

ALEXANDRA FOTINI KRITIKOS, Ph.D.

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RESEARCH and TEACHING INTERESTS

Drug Policy, Social Policy, Health Economics & Health Policy, Substance Abuse, Illicit Drug Markets, Youth Substance Use, Addiction Prevention, and Treatment, Behavioral Health Care & Service Delivery

ACADEMIC POSITIONS

University of Southern California, Los Angeles, CA 2021 –Present
Health Policy and Management, Sol Price School of Public Policy
Postdoctoral Research Associate

EDUCATION

Brandeis University, Waltham MA 2021
Ph.D. in Social Policy, Concentration in Behavioral Health
National Institute of Alcohol Abuse and Alcoholism (NIAAA) Fellow

Northeastern University, Boston MA 2015
Master of Arts in Economics
GPA 3.86/4.0 (summa cum laude) (top 5% of student body)

University of Patras, Patras Greece 2012
Bachelor of Science in Economics
Distinction: (top 10% of student body); Ministry of Education Honor Society

Ph.D. THESIS

Fields of Specialization: Behavioral Health, Health Economics, Health Policy
Thesis Title: Dose of Reality: Who are Medical Cannabis Patients? Purchasing Patterns and Alcohol Consumption among Medical Cannabis Patients in New York State.
Advisors: Dominic Hodgkin, Rosalie L Pacula, Cindy Thomas, Grant Ritter, Julie K. Johnson

RESEARCH GRANTS

National Institute of Drug Abuse Submitted 2022
R21 Mechanism (Co-PI: **Kritikos** / Pacula)
Project Title: Point-of-Sale Data to Examine Medical Cannabis Purchasing Behaviors
Total Costs: \$488,396; Requested dates: 04/01/2023 - 03/31/2025

National Institute of Drug Abuse Submitted 2019
1F31DA05117301 (PI: **Kritikos**)
Title: Dose of Reality: Who are Medical Cannabis Patients?
Total Costs: \$64,867; Requested dates: 01/01/2020 - 01/01/2022

National Institute of Alcohol Abuse and Alcoholism 2017-2021
5T32AA007567 (PI: Horgan) Pre-Doctoral Fellowship

PEER-REVIEWED ARTICLES

Kritikos, AF, Pacula RL. Characterization of Cannabis Products Purchased for Medical Use in New York State. *JAMA Netw Open*. 2022;5(8):e2227735.doi:10.1001/jamanetworkopen.2022.27735

Kritikos, AF., Hodgkin, D., Johnson, JK. Past 30-day marijuana vaping: Prevalence and predictors of use in a nationally representative study of U.S. youth. *American Journal of Preventive Medicine* 2020;000(000):1–9

Johnson, JK., Jones, AA., Hodgkin, D., **Kritikos, AF.**, Harris, SK., Johnson RM. Medical marijuana laws (MMLs) and dispensary provisions not associated with higher odds of adolescent marijuana or heavy marijuana use: A 46 State Analysis, 1991-2015. *Substance Abuse*, 42:4, 471- 475, DOI: 10.1080/08897077.2021.1900986

WHITE PAPERS, POLICY BRIEFS, and TECHNICAL REPORTS

Pacula, RL., Pessar, SC., Zhu, J., **Kritikos, A.F.**, Smart, R. (July 2022) Regulating Cannabis for Public Health in the United States. The University of Southern California, Leonard D. Schaeffer Center for Health Policy and Economics.

https://healthpolicy.usc.edu/wp-content/uploads/2022/07/USC-Schaeffer-Center-white-paper_Federal-Regulation-of-Cannabis-for-Public-Health-in-the-United-States.pdf

Massachusetts Cannabis Control Commission. October 2021. High Tetrahydrocannabinol (THC) Cannabis and Effects on the Human Body: More Research Needed. A Legislative Report & Considerations for Research and Policy.

https://masscannabiscontrol.com/wp-content/uploads/2021/10/202110_Report_THC_Potency.pdf

Massachusetts Cannabis Control Commission. February 2020. A Baseline Review and Assessment of the Massachusetts Adult-Use Cannabis Industry: Market Data and Industry Participation. Boston, MA. Invited Policy Brief

<https://mass-cannabis-control.com/wp-content/uploads/2020/02/Market Data and Industry Participation February 2020.pdf>

MANUSCRIPTS IN PROGRESS

Kritikos, AF. Johnson, J.K., Hodgkin, D. (2022 July) Prevalence and Predictors of Simultaneous Cannabis and Alcohol Use Among Medical Cannabis Patients: Is One Metric Enough? (Under review at *Substance Use & Misuse*)

