Immune Defic Syndr*. 2023 Jan 1;92(1):6-16.
12. Simmons, M., Kim, B., Hyde, J., **Lemon, T. L.**, Scharer, K. E., & McInnes, D. K. (2021). Protecting the Public's Health Through Successful Reentry for Sex Offender After Incarceration. *Journal of interpersonal violence*.
13. Spaulding, A. C., Drobeniuc, A., Frew, P. M., **Lemon, T. L.**, Anderson, E. J., Cerwonka, C., ... & Del Rio, C. (2018). Jail, an unappreciated medical home: Assessing the feasibility of a strengths-based case management intervention to improve the care retention of HIV-infected persons once released from jail. *PloS one*, 13(3), e0191643.
14. Spaulding, A. C., **Lemon, T. L.**, & So, M. (2018). Measuring correctional experience to inform development of HIV, sexually transmitted infection, and substance use interventions for incarcerated black men who have sex with men. *American Journal of Public Health*, 108, S237–S239
15. Bhattacharyya, N., **Lemon, T. L.**, & Grove, A. (2019). A role for *Vibrio vulnificus* PecS during hypoxia. *Scientific reports*, 9(1), 1-12.
16. **Lemon T**, Spaulding A, Rich JD. Comment: State of Research Funding From the National Institutes of Health for Criminal Justice Health Research. *Ann Intern Med*. 2015 Aug 4;163(3):240. doi: 10.7326/L15-5116. PubMed PMID: 26237755.

**In preparation**

1. **Lemon, TL**, Zhang, X, Adams, L. Predictors of insurance coverage churn among people with depressive symptoms. *Expected submission by February 2026*.
2. **Lemon, TL**, Haut, T, Hswen, Y, Wesson, P, Domino, M, Furman, R. Artificial Intelligence Tools to Support Reentry for Justice-Involved Individuals: A Scoping Review. *Expected submission by February 2026*
3. **Lemon TL**, Wesson, P. Hard-to-Reach Person-Time: A Flexible Framework for Studying Shifting Access and Engagement in Epidemiology *Expected submission by February 2026*
4. **Lemon, TL**, Haut, T, Hswen, Y, Wesson, P, Domino, M, Sanders, K, Furman, R. Supporting Successful Reentry with AI: What Developers, Policymakers, and Practitioners Need to Know. *Expected submission by May 2026*
5. **Lemon, TL**, Williams, P. L., Tsai, A. C., Dickerman, B., & Jackson, J. Expand to Reduce: Health insurance interventions and health-related disparity reductions in the Women's Interagency HIV Study. *Expected submission by June 2026*
6. Domino, ME, Annis, I, Busch, A, Huskamp, H, Cené, C, Thomas, K, Sweeney, K, **Lemon, T**, Shestakova, E. Identifying intersection disparities in high quality care for people with opioid use disorder. *Expected submission by February 2026*
7. **Lemon, TL**, Domino, M, Martin, M. Incarceration and Public Mental Health: A Cohort Profile of Justice-Involved Medicaid Beneficiaries in Arizona. *Expected submission by March 2026*

## INVITED TALKS/ ORAL PRESENTATIONS

**Field recognition:** Oral at *AcademyHealth Annual Research Meeting* with mentee co-author  
**Community partnerships:** Maricopa County Dept. of Public Health; Correctional Health Services  
**Interdisciplinary:** Methods working group talk with the School of Criminology & Criminal Justice  
**Clinical / PCOR:** Quasi-experimental & target trial workshop for SSNE-STAR (patient-centered outcomes)  
**Educational reach:** Guest lectures at ASU and Stony Brook University  
**Stakeholder engagement:** CHiR 25th-Anniversary Stakeholder Meeting presentation  
**Keynote:** NSF LS-PAC MODELS Diversity in STEM Conference for underrepresented minority undergraduates

