Theodore L. Caputi

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Born: August 25, 1994—Princeton, New Jersey, U.S.A.
Citizenship: United States of America

Education

2019-2025	Candidate for Ph.D. in Economics, Massachusetts Institute of Technology
2019-2020	Candidate for M.Sc. by Research in Health Sciences, University of York
2017-2019	M.P.H. in Advanced Epidemiology, University College Cork
2013-2017	B.S. *summa cum laude* in Economics, University of Pennsylvania
2009-2013	High school diploma, Council Rock High School North

Appointments & employment

2017-	Part-Time Research Assistant, Harvard Medical School Health Equity Research Lab
2015-	Policy Fellow, University of Florida Drug Policy Institute
2017-2020	Part-Time Research Assistant, UCSD Center for Data-Driven Population Medicine
2018-2019	Full-time Research Assistant for Prof. Amanda Pallais, Harvard Economics/NBER
2017-2019	Part-Time Research Assistant, Penn Center for Health Incentives and Behavioral Economics
2017-2018	Part-Time Research Assistant for Prof. Francis Diebold, Penn Economics
2017	Part-Time Research Assistant for Prof. Mark Dredze, Johns Hopkins Computer Science
2016	Fall Semester Research Assistant, White House Office of National Drug Control Policy

Honors & awards

2019-2024	NSF Graduate Research Fellow
2019-2024	MIT Graduate Fellow
2019-2020	Marshall Scholar
2018	Annual Cameron Lecture, University College Cork
2017-2018	Mitchell Scholar
2017	Clarendon Scholarship, University of Oxford (Declined)
2017	Phi Beta Kappa, University of Pennsylvania
2016	Beta Gamma Sigma, University of Pennsylvania
2015	Leonard Davis Institute Undergraduate Research Prize, University of Pennsylvania

Publications & presentations[1]

2021 **Caputi, T. L.** (2021). What cannabis can learn from Covid: Hydroxychloroquine research suggests the next step for medical cannabis research. International Journal of Drug Policy, 93, 103133. doi:10.1016/j.drugpo.2021.103133 [Link | PDF]

2020 **Caputi, T. L.**, Shover, C. L., Watson, R. J. (2020). Physical and Sexual Violence Among Gay, Lesbian, Bisexual, and Questioning Adolescents. JAMA Pediatrics, 174(8), 791. doi:10.1001/jamapediatrics.2019. [Link | PDF]

2020 **Caputi, T. L.**, Ayers, J. W., Dredze, M., Suplina, N., Burd-Sharps, S. (2020). Collateral Crises of Gun Preparation and the COVID-19 Pandemic: Infodemiology Study. JMIR Public Health and Surveillance, 6(2), e19369. doi:10.2196/19369 [Link | PDF]

2020 **Caputi, T. L.**, Burd-Sharps, S., Ayers, J. W., Dredze, M., Suplina, N. (2020). What Search Data Shows About Americans and Guns During the COVID-19 Crisis. Everytown Research. Accessed at https://archive.is/wxoPl. [Link | PDF]

2019 **Caputi, T. L.**, Nobles, A. L., Ayers, J. W. (2019). Internet Searches for Sexual Harassment and Assault, Reporting, and Training Since the MeToo Movement. JAMA Internal Medicine, 179(2), 258. doi:10.1001/jamainternmed.2018.5094 [Link | PDF]

2018 **Caputi, T. L.**, Smith, L. R., Strathdee, S. A., Ayers, J. W. (2018). Substance Use Among Lesbian, Gay, Bisexual, and Questioning Adolescents in the United States, 2015. American Journal of Public Health, 108(8), 10311034. doi:10.2105/ajph.2018.304446 [Link | PDF]

2018 **Caputi, T. L.**, Humphreys, K. (2018). Medical Marijuana Users are More Likely to Use Prescription Drugs Medically and Nonmedically. Journal of Addiction Medicine, 12(4), 295299. doi:10.1097/adm.0000000000000405 [Link | PDF]

2018 **Caputi, T. L.** (2018). Sex and orientation identity matter in the substance use behaviors of sexual minority adolescents in the United States. Drug and Alcohol Dependence, 187, 142148. doi:10.1016/j.drugalcdep.2018.01.012 [Link | PDF]

2018 **Caputi, T. L.**, Leas, E. C., Dredze, M., Ayers, J. W. (2018). Online Sales of Marijuana: An Unrecognized Public Health Dilemma. American Journal of Preventive Medicine, 54(5), 719721. doi:10.1016/j.amepre.2018.01.032 [Link | PDF]