Kritikos, AF., Graham M. (2022, August) Trajectories of Medical Cannabis Dosing by Patients with Prescriptions. (Under review at *The New England Journal of Medicine*)

O. Lee., W, Lee., **Kritikos, AF.**, Jin, H., Leventhal, A.M., Pedersen, E. R., Cho, J., Davis, J.P., Kapteyn, A., Wilson, J.P., & Pacula, R.L. Learning about Regular Use of Cannabis during COVID-19 by Studying Trajectories Rather than Prevalence. *JAMA Psychiatry* (Under Review at *The American Journal of Preventive Medicine*)

Graham, M., **Kritikos, AF.**, Pacula, RL., How to define medical use in survey data. (In preparation)

Horgan, CM., Hodgkin, D., Stewart, MT., **Kritikos, AF.**, Sulman, H. Incentives and beyond: A review of financial incentives in substance use treatment and what might come next. (In preparation)

Stewart, M., Quinn, A., Horgan, C., Perloff, J., **Kritikos, AF.** The Landscape of Bundled Payment: Where Does Addiction Treatment Fit in? (In preparation)

Brolin M., Reif S., Stewart M., Davis M., Dunigan R., Lee M., Ritter G., **Kritikos AF.**, Mazel S., Renna K., Shields M. Implementation of the Washington State Hub and Spoke Model for Medications to Treat Opioid Use Disorder

Kritikos, AF. Patterns of Medical Cannabis Use Among Emerging Adults. (In preparation)

Graham M, **Kritikos, AF**, Greenwood LM, Lucas CJ, Schneider J, Martin JH, Pacula RL. Multinational survey (US, Canada, and Australia) of health professionals and individuals involved in medicinal cannabis dose and product recommendations (In preparation)

Graham M, **Kritikos, AF**, Hall W, Pacula RL. Prevalence, Use, and Perceptions of Medical Cannabis Use in the United States, Canada, and Australia. (In preparation)

Kritikos, AF, Pacula RL. Cannabis Use Trends in New York. Do Cannabis Sales Differ from Self-Report? Findings from the International Cannabis Policy Study, 2018-2021 (In Preparation)

TEACHING EXPERIENCE

ADJUNCT INSTRUCTOR

Brandeis University, Heller School of Social Policy F18, F19

Winner of the 2018 Heller Teaching Award, Brandeis University

HS104b: American Health Care (undergraduate level)

Boston University, School of Social Work F20,S21

WP705: Mental Health Policy (graduate level)

Boston College, School of Social Work S19,S20

SCKWK8817: Health and Mental Health Policy, Boston College

TEACHING ASSISTANT, Brandeis University

HS 326f: Introduction to STATA programming and Data Management F19, F20

HSSP104b: Health Economics (undergraduate level) S17

EP1: Econometrics (undergraduate level) F12

HONORS/AWARDS

The Heller School for Social Policy Teaching Award , Brandeis University	2019
Anne Ralen Brown Endowed Scholarship, Brandeis University	2019
Heller Alumni Annual Fund Conference Grant, Brandeis University	2018
GSA Sponsored Travel & Research Grant, Brandeis University	2017,2018
National Institute of Alcohol Abuse and Alcoholism Pre-Doctoral Fellowship – T32, NI	2017-2021
The Heller School for Social Policy Pre-Doctoral Fellowship, Brandeis University	2016
Graduated with Academic Honors; summa cum laude, Northeastern University	2015
Graduated with Academic Honors; top 10% of study body, University of Patras, Greece	2011
Four yearly Greek Government Scholarships -academic excellence, Uni. of Patras, Greece	2011-2014

CONFERENCE PRESENTATIONS

Kritikos, AF., Graham, M. Trajectories of Medical Cannabis Dosing by Patients with Prescriptions. Accepted to be presented at the 2022 European Conference on Addictive Behaviours and Dependencies. Lisbon, Portugal (November 2022).

Kritikos, AF., Pacula RL. Medical Haze: Describing Medical Cannabis Dosing from Purchase Behavior in New York State. Accepted to be presented at the American Public Health Association. Boston, MA (November 2022)

Kritikos, AF., Johnson, J.K., Hodgkin, D. (2022 July) Prevalence and Predictors of Simultaneous Cannabis and Alcohol Use Among Medical Cannabis Patients. Presented at the Research Society on Marijuana. Boston, MA

Kritikos, AF., Johnson JK,. Pacula RL, Hodgkin, D. (2022, July) Trajectories of Prescribed Medical Cannabis Filled Over Time. Presented at the Research Society on Marijuana. Boston, MA

Kritikos, AF., Pacula RL (2022, June) Medical Haze: Describing Medical Cannabis Dosing from Purchase Behavior in New York State. Presented at the AcademyHealth Annual Meeting. Washington D.C.