1. **Lemon, TL.** (2026, Feb). ResetGPT: Designing a GPT-based Support Tool for Individuals Leaving Incarceration. Statistics, Interpretation, Methods, and Data Workshop CCJ Methods Working Group. School of Criminology and Criminal Justice. Watts College of Public Service and Community Solutions. Arizona State University. Phoenix, Arizona.
2. **Lemon, TL.** (2025, Dec). Incarceration and Public Mental Health: An Opportunity for Population Impact. Arizona Health Care Cost Containment System (AHCCCS) Working Group Meeting. Virtual.
3. **Lemon, TL,** Johnston, S, Wonsowicz-Moore, J, Haut, T, Domino, ME, Wesson, P, Hswen, Y. (2025, Oct) From Jail to Community: Navigating Reentry Challenges in Maricopa County. Arizona Health Equity Conference. Phoenix, Arizona.
4. **Lemon, TL.** (2025, Oct) Quasi-Experimental Designs and Target Trials for Observational Research. Advancing Patient-Centered Outcomes Research Workshop. Southwest Safety Net Embedded Scientist Training and Research (SSNE-STAR). Phoenix, Arizona.
5. **Lemon, TL,** Domino, ME, Thomas, N, Zhang, X. (2025, Jun). Working 9 to Sick: Associations between Insurance-Related, Dependent-Associated Job Lock and Adult Mental and Physical Health. 2025 Annual Research Meeting. AcademyHealth. Minneapolis, MN.
6. **Lemon, TL.** (2025, Mar). Incarceration and Public Mental Health: An Opportunity for Population Impact. Justice Workgroup Meeting. Maricopa County Department of Public Health. Virtual.
7. **Lemon, TL.** (2025, Mar). Epidemiologic Methods for Causal Inference in Health Services Research. Arizona State University. Biomedical Informatics and Data Science Seminar. Phoenix, Arizona.
8. **Lemon, TL.** (2025, Mar). HIV Epidemiology: Much Accomplished, Much to Do. Stony Brook University. New York, New York. Virtual.
9. **Lemon, TL.** (2024, Oct). Incarceration and Public Mental Health: An Opportunity for Population Impact. Center for Health Information and Research. Phoenix, Arizona, United States. 25th Anniversary Fall Stakeholder Meeting.
10. **Lemon, TL.** (2024, Mar). HIV Epidemiology: Much Accomplished, Much to Do. Stony Brook University. New York, New York. Virtual.
11. **Lemon, TL.** (2024, Jan). Inference at the Intersections: Transdisciplinary Policy Assessment for Health Equity. Southwest Interdisciplinary Research Center. Phoenix, Arizona, United States: Health Equity Series
12. **Lemon, TL.** (2023, Nov). Inference at the Intersections: Transdisciplinary Policy Evaluation for Health Equity. College of Health Solutions Innovation Talks. Design and Innovation Studio for Health (DISH). Phoenix, Arizona.
13. **Lemon, TL.** (2023, July). Keynote: Finding Your STEM and Flourishing. LS-PAC MODELS Diversity in STEM Conference. New Orleans, Louisiana, United States: National Science Foundation, Louisiana State University.

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14. **Lemon, TL**, Dickerman, B., Williams, P. L., & Tsai, A. C. (2023, Mar). Insuring Quality of Life: Insurance coverage and wellness for people affected by HIV. Center for Global Health, Massachusetts General Hospital. Boston, Massachusetts.
15. **Lemon, TL**. (2023, Mar). HIV Epidemiology: Much Accomplished, Much to Do. Stony Brook University. New York, New York. Virtual.
16. **Lemon, TL** Tassiopoulos, K., Tsai, A.C., Cantos, K., Escudero, D., Quinn, MK, Kacanek, D., Berman, C., Salomon, L., Nichols, S., Chadwick, E., Seage, G.R., Williams, P.L. (2022, Apr) Health insurance coverage, HIV measures, and health-related quality of life among people born to women living with HIV. New England Science Symposium. Virtual.
17. **Lemon, TL** Tassiopoulos, K., Tsai, A.C., Cantos, K., Escudero, D., Quinn, MK, Kacanek, D., Berman, C., Salomon, L., Nichols, S., Chadwick, E., Seage, G.R., Williams, P.L. (2021, Oct) Health insurance coverage, HIV measures, and health-related quality of life among people born to women living with HIV. Pediatric HIV/AIDS Cohort Study (PHACS) Fall Networking Meeting. Virtual.
18. **Lemon, TL**, So, Marvin, Spaulding, Anne (2017, June) Lifetime Prevalence of Incarceration among U.S. Men by Race and Educational Level: Implications for Health? Oral presentation for the Society of Epidemiologic Research (SER) Annual Conference, Seattle, WA
19. **Lemon, TL**, Uwera G, Umvilighozo G, Bizimana J, Farmer P, Karita E, Hunter E, Allen (2015, Oct) "Seroconversion in Rural Rwanda: Linkage Analyses of 76 Couples." Oral presentation for Rwanda-Zambia HIV Research Group (Supported by Global Field Experience).
20. **Lemon, T.**, Garrett, S., Grove, A. (2012, Apr) "Characterization of a MarR Homolog in *Vibrio vulnificus*." Oral presentation at the LSU Undergraduate Research Competition, Baton Rouge, LA.
21. **Lemon, T.**, Alvino, D., Ndhlovu, Z., and Walker, B.D. (2011, Nov) "Role of Functional Avidity in CD8+ T cell effector functions." Presentation given at LSU Triple EX(Explore, Excite, Experiment) Symposium, Baton Rouge, LA.

