

# ROSANNA SMART

RAND Corporation  
1776 Main Street, PO Box 2138  
Santa Monica, CA 90407-2138

Email: [rsmart@rand.org](mailto:rsmart@rand.org)  
(310) 393-0411 x7792  
[https://www.rand.org/about/people/s/smart\\_rosanna.html](https://www.rand.org/about/people/s/smart_rosanna.html)

---

*Last updated December 2022*

## EDUCATION

Ph.D., Economics, University of California Los Angeles, 2016  
B.A., Economics, *summa cum laude*, Pomona College, 2008

## RESEARCH FIELDS

Health Economics, Economics of Crime, Labor Economics, Public Finance

## EMPLOYMENT AND POSITIONS

**Co-Director**, RAND Drug Policy Research Center, 2022–Present  
**Economist**, RAND Corporation, 2019–Present  
**Professor of Policy Analysis**, Pardee RAND Graduate School, 2019–Present  
**Adjunct Professor**, USC Sol Price School of Public Policy, 2019–2020  
**Associate Economist**, RAND Corporation, 2016–2019  
**Research Associate**, BOTEC Analysis Corporation, 2014–2016  
**Research Assistant**, Brookings Institution, 2008–2010  
**Research Associate Intern**, National Economic Research Associates, 2006

## TEACHING

Introduction to Microeconomics: Applications in Health, University of Southern California, 2019  
Cannabis Policy, Commerce, and Science, UCLA Extension, 2017

## PUBLICATIONS

### Journal Articles

**Smart, Rosanna**, Joo Yeon Kim, Susan Kennedy, Lu Tang, Lindsay Allen, Dushka Crane, Aimee Mack, Shamis Mohamoud, Nathan Pauly, Rosa Perez, and Julie Donohue. Forthcoming, 2023. “Association of Polysubstance Use Disorder with Treatment Quality Among Medicaid Beneficiaries with Opioid Use Disorder.” *Journal of Substance Abuse Treatment*. 144: 108921.

**Smart, Rosanna**, and Jacqueline Doremus. 2022. “The Kids Aren’t Alright: The Effects of Medical Marijuana Market Size on Adolescents.” *Journal of Health Economics*. 87: 102700.

Muggy, Luke T., Florentine E. Nekoul, Max Griswold, Sean McKenna, **Rosanna Smart**, and Priscillia Hunt. 2022. “Accounting for Socio-economic Context in Quantifying the Attractive and Repellent Influence of Built Environment on Firearms Violence in Multiple Cities.” *Journal of Quantitative Criminology*.