2017 **Caputi, T. L.**, Smith, D., Ayers, J. W. (2017). Suicide Risk Behaviors Among Sexual Minority Adolescents in the United States, 2015. JAMA, 318(23), 2349. doi:10.1001/jama.2017.16908 [Link | PDF]

2017 **Caputi, T. L.**, Leas, E., Dredze, M., Cohen, J. E., Ayers, J. W. (2017). Theyre heating up: Internet search query trends reveal significant public interest in heat-not-burn tobacco products. PLOS ONE, 12(10), e0185735. doi:10.1371/journal.pone.0185735 [Link | PDF]

2017 **Caputi, T. L.** (2017). Google Searches for Cheap Cigarettes Spike at Tax Increases: Evidence from an Algorithm to Detect Spikes in Time Series Data. Nicotine Tobacco Research, 20(6), 779783. doi:10.1093/ntr/ntx143 [Link | PDF]

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[1]Most of my publications are available free of charge at https://www.theodorecaputi.com/publications. My Google Scholar profile is accessible at http://goo.gl/fVRxR4.

2017   **Caputi, T. L.** (2017). Assessing the Possibility of Leadership Education as Psychosocial-Based Problem Behavior Prevention for Adolescents: A Review of the Literature. Journal of Leadership Education, 16(1), 115132. doi:10.12806/v16/i1/t2 [Link | PDF]

2016   **Caputi, T. L.**, Thomas McLellan, A. (2016). Truth and D.A.R.E.: Is D.A.R.E.s new Keepin it REAL curriculum suitable for American nationwide implementation? Drugs: Education, Prevention and Policy, 24(1), 4957. doi:10.1080/09687637.2016.1208731 [Link | PDF]

2016   **Caputi, T. L.** (2016). The case for uniform controls in drug policy studies. International Journal of Drug Policy, 33, 102104. doi:10.1016/j.drugpo.2016.06.005 [Link | PDF]

2015   **Caputi, T. L.** (2015). Selling prevention: Using a business framework to analyze the state of prevention and overcome obstacles to expanding substance abuse prevention. The Journal of Global Drug Policy and Practice. [Link | PDF]

Uninvited Commentary

2020   **Caputi, T. L.** (2020). The Medical Marijuana Industry and the Use of Research as Marketing. American Journal of Public Health, 110(2), 174175. doi:10.2105/ajph.2019.305477 [Link | PDF]

2019   **Caputi, T. L.** (2019). Medical marijuana laws, substance use treatment admissions and the ecological fallacy. Addiction, 115(1), 188189. doi:10.1111/add.14748 [Link | PDF]

2019   Ayers, J. W., **Caputi, T. L.**, Leas, E. C. (2019). The Need for Federal Regulation of Marijuana Marketing. JAMA, 321(22), 2163. doi:10.1001/jama.2019.4432 [Link | PDF]

2019   **Caputi, T. L.** (2019). Medical Cannabis Use. Health Affairs, 38(5), 874874. doi:10.1377/hlthaff.2019.00198 [Link | PDF]

2019   **Caputi, T. L.** (2019). Medical marijuana, not miracle marijuana: some wellpublicized studies about medical marijuana do not pass a reality check. Addiction, 114(6), 11281129. doi:10.1111/add.14580 [Link | PDF]

2018   **Caputi, T. L.**, Sabet, K. A. (2018). Population-Level Analyses Cannot Tell Us Anything About Individual-Level Marijuana-Opioid Substitution. American Journal of Public Health, 108(3), e12e12. doi:10.2105/ajph.2017.304253 [Link | PDF]

2017   **Caputi, T. L.** (2017). Whether medical marijuana is ever substituted for other substances is not the full story. Drug and Alcohol Review, 36(4), E3E4. doi:10.1111/dar.12494 [Link | PDF]

2017   **Caputi, T. L.**, McLellan, A. T. (2017). Response to Comment by Hecht Miller-Day on Truth and D.A.R.E.: Is D.A.R.E.s new Keepin it REAL curriculum suitable for American nationwide implementation? Drugs: Education, Prevention and Policy, 24(2), 226226. doi:10.1080/09687637.2017.1288681 [Link | PDF]

2016   **Caputi, T. L.**, Humphreys, K. (2016). Medicare Recipients Use Of Medical Marijuana. Health Affairs, 35(10), 19361936. doi:10.1377/hlthaff.2016.1108 [Link | PDF]