## POSTER PRESENTATIONS

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Posters span justice-involved Medicaid behavioral health and insurance/job-lock & health at CHS and Arizona Health Equity venues.

**Student impact:** two student-led posters\*\*\*

1. \*\*\*Keshtar, K, Domino, ME, Martin, M, **Lemon, TL**. (2025, Oct). Mental and Behavioral Health Profiles of Justice-Involved Individuals: Insights from the Arizona Health Care Cost Containment System (AHCCCS). Arizona Health Equity Conference. Phoenix, Arizona.
2. **Lemon, TL**, Domino, ME, Thomas, N, Zhang, X. (2025, Jun). Working 9 to Sick: Associations between Insurance-Related, Dependent-Associated Job Lock and Adult Mental and Physical Health. (2025, Feb). Faculty and Staff Research Day. College of Health Solutions. Arizona State University. Phoenix, Arizona.
3. \*\*\*Keshtar, K, Domino, ME, Martin, M, **Lemon, TL**. (2025, May). A Population-based Approach to Evaluating Behavioral Health Utilization Related to Incarceration. College of Health Solutions Research Day. Arizona State University. Phoenix, Arizona.
4. Domino, ME, Annis, I, Busch, A, Huskamp, H, Thomas, K, Cene, C, Shestakova, E, **Lemon, TL**, Ramaswamy, S, Sweeney, K. Heterogeneity in Opioid Use Disorder Treatment Quality: An Intersectional Approach. 2024 Addiction Health Services Research Conference. San Francisco, California.

5. **Lemon, TL**, Tsai, AC, Williams, PL, Ramirez, C, Cantos, K, Escudero, D, ... Dickerman, B. (2024, Jan). Health Insurance Coverage and Health-related Quality of Life: A Target Trial Emulation in the Women's

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Interagency HIV Study. Faculty Research Success Day. College of Health Solutions Arizona State University. Phoenix, Arizona.

6. Makuvire, T., **Lemon, TL**, Rousseau, E., Sindelo, S., Julies, S.W., Bekker, L., Katz, I. (2022, July) Food Insecurity and Trust in Providers Among Adolescents and Young Adults Newly Diagnosed with HIV. The 24<sup>th</sup> International AIDS Conference.
7. **Lemon, TL** et al. (2022, Apr) Health Insurance Coverage and Health-related Quality of Life for Medicaid-eligible Women with HIV and Women at Risk of HIV. Harvard T.H. Chan School of Public Health, Biostatistics Department, HIV Working Group. Virtual.
8. **Lemon, TL**, Uwera G, Umvilighozo G, Bizimana J, Farmer P, Karita E, Hunter E, Allen (2015, Oct) "Seroconversion in Rural Rwanda: Linkage Analyses of 76 Couples." Poster presented at Rollins School of Public Health Practicum Fair (Supported by Global Field Experience).
9. **Lemon, T.**, Alvino, D., Ndhlovu, Z., and Walker, B.D. (2012, June) "Role of Functional Avidity in CD8+ T cell effector functions." Poster presented at The French-American Workshop, Grenoble, France (Supported by LSU HHMI).
10. **Lemon, T.**, et al. "Role of functional avidity in HIV-specific memory CD8 T cell effector functions." *Retrovirology* 9.Suppl 1 (2012): P26. Poster presented at The International Symposium on HIV and Emerging Infectious Disease, Marseille, France (Supported by LSU HHMI).
11. **Lemon, T.**, Garrett, S., Grove, A. (2012, Apr) "Characterization of a MarR Homolog in *Vibrio vulnificus*." Poster presented at the American Society of Biochemistry and Molecular Biology (ASBMB), San Diego, CA. (Supported by ASBMB Competitive Undergraduate Travel Award).
12. **Lemon, T.**, Alvino, D., Ndhlovu, Z., and Walker, B.D. (2012, Mar) "Role of Functional Avidity in CD8+ T cell effector functions." Poster presented at Embassy of France in Washington, DC.
13. **Lemon, T.**, Alvino, D., Ndhlovu, Z., and Walker, B.D. (2011, Aug) "Role of Functional Avidity in CD8+ T cell effector functions." Poster presented at Harvard University Undergraduate Summer Internship Poster Session, Cambridge, MA.
14. **Lemon, T.** and Grove, A. (2011, Apr) "Characterization of a MarR homolog in *Vibrio vulnificus*" Poster presented at LSU Poster Session/Workshop Series, Baton Rouge, LA.
15. **Lemon, T.** and Grove, A. (2010, Nov) "Characterization of a MarR homolog in *Vibrio vulnificus*" Poster presented at LSU Triple EX(Explore, Excite, Experiment) Symposium, Baton Rouge, LA.
16. **Lemon, T.** and Grove, A. (2010, Jul) "Characterization of a MarR homolog in *Vibrio vulnificus*" Poster presented at Louisiana Biomedical Research Network Summer Undergraduate Research Forum, Baton Rouge, LA.