Kritikos, AF. (2022, July) Trajectories of Prescribed Medical Cannabis Filled Over Time. Presented at the AcademyHealth Annual Meeting. Virtual Meeting

Kritikos, AF. (2021, July) One is Not Enough: Simultaneous Cannabis and Alcohol Use Among Medical Cannabis Patients. Presented at the Annual Research Society of Alcoholism Meeting. Virtual Meeting

Kritikos, AF. (2021, July) Who are Medical Cannabis Patients? Evidence and Predictors from New York's Point-of-Sale Cannabis Data Tracking System. Presented at the AcademyHealth Annual Meeting. Virtual Meeting

Kritikos, AF. (2021, July) Trajectories of Prescribed Medical Cannabis Filled Over Time. Presented at the AcademyHealth Annual Meeting. Virtual Meeting

Kritikos, AF. (2021, July) One is Not Enough: Simultaneous Cannabis and Alcohol Use Among Medical Cannabis Patients. Presented at the Annual Research Society of Alcoholism Meeting. Virtual Meeting

Kritikos, AF., Pacula, RL. A Glimpse into the World of Medical Cannabis: Purchase Behavior of Medical Cannabis Patients in New York State. (*Accepted to be presented at the 2020 International Society for the Study of Drug Policy Conference. Aguascalientes, Mexico – Cancelled due to COVID-19*)

Kritikos, AF., Hodgkin, D. (2020, June) Past 30-day marijuana vaping: Prevalence, associations with past 30-day alcohol use and binge drinking, and predictors of use in a nationally representative study of U.S. youth. Presented at the Annual Research Society of Alcoholism Meeting. New Orleans, Louisiana

Kritikos, AF., Hodgkin, D. (2020, July) Past 30-day marijuana vaping: Prevalence and predictors of use in a nationally representative study of U.S. youth. Presented at the Academy Health Annual Research Meeting. Boston, Massachusetts.

Kritikos, AF., (2019, October) Lessons from the U.S.: Predictors of cannabis vaping among youth: Where we were and where we are heading. Presented at the 2019 European Conference on Addictive Behaviours and Dependencies. Lisbon, Portugal.

Kritikos, AF., (2019, October) Protecting Youth from Adolescent Cannabis Use Through Evidence-Informed Regulatory Policy. Presented at the 2019 European Conference on Addictive Behaviours and Dependencies. Lisbon, Portugal.

Reif S., Brolin M., Stewart M., Davis M., Dunigan R., Lee M., Ritter G., **Kritikos AF.,** Mazel S., Renna K., Shields M. (2019, November) Washington State's hub & spoke model to improve pharmacotherapy use for opioid addiction – implementation findings. Presented at the 2019 American Public Health Association annual meeting. Philadelphia, PA

Reif S., Brolin M., Stewart M., Davis M., Dunigan R., Lee M., Ritter G., **Kritikos AF.,** Mazel S., Renna K., Shields M. (2019, October) Washington State's hub & spoke model to improve pharmacotherapy use for opioid addiction – implementation findings. Presented at the 2019 Addiction Health Services Research Conference. Park City, UT

Kritikos, AF., (2019, January) Clearing the Smoke: Vaping Cannabis Among Youth; Recent Trends and Implications. Presented at the 2019 North American Cannabis Summit. Los Angeles, California

Kritikos, AF., (2019, January) Protecting Youth from Adolescent Cannabis Use Through Evidence-Informed Regulatory Policy. Presented at the 2019 North American Cannabis Summit. Los Angeles, California

Reif S., Brolin M., Stewart M., Davis M., Dunigan R., Lee M., Ritter G., **Kritikos AF.,** Mazel S., Renna K., Shields M. (2018, June) Hub and spoke model to improve pharmacotherapy use for

opioid addiction: Early implementation. Presented at the 2018 Annual Scientific Meeting. College for Problems on Drug Dependence. San Diego, CA.

Horgan, CM., Hodgkin, D., Stewart, MT., **Kritikos, AF.** (2018, June) Rewarding value in substance use treatment: What are the unique challenges? Presented at the 2018 Annual Scientific Meeting. College for Problems on Drug Dependence. San Diego, CA.