## ROSANNA SMART

- Morrall, Andrew R., and **Rosanna Smart**. 2022. "Better Data, Less Gun Violence." *Science*. 377(6614): 1471.
- Smart, Rosanna**, Sean Grant, Adam J. Gordon, Rosalie Liccardo Pacula, and Bradley D. Stein. 2022. "Expert Panel Consensus on State-Level Policies to Improve Engagement and Retention in Treatment for Opioid Use Disorder." *JAMA Health Forum*. 3(9): e223285.
- Morrall, Andrew R., and **Rosanna Smart**. 2022. "A New Era for Firearm Violence Prevention Research." *JAMA*. 328(12): 1197-1198.
- Smart, Rosanna**, Terry L. Schell, Andrew R. Morrall, and Nancy Nicosia. 2022. "Geographic Disparities in Rising Firearm Homicide Rates." *New England Journal of Medicine*. 387: 189-191.
- Smart, Rosanna**, Rebecca L. Haffajee, and Corey S. Davis. 2022. "Legal Review of State Emergency Medical Services Policies and Protocols for Naloxone Administration." *Drug and Alcohol Dependence*. 238: 109589.
- Blanchette, Jason G., Rosalie Liccardo Pacula, **Rosanna Smart**, Marlene C. Lira, Seema Choksy Pessar, and Timothy S. Naimi. 2022. "The Cannabis Policy Scale: A New Research and Surveillance Tool for U.S. States." *Journal of Studies on Alcohol and Drugs*.
- Grant, Sean, and **Rosanna Smart**. 2022. "Expert views on state-level naloxone access laws: a qualitative analysis of an online modified-Delphi process." *Harm Reduction Journal*. 19(1): 1-13.
- Andraka-Christou, Barbara, Elizabeth McAvoy, Maggie Ohama, **Rosanna Smart**, Mary E. Vaiana, Erin Taylor, and Bradley D. Stein. 2022. "Systematic Identification and Categorization of Opioid Prescribing/Dispensing Policies in 16 States & Washington D.C." *Pain Medicine*.
- Blanchette, Jason G., Rosalie Liccardo Pacula, **Rosanna Smart**, Marlene C. Lira, Anne E. Boustead, Jonathan P. Caulkins, Beau Kilmer, William C. Kerr, Ryan Treffers, and Timothy S. Naimi. 2022. "Rating the Comparative Efficacy of State-Level Cannabis Policies on Recreational Cannabis Markets in the United States." *International Journal of Drug Policy*. 106: 103744.
- Dopp, Alex R., Sarah B. Hunter, Mark D. Godley, Chau Pham, Bing Han, **Rosanna Smart**, Jonathan Cantor et al. 2022. "Comparing two federal financing strategies on penetration and sustainment of the adolescent community reinforcement approach for substance use disorders: protocol for a mixed-method study." *Implementation Science Communications*. 3(1): 1-17. PMID: PMC9099033.
- Dunlap, Laura J., Margaret R. Kulinski, Alexander Cowell, Kathryn E. McCollister, Diana M. Bowser, Mark Campbell, Claudia-Santi F. Fernandes, Pranav Kemburu, Bethany J. Livingston, Lisa A. Prosser, Vinod Rao, **Rosanna Smart**, and Tansel Yilmazer. 2022. "Economic Evaluation Design within the HEAL Prevention Cooperative." *Prevention Science*. PMID: PMC9364296
- Griffin, Beth Ann, Megan S. Schuler, Joseph Pane, Stephen W. Patrick, **Rosanna Smart**, Bradley D. Stein, Geoffrey Grimm, and Elizabeth A. Stuart. 2022. "Methodological Considerations for Estimating Policy Effects in the Context of Co-Occurring Policies." *Health Services and Outcomes Research Methodology*. PMID: PMC8666265.
- Pacula, Rosalie L., **Rosanna Smart**, Marlene C. Lira, Seema Choksy Pessar, Jason G. Blanchette, and Timothy S. Naimi. 2022. "Relationships of Cannabis Policy Liberalization with Alcohol Use and Co-Use with Cannabis: A Narrative Review of the Recent Literature." *Alcohol Research: Current Reviews*. 42(1). PMID: PMC8936161.
- Smart, Rosanna** and Peter Reuter. 2022. "Does Heroin-Assisted Treatment Reduce Crime? A Review of Randomized-Controlled Trials." *Addiction*. 117(3): 518-531.
- Weinberger, Andrea H., Katarzyna Wyka, June H. Kim, **Rosanna Smart**, Michael Mangold, Ellen Schanzer, Melody Wu, and Renee D. Goodwin. 2022. "A Difference-in-Difference Approach to Examining the Impact of Cannabis Legalization on Disparities in the Use of Cigarettes and Cannabis in the United States, 2004-2017." *Addiction*. 117(6): 1768-1777.
- Andraka-Christou, Barbara, Adam J. Gordon, Kathryn Bouskill, **Rosanna Smart**, Olivia Randall-Kosich, Matthew Golan, Rachel Totaram, and Bradley D. Stein. 2022. "Toward a Typology of Office-Based Buprenorphine Treatment Laws: Themes from a Review of State Laws." *Journal of Addiction Medicine*. 16(2): 192-207. PMID: PMC8599526.
- Griffin, Beth Ann, Megan Schuler, Elizabeth A. Stuart, Stephan Patrick, Elizabeth McNeer, **Rosanna**