## **MEDIA & PUBLIC SCHOLARSHIP**

### **Podcast: Job Lock's Hidden Health Costs (2025, Nov)**

*Invited Guest Expert*

*A Health Podyyssey, Health Affairs*

- Invited to discuss original *Health Affairs* research examining dependent-related job lock and its associations with adult mental and physical health. Interviewed by *Health Affairs* staff on the policy implications of employer-sponsored insurance constraints, labor mobility, and downstream health consequences, translating peer-reviewed findings for a broad policy, academic, and practitioner audience.

### **Webinar: A Multimethod Approach to Understand the ways in which Structural Forces Shape Individual Lives** (2025, Nov)

#### *Developer & Moderator*

Interdisciplinary Association for Population Health Science (IAPHS) – Virtual

- Developed and executed agenda; produced questions and run-of-show.
- Moderated 90-minute session on the integration of multiple interdisciplinary methods, legal epidemiology, quantitative, qualitative and community-based participatory research to explore how educational access to various legal contexts shape the life course of insecurely documented immigrant students.

### **Webinar: Science With, Not On: The Power of Partnership in Community-Engaged Research** (2025, Mar)

#### *Developer & Moderator*

Interdisciplinary Association for Population Health Science (IAPHS) – Virtual

- Conceived program theme; recruited speakers (Kimbrae S.; Claire Berman; Mandy Flores); developed agenda and run-of-show.
- Moderated 90-minute session on meaningful community engagement in epidemiological cohort studies, featuring the national, multi-site Pediatric HIV/AIDS Cohort Study (PHACS) model for equitable researcher-participant partnerships and practical translation to attendees' research.
- Recording available via IAPHS (<https://iaphs.org/tools-for-success/online-events/science-with-not-on-the-power-of-partnership-in-community-engaged-research/>)

## **TEACHING EXPERIENCE**

**Course development:** Resigned, refreshed, and taught new undergraduate and graduate courses in epidemiology and population health at ASU

**Research lab leadership:** Founded the THREAD Lab, creating infrastructure for student-led projects on health equity and justice-involved populations.

### **Arizona State University, College of Health Solutions** (Phoenix, AZ)

*2024 - Present*

1. Epidemiology in Population Health (POP 644) – Instructor
  - Fall 2025 (In-person); 10 students
  - **Course design & pedagogy**
    - Designed and led a **scaffolded, semester-long analytic epidemiology project** culminating in a publication-style research report using real-world MEPS data, with structured milestones (topic selection, literature review, methods, results, discussion) and iterative peer review to support skill development and reduce end-of-semester cognitive load.
    - Introduced students to **hands-on data analysis in R, including guided installation, reproducible workflows**, descriptive statistics, and unadjusted measures of association, emphasizing interpretation and scientific writing over "black-box" computation.
    - Integrated a **dynamic, role-based outbreak investigation exercise**, allowing students to assume multiple epidemiologic roles (e.g., surveillance, analytic, communications) to apply person-place-time reasoning, causality, and prevention in real time.
    - Emphasized **inclusive, high-support learning norms** (clarity, accessibility, collaboration) and frequent in-class project work time to promote engagement and confidence with quantitative material.