Kritikos, AF., (2018, October) Vaping Cannabis Among Adolescents: Insight from the Monitoring the Future Survey. Presented at the 2018 Addiction Health Services Research Conference. Savannah, GA.

Kritikos, AF., Rees, V. (2018, October) Protecting Youth from Adolescent Cannabis Use Through Evidence-Informed Regulatory Policy. Presented at the 2018 Addiction Health Services Research Conference. Savannah, GA.

Stewart, M., Quinn, A., Horgan, C., Perloff, J., **Kritikos, AF.** (2018, October) The Landscape of Bundled Payment: Where Does Addiction Treatment Fit in? Presented at the 2018 Addiction Health Services Research Conference. Savannah, GA.

Reif S., Brolin M., Stewart M., Davis M., Dunigan R., Lee M., Ritter G., **Kritikos AF.**, Mazel S., Renna K., Shields M. (2018, October) Hub and spoke model to improve pharmacotherapy use for opioid addiction: Early implementation. Presented at the 2018 Addiction Health Services Research Conference. Savannah, GA.

INVITED TALKS and PANELS

Panelist at the *Research Society on Marijuana*. "The Medicinal Cannabis Observational Data Dilemma: Clinician Versus Patient Reported Outcome Measures." July 2022

Presenter at the *Institute of Addiction Sciences. The University of Southern California*. "The Devil is in the Details: What Can We Learn from Nielsen Data?" February 2022

Panelist at *Brandeis University*. [Vaping in America](#). July 2021

Invited Presentation at the *NIAAA Behavioral Health Seminar. Brandeis University*. "Let's be Blunt: What is Really Happening with Marijuana Legalization." February 2018

Panelist at the *Heller School for Social Policy and Management. Brandeis University*. "Marijuana Policy: Substance Use and Societal Consequences." November 2018

Presenter at the *David Rockefeller Center for Latin American Studies. Harvard University*. "Access to Affordable Medicines and R&D in Latin America." April 2018

Guest Lecturer at *Brandeis University*. "The Landscape of Bundled Payment: Where Does Addiction Treatment Fit in?" May, 018

Presenter at the *NIAAA Behavioral Health Seminar, Brandeis University*. "Clearing the Smoke of E-cigarettes." October 2017

Presenter at the *NIAAA Behavioral Health Seminar, Brandeis University*. "What are Kids' Vaping?" November 2017

SELECTED RESEARCH IN MEDIA

[Heller School of Social Policy](#). "Breaking Ground In Cannabis Research." February 2022

[USC Schaeffer](#) "Patient Preference for Medical Cannabis Products in the Absence of Clinical Guidelines." August, 022

[LabRoots](#). "Patient Preferences Include a Diverse Range of Cannabis Products." September 2022

[Medical Life Sciences](#). "Medical Cannabis Patients May Not Be Getting Consistent Guidance from Clinicians." August 2022

[Medical X Press](#), "New study shows patient preference for medical cannabis products in the absence of clinical guidelines." August 2022

EMPLOYMENT

University of Southern California **2021 –Present**
 Health Policy and Management, Sol Price School of Public Policy
 Postdoctoral Research Associate

Brandeis University **2017 –2021**
 Institute of Healthcare Services
 Lead Teaching Fellow for Dr. Stuart Altman; Sol C. Chaikin Professor of National Health Policy

- Responsible for 180 undergraduate students (section distribution, academic standing, managing students with academic and athletic accommodations)
- Led a team of 5 teaching fellows. Liaising between the teaching fellows, students, and departments
- Co-create syllabus and all course material (midterms, assignments, final exams) with Dr. Altman
- Document course progress and reflections; culminate a month-end report to Dr. Altman
- In charge of the hiring process of teaching fellow team

National Institute of Drug Abuse – Brandeis/Harvard Center **2017 – 2021**
 Research Assistant

- Assisted with three research studies examining alternative payment models in SUD (PI: Horgan)
- Composed and presented findings at multiple national conferences
- Research projects included studies of value-based purchasing, pay-for-performance, and bundled payments in the behavioral healthcare delivery setting