2016   **Caputi, T. L.** (2016). Industry watch: heat-not-burn tobacco products are about to reach their boiling point. Tobacco Control, 26(5), 609610. doi:10.1136/tobaccocontrol-2016-053264 [Link | PDF]

2016   **Caputi, T. L.**, Sabet, K. A. (2016). Commentary on New Perspectives on Drug Educa-

tion/Prevention. Journal of Psychoactive Drugs, 48(3), 227229. doi:10.1080/02791072.2016.1197989 [Link | PDF]

Invited Commentary

2020 **Caputi, T. L.** (2020). Commentary on FurrHolden et al.: Drugs, class, and racerecent developments in the opioid epidemic call for urgent next steps. Addiction, 116(3), 684685. doi:10.1111/add.15339 [Link | PDF]

Team Science

2021 Johnson, D. C., Nobles, A. L., **Caputi, T. L.**, Liu, M., Leas, E. C., Strathdee, S. A., Ayers, J. W. (2021). Monitoring HIV testing and pre-exposure prophylaxis information seeking by combining digital and traditional data. BMC Infectious Diseases, 21(1). doi:10.1186/s12879-021-05907-0 [Link | PDF]

2021 Acevedo, A., Mullin, B. O., Progovac, A. M., **Caputi, T. L.**, McWilliams, J. M., Cook, B. L. (2021). Impact of the Medicare Shared Savings Program on utilization of mental health and substance use services by eligibility and race/ethnicity. Health Services Research. doi:10.1111/1475-6773.13625 [Link | PDF]

2021 Ayers, J. W., Poliak, A., Johnson, D. C., Leas, E. C., Dredze, M., **Caputi, T. L.**, Nobles, A. L. (2021). Suicide-Related Internet Searches During the Early Stages of the COVID-19 Pandemic in the US. JAMA Network Open, 4(1), e2034261. doi:10.1001/jamanetworkopen.2020.34261 [Link | PDF]

2020 Leas, E. C., Nobles, A. L., **Caputi, T. L.**, Dredze, M., Zhu, S.-H., Cohen, J. E., Ayers, J. W. (2020). News coverage of the E-cigarette, or Vaping, product use Associated Lung Injury (EVALI) outbreak and internet searches for vaping cessation. Tobacco Control, tobaccocontrol2020055755. doi:10.1136/tobaccocontrol-2020-055755 [Link | PDF]

2020 Liu, M., **Caputi, T. L.**, Dredze, M., Kesselheim, A. S., Ayers, J. W. (2020). Internet Searches for Unproven COVID-19 Therapies in the United States. JAMA Internal Medicine, 180(8), 1116. doi:10.1001/jamainternmed.2020.1764 [Link | PDF]

2020 Nobles, A. L., Leas, E. C., **Caputi, T. L.**, Zhu, S.-H., Strathdee, S. A., Ayers, J. W. (2020). Responses to addiction help-seeking from Alexa, Siri, Google Assistant, Cortana, and Bixby intelligent virtual assistants. Npj Digital Medicine, 3(1). doi:10.1038/s41746-019-0215-9 [Link | PDF]

2019 Leas, E. C., Nobles, A. L., **Caputi, T. L.**, Dredze, M., Smith, D. M., Ayers, J. W. (2019). Trends in Internet Searches for Cannabidiol (CBD) in the United States. JAMA Network Open, 2(10), e1913853. doi:10.1001/jamanetworkopen.2019.13853 [Link | PDF]

2018 Ayers, J. W., Dredze, M., Leas, E. C., **Caputi, T. L.**, Allem, J.-P., Cohen, J. E. (2018). Next generation media monitoring: Global coverage of electronic nicotine delivery systems (electronic cigarettes) on Bing, Google and Twitter, 2013-2018. PLOS ONE, 13(11), e0205822. doi:10.1371/journal.pone.0205822 [Link | PDF]

2018   Ayers, J. W., **Caputi, T. L.**, Nebeker, C., Dredze, M. (2018). Dont quote me: reverse identification of research participants in social media studies. Npj Digital Medicine, 1(1). doi:10.1038/s41746-018-0036-2 [Link | PDF]

2017   Allem, J.-P., Leas, E. C., **Caputi, T. L.**, Dredze, M., Althouse, B. M., Noar, S. M., Ayers, J. W. (2017). The Charlie Sheen Effect on Rapid In-home Human Immunodeficiency Virus Test Sales. Prevention Science, 18(5), 541544. doi:10.1007/s11121-017-0792-2 [Link | PDF]