- **Student evaluation (Fall 2025)**
  - Instructor effectiveness: **4.6 / 5.0**
  - 100% of respondents agreed or strongly agreed that the instructor presented material clearly, encouraged engagement, and was available and supportive; qualitative feedback highlighted passion, clarity, and the value of the scaffolded final project
- **Peer teaching review (Niko Verdecias-Pellum)**
  - Commended for clear, well-structured lectures; breaking down complex epidemiologic concepts into accessible language; and strong continuity across modules that intentionally build toward the final analytic report.
  - Noted as particularly effective in integrating **cumulative skill-building**, peer review, and applied interpretation to prepare students for real-world public health practice and future analytic work

## 2. Health Research Scholars (CHS 494/280) – Instructor/Research Mentor

- Fall 2025
- **Undergraduate researchers**
  - Zeeza Abdalla: Aging into Medicare for Women with HIV
  - Aaron Wang: Insurance Disruptions and Diabetes Care
  - Stephanie Becerra Toledo: Insurance Disruptions and Mental Health Challenges
- **Course Design**
  - Mentored undergraduate students through first-time, semester-long research projects using quantitative health data, with an emphasis on reproducible research practices and applied health services research.
  - Provided weekly, hands-on training in R, including guided instruction and code review covering data importation, cleaning, recoding, visualization, and descriptive and analytic techniques using publicly available datasets. Supported students in data management, documentation, and interpretation of results.
  - Students developed independent research projects examining health insurance coverage and care access among populations living with chronic illness, including people living with diabetes and women living with HIV. Mentored one senior undergraduate through completion of an original research project suitable for poster or manuscript development.

## 3. Research (POP 792) – Instructor/Research Mentor

- Fall 2025
- **Student:** Bothwell Piason (Doctoral Student, School of Criminology and Criminal Justice)
- **Topic:** Social Support and Healthcare Outcomes Among Individuals with Sexual Offense Histories: A Scoping Review
- **Course Design**
  - Directed a doctoral-level independent study focused on health care access among justice-involved populations, integrating theory, empirical literature, and applied research methods.
  - Assigned weekly structured readings and mentoring meetings to support development of a scoping review examining social support modalities used to facilitate health care access for individuals with sexual offense histories following incarceration. Provided guidance on scoping review methodology, search strategy development, screening, abstraction, and synthesis.
  - Project is ongoing, with a peer-reviewed manuscript anticipated for submission in Spring 2026.

## 4. Epidemiology (HEP 444) – Instructor

- Spring 2024, Spring 2025 (Virtual); ~50 students per semester

- Led team of graduate assistants (GA) and an academic associate (AA)
  - GAs: Nalani Thomas, Umar Hassan, Ismail Zubair (doctoral students)
  - AA: Taran Haut
- Course development
  - **Introduced "EPI'C Chats"** - after-hours sessions connecting epidemiology skills to career pathways, co-led with the teaching team.
  - **Implemented Yellowdig discussion platform** to foster peer engagement and community-building in an online course setting.
- Student evaluation
  - Overall: 4.5
  - Notable gains in engagement & overall effectiveness from 2024 to 2025: 4.4 → 4.8 (+0.4); 4.3 → 4.6 (+0.3)
- Peer teaching review (Donna Hitt)
  - Innovative use of Yellowdig to promote student engagement, with prompts connecting course content to real-world population health issues.
  - Well-aligned learning objectives and assessments, clearly linked to competencies for Certified Health Education Specialist (CHES) preparation.
  - Clear, supportive syllabus policies that balance student responsibility with instructor accessibility, fostering independence and mutual respect.
  - Effective integration of real-world data in assignments (e.g., BRFSS analysis), with structured instructions that build confidence and transferable skills

#### 5. Foundations of Health Education and Health Promotion (HEP 102) – Instructor

- Fall 2024 (Virtual); ~50 students
- Student evaluation
  - Overall: 4.3
  - Students described instructor as approachable, upbeat, knowledgeable, and supportive, with feedback described as clear, helpful, and constructive

#### **Harvard Medical School, Harvard University (Boston, MA)**

2020 - 2021

1. Introduction to Epidemiology and Biostatistics – Curriculum Fellow
  - 20+ graduate students
  - Course development:
    - Developed exam materials to assess student mastery of key concepts in epidemiology and biostatistics
    - Managed course website along with organization of content
    - Lectured and facilitated weekly review sessions on epidemiology and biostatistics
    - Developed guided tutorials on data management and analysis in STATA