## ROSANNA SMART

- Smart**, David Powell, Bradley D. Stein, Terry Schell, and Rosalie L. Pacula. 2021. “Moving beyond the Classic Difference-in-Differences Model: A Simulation Study Comparing Statistical Methods for Estimating Effectiveness of State-Level Policies.” *BMC Medical Research Methodology* 21(1): 279. PMID: PMC8666265.
- Pessar, Seema C., Anne Boustead, Yimin Ge, **Rosanna Smart**, and Rosalie L. Pacula. 2021. “Assessment of State and Federal Health Policies for Opioid Use Disorder Treatment during the COVID-19 Pandemic and Beyond.” *JAMA Health Forum*. 2(11): e213833. PMID: PMC9138185.
- Lira, Marlene C., Timothy C. Heeren, Magdalena Buzcek, Jason G. Blanchette, **Rosanna Smart**, Rosalie L. Pacula, and Timothy S. Naimi. 2021. “Trends in Cannabis Involvement and Risk of Alcohol Involvement in Motor Vehicle Crash Fatalities in the United States, 2000–2018.” *American Journal of Public Health*. 111(11): 1976–1985. PMID: PMC8630490.
- Loch, Sarah F., Bradley D. Stein, Robin Ghertner, Elizabeth McNeer, William D. Dupont, **Rosanna Smart**, and Stephen W. Patrick. 2021. “Neonatal Opioid Withdrawal Syndrome is Associated with Infant Foster Care Entry at the County Level.” *Health Affairs*. 40(11): 1776–1783. PMID: PMC8622271.
- D’Amico, Elizabeth J., Daniel L. Dickerson, Anthony Rodriguez, Ryan A. Brown, David P. Kennedy, Alina I. Palamaru, Carrie Johnson, **Rosanna Smart**, David J. Klein, Jennifer Parker, Keisha McDonald, Michael J. Woodward, and Ninna Gudgell. 2021. “Integrating Traditional Practices and Social Network Visualization to Prevent Substance Use: Study Protocol for a Randomized Controlled Trial among Urban Native American Emerging Adults.” *Addiction Science & Clinical Practice*. 16(1): 56. PMID: PMC8474938.
- Smart, Rosanna** and Corey S. Davis. 2021. “Reducing Opioid Overdose Deaths by Expanding Naloxone Distribution and Addressing Structural Barriers to Care.” *American Journal of Public Health*. 111(8): 1382–1384. PMID: PMC8489607.
- Smart, Rosanna** and Sean Grant. 2021. “Effectiveness and Implementability of State-Level Naloxone Access Policies: Expert Consensus from an Online Modified-Delphi Process.” *International Journal of Drug Policy* 98: 103383. PMID: PMC8671224.
- Stein, Bradley D., **Rosanna Smart**, Christopher M. Jones, Flora Sheng, David Powell, and Mark Sorbero. 2021. “Individual and Community Factors Associated with Naloxone Co-Prescribing Among Long-term Opioid Patients: A Retrospective Analysis.” *Journal of General Internal Medicine*. 36(10): 2952–2957. PMID: PMC8481397.
- Pacula, Rosalie L., Jason G. Blanchette, Marlene C. Lira, **Rosanna Smart**, and Timothy S. Naimi. 2021. “Current U.S. State Cannabis Sales Limits Allow Large Doses for Use or Diversion.” *American Journal of Preventive Medicine* 260(5): 701–705. PMID: PMC8068584.
- Stein, Bradley D., Christopher M. Jones, **Rosanna Smart**, Flora Sheng, and Mark Sorbero. 2021. “Patient, Prescriber, and Community Factors Associated with Filled Naloxone Prescriptions Among Patients Receiving Buprenorphine 2017-18.” *Drug and Alcohol Dependence* 221: 108569. PMID: PMC8027950.
- Smart, Rosanna**. 2021. “Acknowledging and Monitoring the Costs of Seriously Regulating Cannabis.” *Addiction* 116(2): 235–236.
- Smart, Rosanna**, Terry L. Schell, Matthew Cefalu, and Andrew R. Morral. 2020. “Impact on Non-Firearm Deaths of Firearm Laws Affecting Firearm Deaths: A Systematic Review and Meta-Analysis.” *American Journal of Public Health* 110(10): e1–e9. PMID: PMC7483123.
- Schuler, Megan S., Sara E. Heins, **Rosanna Smart**, Beth Ann Griffin, David Powell, Bryce Pardo, Sierra Smucker, Elizabeth A. Stuart, Stephan Patrick, Rosalie L. Pacula, and Bradley D. Stein. 2020. “The State of the Science in Opioid Policy Research.” *Drug and Alcohol Dependence* 214: 108137. PMID: PMC7423757.
- Smart, Rosanna**, Bryce Pardo, and Corey S. Davis. 2020. “Systematic Review of the Emerging Literature on the Effectiveness of Naloxone Access Laws in the United States.” *Addiction*. 116(1): 6–17. PMID: PMC8051142.
- Schell, Terry L., Matthew Cefalu, Beth Ann Griffin, **Rosanna Smart**, and Andrew R. Morral. 2020.

