

# Theodore L. Caputi

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 Publons: [2952802](https://publons.com/author/publons/2952802)

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

## Education

- 2020-2025 Candidate for Ph.D. in Economics, Massachusetts Institute of Technology
- 2019-2021 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<sup>1</sup>

## ORIGINAL RESEARCH

- 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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<sup>1</sup>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*. Accessed at <https://archive.is/CUkqN>. [[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), 227-229. 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), 684-685. 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. (2020). [Alternative work arrangements](#). *Annual Review of Economics*. doi: 10.1146/annurev-economics-022020-032512
- 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 \(ICS DP\) 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 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 Conference in San Diego**
- 2018 Featured Poster Presentation, **39th Annual Meeting and Scientific Sessions of the Soci-**

## ety 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 [wonderR](#): 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

## 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