#### **Harvard TH Chan School of Public Health, Harvard University (Boston, MA)**

2017- 2021

1. Core Principles of Biostatistics and Epidemiology for Public Health Practice (ID 201) – Teaching Fellow
  - Fall 2017, Fall 2018, Fall 2019; 200+ students per semester
2. Epidemiology of HIV: Etiology, Natural History & Transmission (EPI 255) – Teaching Fellow
  - Fall 2019, Fall 2021; ~25 students per quarter
3. Summer Program in Epidemiology – Instructor
  - Summer 2018, Summer 2019; ~20 high school juniors
  - Course development:
    - Revised course curriculum and organization of key epidemiologic concepts
    - Developed weekly materials to assess student mastery of key concepts in epidemiology and biostatistics
    - Designed three-week practicum to simulate the epidemiologic research process

**Harvard College, Harvard University** (Cambridge, MA)

2018

1. Global Infectious Diseases and Social Justice: Lessons from Science, History, & Humanities (SCILIVSY 26) – Teaching Fellow
  - Fall 2018; 50+ undergraduate students

**Emory University Rollins School of Public Health** (Atlanta, GA)

2015

1. Correctional Healthcare Epidemiology (EPI 523) – Teaching Assistant
  - Fall 2018; ~15 graduate students

**MENTORSHIP****1. Arizona State University, College of Health Solutions, Population Health PhD Program**

- Secondary mentor: Michael Jobin, PhD student (2024 – Current)
- Committee member
  - Kaylin Sweeney (2024 – Current)
  - Nalani Thomas (2024 – Current)
  - Elisabeth Williams (2025 – Current)

**• Arizona State University, College of Health Solutions, Biomedical Informatics MS Program**

- Clinical Informatics Fellowship mentor: Tim Raissian (2025 – Current)

**• Arizona State University, School of Criminology and Criminal Justice, Criminology and Criminal Justice PhD Program**

- Independent study mentor: Bothwell Piason (2025 – Current)

**• Arizona State University, College of Health Solutions**

- Research mentor: Roberto Felix (2024 – 2025)
  - Completed May 2025
  - Placement: Arizona State University, Biomedical Informatics and Data Science Masters Program

**• University of Alabama at Birmingham, School of Public Health**

- Research mentor: Taran Haut (2025 – Current)

**• Harvard University, Harvard College**

- Research mentor: Kevin Wu (2022 – 2023)

**COLLEGE, UNIVERSITY, AND PROFESSIONAL SERVICE****1. Arizona State University, College of Health Solutions**

- Academic Standards and Grievances Committee, Member (2025 – Current)
- ASU Biomedical Informatics Mock Boards Judge (2025)
- College of Health Solutions Dean's Search Committee (2025)
- Center for Health Information and Research, Sickle Cell Data Collection Team (2024 – 2025)
- Student Engagement and Retention
  - Health Devil Welcome 2025
  - Let's Give Thanks Dinner (2023, 2024)
  - Pop Health Trivia (2024)
  - Finals Stress Relief Workout (2023)
- Faculty Community Building
  - Writing in the Wilderness (2025)
- Volunteering
  - Feed My Starving Children (2024)

2. **Honor Health, Clinical Informatics Fellowship**
  - o ASU Core Faculty, Mentor (2025 – Current)
3. **Interdisciplinary Association for Population Health Science**
  - a. Professional Development Committee (2024 - Current)
4. **Manuscript Review**
  - b. Drug and Alcohol Dependence (2024 – 2025)
  - c. Health Services Research (2024)
5. **Conference Abstract Reviews**
  - d. Society for Epidemiology Research (2024 – 2025)
  - e. AcademyHealth (2024)
  - f. Interdisciplinary Association for Population Health Science (2024)

## **PROFESSIONAL MEMBERSHIPS AND AFFILIATIONS**

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Society for Epidemiological Research