## ROSANNA SMART

- “Changes in Firearm Mortality Following the Implementation of State Laws Regulating Firearm Access and Use.” *Proceedings of the National Academy of Sciences* 117(26): 14906–14910. PMID: PMC7334522.
- Smart, Rosanna** and Bryce Pardo. 2020. “Capsule Commentary for Azcarate et. al., Medical Reasons for Marijuana Use.” *Journal of General Internal Medicine* 35(7): 2252. PMID: PMC7351923.
- Smart, Rosanna**, Caroline K. Geiger, Christopher M. Jones, and Bradley D. Stein. 2020. “Prescribers and Naloxone Pharmacy Claims.” *Journal of General Internal Medicine* 35(8): 2475. PMID: PMC7403255.
- Grant, Sean, **Rosanna Smart**, and Bradley D. Stein. 2020. “We Need a Taxonomy of State-Level Opioid Policies.” *JAMA Health Forum*. 1(2): 2760779. PMID: PMC8372242.
- Haffajee, Rebecca, Samantha Cherney, and **Rosanna Smart**. 2020. “Legal Requirements and Recommendations to Prescribe Naloxone.” *Drug and Alcohol Dependence* 209: 107896. PMID: PMC7127952.
- Smart, Rosanna**, Courtney Kase, Erin Taylor, Susan Lumsden, Scott R. Smith, and Bradley D. Stein. 2020. “Strengths and Weaknesses of Existing Data Sources to Support Research to Address the Opioids Crisis.” *Preventive Medicine Reports* 17: 101015. PMID: PMC6971390.
- Geiger, Caroline, **Rosanna Smart**, and Bradley D. Stein. 2020. “Who Receives Naloxone from Emergency Medical Services?: Characteristics of Calls and Recent Trends.” *Substance Abuse* 41(3): 400–407. PMID: PMC6989345.
- Firth, Caislin, Steven Davenport, **Rosanna Smart**, and Julia A. Dilley. 2020. “How High: Differences in the Developments of Cannabis Markets in Two Legalized States.” *International Journal of Drug Policy* 75: 102611. PMID: PMC7041961.
- Smart, Rosanna**, Caroline K. Geiger, Christopher M. Jones, and Bradley D. Stein. 2019. “An Observational Study of Retail Pharmacy Naloxone Prescriptions: Differences Across Provider Specialties and Patient Populations.” *Journal of General Internal Medicine* 35(6): 1768-1775. PMID: PMC7280461.
- Smart, Rosanna** and Rosalie L. Pacula. 2019. “Early Evidence of the Impact of Cannabis Legalization on Cannabis Use, Cannabis Use Disorder, and the Use of Other Substances: Findings from State Policy Evaluations.” *American Journal of Drug and Alcohol Abuse* 45(6): 644–663. PMID: PMC6934162.
- Smart, Rosanna**, and Mark A.R. Kleiman. 2019. “Association of Cannabis Legalization and Decriminalization with Arrest Rates of Youths.” *JAMA Pediatrics* 173(8): 725–727.
- Kilmer, Beau, **Rosanna Smart**, Jirka Taylor, and Jonathan P. Caulkins. 2019. “Prescribing Diamorphine in the United States: Insights from a Nationally Representative Survey.” *Drug and Alcohol Dependence* 196: 62–65.
- Smart, Rosanna**, Karen C. Osilla, Lisa Jonsson, and Susan M. Paddock. 2018. “Differences in Alcohol Cognitions, Consumption, and Consequences among First-time DUI Offenders Who Co-Use Alcohol and Marijuana.” *Drug and Alcohol Dependence* 191: 187–194. PMID: PMC6309328.
- Smart, Rosanna**, Jonathan P. Caulkins, Beau Kilmer, Steven Davenport, and Greg Midgette. 2017. “Response to Commentaries: New Data Sources for Understanding Cannabis Markets.” *Addiction* 112 (12): 2180–2181. PMID: PMC6428042.
- Smart, Rosanna**, Jonathan P. Caulkins, Beau Kilmer, Steven Davenport, and Greg Midgette. 2017. “Variation in Cannabis Potency and Prices in a Newly-Legal Market: Evidence from 30 Million Cannabis Sales in Washington State.” *Addiction* 112 (12): 2167–2177. PMID: PMC5673542.
- Pacula, Rosalie L., and **Rosanna Smart**. 2017. “Medical Marijuana and Marijuana Legalization.” *Annual Review of Clinical Psychology* 13 (1): 397–419. PMID: PMC6358421.
- Brown, Eleanor, and **Rosanna Smart**. 2007. “Racial Differences in Civic Participation and Charitable Giving: The Confounding Effects of Educational Attainment and Unmeasured Ability,” *The Review of Black Political Economy* 34 (3-4): 259–271.