OTHER ACADEMIC WORKS

2020   Acknowledged contribution to: Mas A, Pallais A. Alternative work arrangements. NBER Working Paper 26605. *NBER.*

2017   **Caputi TL**. Heed the author's warning to interpret results cautiously: a response to Shi. *Published by the University of Florida Drug Policy Institute.*

2015   Gitlow S, Richter K, Levy S, Harris SK, Zinsmeister J, **Caputi TL**, Titelbaum S, Samuels H, Atkinson D. The International Center for Science in Drug Policy (ICSDP) publishes misleading report on marijuana. *Published by the University of Florida Drug Policy Institute.*

2015   **Caputi TL**. Improving admissions and impacting society: The case for social-emotional intelligence as an undergraduate admissions criterion. *3808: Journal of Critical Writing.* 9(1):13-17. Available at http://www.writing.upenn.edu.

2014   The clinical and cost effectiveness of three FDA-approved addiction medications. [Policy Brief]. *Published by the American Society for Addiction Medicine and the Treatment Research institute.*

2014   Acknowledged contribution (see back cover) to: Paving the way to change: Advancing quality interventions for adolescents who use, abuse, or are dependent upon alcohol and other drugs. *Published by the Treatment Research Institute.*

PRESENTATIONS

2019   Oral Presentation, **Society for Social Medicine and Population Health and International Epidemiology Association European Congress Joint Annual Scientific Meeting 2019**

2019   Panel Moderator, **Smart Approaches to Marijuana Education Summit**

2018   Invited Speaker & Poster Presentation, **University College Cork Cameron Lecture**
- Best Poster

2018   Poster Presentation, **New Horizon Research Conference 2018**

2018   Webinar Panelist, **UCSD Connected and Open Research Ethics Project**

2018   Invited Seminar Presentation, **University College Cork School of Public Health**

2018   Poster Presentation, **American Society for Addiction Medicine 49th Annual Confer-**

ence in San Diego

2018	Featured Poster Presentation, **39th Annual Meeting and Scientific Sessions of the Society for Behavioral Medicine in New Orleans**
2017	Poster Presentation, **38th Annual Meeting and Scientific Sessions of the Society for Behavioral Medicine in San Diego**
2016	Invited Speaker, **Unmasking the Ivy League: College Mental Health Conference**
2015	Invited Plenary Speaker (with stipend), **Western States Marijuana Summit in San Diego**
2015	Presenter, **Center for Undergraduate Research Fellowships Research Expo**
2015	Invited Presenter, **Wharton Undergraduate Research Symposium**
2015	Invited Speaker, **Harvard Symposium on Alcohol**
2015	Invited Panelist, **Fox Rothschild Conference on Juvenile Justice**
2014	Invited Speaker, **Wharton Undergraduate Research Symposium**
2013	Invited Speaker, **Science Talk at Treatment Research Institute**

Teaching experience

F 2015	Teaching Assistant, MATH 104: Single Variable Calculus (Penn)
F 2015	Teaching Assistant, FNCE 101: Macroeconomics & the Monetary Economy (Penn)
S 2015	Teaching Assistant, STAT 102: Second-Semester Business Statistics (Penn)
F 2014	Teaching Assistant, FNCE 711: Financial Derivatives (Penn)
2012, 2014	Instructor, English as a Second Language (Nationalities Services Center)

Software

gtrendspy and gtrendR: Complementary Python and R packages for pulling, analyzing, and visualizing data from the Google Trends for Health API

cdcwonderpy and wondeR: Complementary Python and R packages for pulling, analyzing, and visualizing data from the CDC WONDER Multiple Cause of Death Online Form

Professional activities

2019-	Member, American Economic Association
2018-	Student Member, American Society for Addiction Medicine
2015-	Advisory Board Member, Drug Free America Foundation
2016-2017	Board Member, Pennsylvania Commonwealth Prevention Alliance
2015-2017	Student Advisory Board Member, Netter Center for Community Partnerships

| 2015-2017 | Board Member, Jed-Penn Mental Health Advisory Committee |
| 2012-2017 | Institutional Review Board Member, Treatment Research Institute |

Service to the field

Ad Hoc Reviewer: Addiction; Addictive Behaviors; American Journal of Preventive Medicine; American Journal of Public Health; Asia Pacific Journal of Public Health; Drugs: Education, Prevention, and Policy; Injury Prevention; International Journal of Drug Policy; JAMA: Journal of the American Medical Association; JAMA Network Open; Journal of Studies on Alcohol and Drugs; Substance Use and Misuse; Tobacco Control