AcademyHealth

Interdisciplinary Association for Population Health Science

Arizona Public Health Association

Academic Consortium of Criminal Justice Research

ASU Faculty Women of Color Caucus

## **HONORS & AWARDS**

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1. Arizona State University AI Innovation Challenge (2025)
2. Brandeis-Harvard SUD Systems Performance Improvement Research and Engagement (SPIRE) Fellow (2025 – 2026)
3. University of California at San Francisco Hard-to-Reach Populations (H2R) Fellow (2024 - 2025)
4. Distinguished Young Alumni, Louisiana State University, A.P. Tureaud Sr. Black Alumni Chapter (2024)
5. Center for Health Equity and Research Fellow (2024)

<b>Prior to ASU</b>
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6. Loan Repayment Award – National Institutes of Health (2023 - 2025)
7. Massachusetts General Hospital Well-being Education Grant (2023)
8. Teaching Assistant Recognition Award – Harvard T.H. Chan School of Public Health (2021)
9. Research Fellow – Fostering Diversity in HIV Research Program (2020 – 2021)
10. Distinction in Teaching – Harvard Epidemiology (2019)
11. Excellence in Teaching – Harvard Derek Bok Center for Teaching and Learning (2018)
12. Harvard Presidential Scholar (2016)
13. Emory's Global Field Experience Research Award (2015)
14. 1st Place – Emory's Global Health Case Competition (2014)
15. Charles C. Shepard Merit Scholarship – Rollins School of Public Health (2014)
16. American Chemical Society Scholar (2009 – 2013)
17. Initiative for Maximizing Student Diversity Scholar (2012 – 2013)
18. A. P. Tureaud Milestone Award (2013)
19. LSU College of Science – Outstanding Senior in Biochemistry (2013)

20. LSU College of Science – Dean’s Award (2013)
21. 1st Place – LSU Undergraduate Research Conference – Oral Presentation (2012)
22. Charles S. McCleskey Memorial Award (2012)
23. Barry M. Goldwater Honorable Mention (2012)
24. American Society for Biochemistry and Molecular Biology Competitive Undergraduate Travel Award (2012)
25. LSU Howard Hughes Medical Institute (HHMI) International Research Scholar (2012)
26. Chancellor’s Honor Roll (2010, 2011)
27. Tiger Athletic Foundation-Promising National Scholars (2011)
28. HHMI Exceptional Research Opportunities Program (EXROP) Scholar (2011)
29. Dean’s List (2010)
30. LSU Alumni Top 100 Scholarship (2009)
31. LSU National Scholar’s Award (2009)

## **LEADERSHIP AND CAREER DEVELOPMENT**

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1. Arizona State University, College of Health Solutions Faculty Mentoring Program
  - Mentors
    - Marisa Domino
    - Adela Grando
    - Megan Jehn
2. Ignite Health Workshop (2025)
  - Helped faculty uncover translational opportunities across diverse research areas, including prevention, policy, education, and systems-level work. In partnership with Edson E+I and Skysong Innovations, the workshop supported participants in identifying practical pathways to extend their research and framing ideas for broader application.
3. Faculty Development Connection Circles – ASU Faculty Women’s Association and ASU ADVANCE (2024)
4. Massachusetts General and Harvard Medical School Mentoring the Mentors Workshop (2023 – 2024)
5. National Center for Faculty Development and Diversity Faculty Success Program (2024)
6. ASU Women of Color Writing Group (2023 – Current)

<b>Prior to ASU</b>
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7. LS-PAC MODELS Graduate and Post-doctoral Mentor (2023)
8. Resident Tutor, Mather House, Harvard College (2022 - 2023)
9. Harvard Center for AIDS Research Delegate, Inaugural National Inter-CFAR Underrepresented Minority HIV Investigator Meeting (2022)
10. Black Graduate Ministries Leadership Team (2017- 2022)
11. Student Voices Chair – Harvard T.H. Chan School of Public Health (2017-2019)
12. Derek Bok Center Teaching Training (2018)
13. Deans Advisory Committee for Diversity and Inclusion (DACDI) (2017-2019)
14. Scholars in Action – Integration Committee (2015)
15. Emory’s Graduate Christian Fellowship Leadership Team (2015)
16. Emory’s Student Outbreak and Response Team (2014 – 2016)
17. Back to School Extravaganza Planning Committee (2014)
18. Dialogue on Race Louisiana (2013 – 2014)

19. Communication Across the Curriculum Advisory Council (2011-2013)
20. Honors College Advocates (2011-2013)
21. I3 Governing Council (2010-2012)
22. LA-STEM Advisory Board (2009-2011)
23. Community Bound Service Plunge (2009-2012)