### Peer-Reviewed Monographs, Reports, Book Chapters

## ROSANNA SMART

- Schell, Terry L., **Rosanna Smart**, and Andrew R. Morral. 2022. *Suggestions for Estimating the Effects of State Gun Policies: Commentary on Four Methodological Problems in the Current Literature*. Santa Monica, CA: RAND Corporation. RR-A243-1.
- Smart, Rosanna**, Terry L. Schell, and Andrew R. Morral. 2021. *The Magnitude and Sources of Disagreement Among Gun Policy Experts, Second Edition*. Santa Monica, CA: RAND Corporation. RR-A243-3.
- Morral, Andrew R., Terry L. Schell, **Rosanna Smart**, Brandon Crosby, Justin Lee, and Rose Kerber. 2021. *Evaluating Baltimore's Aerial Investigation Research Pilot Program: Interim Report*. Santa Monica, CA: RAND Corporation. RR-A1131-2.
- Smart, Rosanna**. 2021. "Firearm and Ammunition Taxes," In: *Contemporary Issues in Gun Policy: Essays from the Rand Gun Policy in America Project* (Eds: R. Ramchand and J. Saunders). Santa Monica, CA: RAND Corporation. RR-2088-1; pp. 31–38.
- Smart, Rosanna** and Terry L. Schell. 2021. "Mass Shootings in the United States," In: *Contemporary Issues in Gun Policy: Essays from the Rand Gun Policy in America Project* (Eds: R. Ramchand and J. Saunders). Santa Monica, CA: RAND Corporation. RR-2088-1; pp. 1–25.
- Morral, Andrew R., Terry L. Schell, Brandon Crosby, **Rosanna Smart**, Rose Kerber, and Justin Lee. 2021. *Preliminary Findings from the Aerial Investigations Research Pilot Program*. Santa Monica, CA: RAND Corporation. RR-A1131-1.
- Asch, Beth J., Michael L. Hansen, **Rosanna Smart**, David Knapp, and Daniel Schwam. 2021. *An Empirical Assessment of the U.S. Army's Enlistment Waiver Policies: An Examination in Light of Emerging Societal Trends in Behavioral Health and the Legalization of Marijuana*. Santa Monica, CA: RAND Corporation. RR-4431-A.
- Smart, Rosanna**, Andrew R. Morral, Sierra Smucker, Samantha Cherney, Terry Schell, Samuel Peterson, Sangeeta C. Ahluwalia, Matthew Cefalu, Lea Xenakis, Rajeev Ramchand, and Carole Gresenz. 2020. *The Science of Gun Policy: A Critical Synthesis of Research Evidence on the Effects of Gun Policies in the United States, Second Edition*. Santa Monica, CA: RAND Corporation. RR-2088-1.
- Griffin, Beth Ann, Geoffrey Grimm, **Rosanna Smart**, Rajeev Ramchand, Lisa H. Jaycox, Lynsay Ayer, Erin Leidy, Steven Davenport, Terry L. Schell, and Andrew Morral. 2020. *Comparing the Army's Suicide Rate to the General US Population*. Santa Monica, CA: RAND Corporation. RR-3025.
- Kilmer, Beau, Steven Davenport, **Rosanna Smart**, Jonathan P. Caulkins, and Gregory Midgett. 2019. *After the Grand Opening: Assessing Cannabis Supply and Demand in Washington State*. Santa Monica, CA: RAND Corporation. RR-3138.
- Kilmer, Beau, Jirka Taylor, Jonathan P. Caulkins, Pam Mueller, Allison Ober, Bryce Pardo, **Rosanna Smart**, Lucy Strang, and Peter Reuter. 2018. *Considering Heroin-Assisted Treatment and Supervised Consumption Sites in the United States*. Santa Monica, CA: RAND Corporation. RR-2693.
- Smart, Rosanna**, Courtney Kase, Amanda Meyer, and Bradley D. Stein. 2018. *Data Sources and Data-Linking Strategies to Support Research to Address the Opioid Crisis*. Washington, DC: Assistant Secretary for Planning and Evaluation, U.S. Department of Health and Human Services.
- Hunt, Priscillia E., **Rosanna Smart**, Lisa Jonsson, and Flavia Tsang. 2018. *Breaking Down Barriers: Experiments into Policies That Might Incentivize Employers to Hire Ex-Offenders*. Santa Monica, CA: RAND Corporation. RR-2142-1.
- Morral, Andrew R., Rajeev Ramchand, **Rosanna Smart**, Carole R. Gresenz, Samantha Cherney, Nancy Nicosia, Carter C. Price, Stephanie B. Holliday, et al. 2018. *The Science of Gun Policy: A Critical Synthesis of Research Evidence on the Effects of Gun Policies in the United States*. Santa Monica, CA: RAND Corporation. RR-2088.
- Sturm, Roland, Haijing C. Huang, Flavia Tsang, Liisa Hiatt, **Rosanna Smart**, Cameron Wright, and Helen Wu. 2018. *Examining Consumer Responses to Calorie Information on Restaurant Menus in a Discrete Choice Experiment*. Santa Monica, CA: RAND Corporation. RR-1957.
- Taylor, Erin, **Rosanna Smart**, Courtney Kase, and Bradley Stein. 2017. *Studying Opioids Using National Prescription Data: Detailed Analytic Approaches*. ASPE HP-HQO-2-1. Santa Monica, CA: RAND