- Brandeis University** 2017 – 2021
Institute of Behavioral Health
 Graduate Research Assistant
- Manage quantitative and qualitative data collection and storage; analyze the administrative, survey, and interview data; and contribute to reports and publications for a four-year NIH-funded project focused on opioid use disorders, treatment, and the Hub & Spoke model (PI: Reif)
 - Assisted with two research studies examining patient risk indicators and trajectories with prescription opioid use: Prescription Drug Monitoring Center of Excellence (PI: Kreiner)
 - Developed survey design and implemented administration by using Qualtrics Online Survey Software
 - Conducted multiple patient, provider, and administrative-level telephone and in-person interviews
- Watertown Public Schools** 2015 – 2016
Mathematics Teacher
- Designed and implemented lessons plans that incorporated algebra, statistics, probability, and geometry
 - Analyzed student records to address problem areas and ensure student progress
 - Cooperated with fellow teachers & parents to achieve open communication in culturally diverse classrooms
- State Street Associates** 2014 – 2015
Investor Behavior Research Team
 Quantitative Researcher
- Developed and analyzed daily, weekly and monthly reports on global economies
 - Created up-to-date reports on micro & macroeconomics, behavioral finance & investor behavior research
 - Monitored trends in academic investment research and reviewed journal articles for quarterly literature scan
 - Developed tools and static dashboards to assist senior managers in the assessment of performance measures
- Hill Holliday** 2014 – 2015
Behavioral Economics Team
 Consumer Intelligence Analyst
- Participated in designing, executing, and analyzing behavioral economics experiments
 - Created reports of experiments and data analysis for clients and senior team
 - Composed literature reviews and conducted data analyses related to behavioral economics and management
 - Cleaned, organized, and presented data for internal and external data requests; documented data analyses
- Bank of Greece** 2012 – 2013
The Economic Analysis and Research Department
 Researcher
- Assisted senior team in monitoring and analyzing economic development and prospects
 - Compiled data, produced projections of key aggregates, released economic indicators & carried out research
 - Engaged in bi-annual reports on monetary policy as well as the annual report of the bank of Greece
- University of Patras** 2011 – 2012
Department of Economics
 Econometrics Research Assistant
- Designed and managed an independent research project measuring female and male differentials in the Greek labor market, as well as intergenerational mobility of income
 - Created reports of data analyses and presented findings at a regional symposium

University of Patras 2011 –2012
Department of Economics
 Co-founder: Economics reinforcement group

- Created a guide for Economics majors containing academic requirements and support referrals
- Designed curriculum and implemented the Economics Reinforcement Tutoring program for students
- Organized 100+ student records and performance data for program review and evaluation

University of Patras 2008 – 2012
Student Support Services
 Economics Peer Mentor/Tutor and Office Intern

- Provided interactive, hands-on approach to introduce students to complex maths & statistical concepts
- Wrote lesson plans, considering each student's learning style, academic level, and personality.

SERVICE

UNIVERSITY

Heller Peer Mentoring Committee, The Heller School for Social Policy and Management	2020-2021
Heller Awards Committee, The Heller School for Social Policy and Management	2018-2019
PhD Student Representative, Heller Student Association	2016-2017
Secretary of Economic Graduate Student Association, Northeastern University, Boston, MA	2015-2016
President (Fall 2011 – Spring 2012), Secretary (Fall 2010 – Spring 2011), Treasurer (Spring 2010), Economics Club, University of Patras, Greece	
Co-Founder of Economics Reinforcement Group (Spring 2011), University of Patras, Greece	2011-2012

COMMUNITY

Academic Mentor & Coach, The Holistic Academic, INC.	2020
Peer Mentor, Brandeis University, The Heller School for Social Policy and Management	2020
Volunteer, Help Refugees Organization, Athens, Greece	2017
Mentor, and Afterschool Mathematics Tutor, Watertown Public Schools, Watertown, MA	2016-2019
English Interpreter: University of Patras, Greece	2007-2012
Volunteer, Kalamata Food Pantry, Kalamata, Greece	2010
Volunteer, 21 st International Dance Festival, Kalamata, Greece	2010

JOURNAL REFEREE

American Journal of Preventive Medicine, 2021
Substance Use and Misuse, 2022
Innovation in Aging, 2022
Drug and Alcohol Dependence, 2022
International Journal of Drug Policy, 2022

TECHNICAL SKILLS

- | | |
|---------------------------------------|--|
| • Advanced Coding and Data Management | • Data Visualization |
| • Survey Design (Qualtrics) | • Interviewing |
| • Data Systems Management | • Analytics (STATA, SAS, SPSS, Excel, LINUX) |

LANGUAGE SKILLS

Greek: Native, Bilingual

English: Native, Bilingual

Spanish: Fluent, Conversational

PROFESSIONAL MEMBERSHIPS

International Health Economics Association

The International Society for the Study of Drug Policy

National Center for Faculty Development and Diversity

Academy Health