## ROSANNA SMART

Corporation.

Hunter, Sarah, Lois Davis, **Rosanna Smart**, and Susan T. Turner. 2017. *Impact of Proposition 47 on Los Angeles County Operations and Budget*. Santa Monica, CA: RAND Corporation. RR-1754.

### Policy Briefs, Technical Reports, and Tools

**Smart, Rosanna**, Samuel Peterson, Terry L. Schell, Rose Kerber, and Andrew R. Morral. 2021. *Inpatient Hospitalizations for Firearm Injury: Estimating State-Level Rates from 2000 to 2016*. Santa Monica, CA: RAND Corporation. TL-A243-3.

Griffin Beth Ann, Geoffrey E. Grimm, **Rosanna Smart**, Rajeev Ramchand, Lisa H. Jaycox, Lynsay Ayer, Erin N. Leidy, Steven Davenport, Terry L. Schell, Andrew R. Morral. 2021. “Comparing the Army's Suicide Rate to the General U.S. Population: Identifying Suitable Characteristics, Data Sources, and Analytic Approaches.” *Rand Health Quarterly* 9(2): 8. PMID: PMC8383837.

Wang, Elaine Lin, and **Rosanna Smart**. 2020. *Understanding and Using Research on Gun Policy in America: An Interdisciplinary Unit Plan Based on RAND's Gun Policy in America Website, Suggested Grades 10–12*. Santa Monica, CA: RAND Corporation. TL-A243-1.

Schell, Terry L., Samuel Peterson, Brian Vegetabile, Adam Scherling, **Rosanna Smart**, and Andrew R. Morral. 2020. *State-level Estimates of Household Firearm Ownership*. Santa Monica, CA: RAND Corporation. TL-354.

Hunt, Priscillia E., **Rosanna Smart**, Lisa Jonsson, and Flavia Tsang. 2018. *Incentivizing Employers to Hire Ex-Offenders: What Policies Are Most Effective?* Santa Monica, CA: RAND Corporation. RB-10003.

**Smart, Rosanna**. 2018. “Evidence on the Effectiveness of Heroin-Assisted Treatment.” RAND Working Paper Series WR-1263. Santa Monica, CA: RAND Corporation.

Jones, Tyler, Clarissa Manning, John McCown, Colleen McKee, Angela Robertson, Brad Rowe, **Rosanna Smart**, and Jeremy Ziskind. 2016. *Precursors of Crime in Jackson: Early Warning Indicators of Criminality*. Los Angeles, CA: BOTEK Analysis Corporation.

**Smart, Rosanna**, Brad Rowe, Angela Hawken, Mark Kleiman, Nate Mladenovic, Peter Gehred, and Clarissa Manning. 2015. *Faster and Cheaper: How Ride Sourcing Fills a Gap in Low-Income Los Angeles Neighborhoods*. Los Angeles, CA: BOTEK Analysis Corporation.

Bosworth, Barry, and **Rosanna Smart**. 2009. *The Wealth of Older Americans and the Sub-Prime Debacle.* Working paper. Retirement Research Consortium.

Bosworth, Barry, and **Rosanna Smart**. 2009. *Evaluating Micro-Survey Estimates of Wealth and Saving.* Working Paper. Center for Retirement Research, Boston College.

### Select Op-Eds

**Smart, Rosanna**, Andrew R. Morral, and Darrel Miller. 2022. [Facts still matter, even before this Supreme Court.](#) *Newsweek*, October 4.

Morral, Andrew, **Rosanna Smart**, and Darrel Miller. 2022. [State gun regulations are a messy patchwork. The Supreme Court's Bruen decision won't help.](#) *The Hill*, August 20.

Morral, Andrew, and **Rosanna Smart**. 2019. [‘Stand your ground’ laws increase violence.](#) *Orlando Sentinel*, September 11.

Kilmer, Beau, and **Rosanna Smart**. 2018. [How will cannabis legalization affect alcohol use?](#) *GreenState (The San Francisco Chronicle's cannabis journalism start-up)*, February 13.

### WORKING PAPERS

Schell, Terry L., **Rosanna Smart**, Matthew Cefalu, Beth Ann Griffin, and Andrew R. Morral. Under Review. “The Effects of State Policies Regulating Firearms on Firearm Mortality.” *New England*

## ROSANNA SMART

- Journal of Medicine*, Submitted November 2022.
- Caulkins, Jonathan, Brittany Bass, David Hammond, Dhruv Khurana, Beau Kilmer, Samantha Perez Davila, **Rosanna Smart**, and Elle Wadsworth. Under Review. “A Failure to Replicate? Comparing Multiple Cannabis Use Surveys.” *Addiction*, Submitted December 2022.
- Smart, Rosanna**, Andrew R. Morral, and Terry L. Schell. 2022. “Evaluating Baltimore’s Aerial Investigation Research (AIR) Program.” RAND Working Paper No. RR-A1131-2. Santa Monica, CA: RAND Corporation.
- Anwar, Shamena, Matthew Baird, John Engberg, and **Rosanna Smart**. “Job Training Programs as Crime Deterrents? Evidence from a Low-Income Targeted Training Program RCT.” Available at: <https://www.edworkingpapers.com/ai22-543>, 2022.
- Cefalu, Matthew, Terry L. Schell, Beth Ann Griffin, **Rosanna Smart**, and Andrew R. Morral, “Estimating Effects within Nonlinear Autoregressive Models: The Impact of Child Access Prevention Laws on Firearm Mortality.” Available at: <https://arxiv.org/abs/2109.03225?context=stat>, 2021.
- Hunt, Priscillia E. and **Rosanna Smart**. “Investigation of Employers’ Preferences for the Design of Tax Incentives to Hire Ex-Felons.” IZA DP #13520, July 2020.
- Pacula, Rosalie L., David M. Powell, and **Rosanna Smart**. “The Dynamics of Local Opioid Markets and Their Response to State Policies.” Presented at the Southern Economic Association Annual Conference (Ft. Lauderdale, FL), November 2019.
- Williams, Jenny, Rosalie L. Pacula, and **Rosanna Smart**. 2019. “De Facto or De Jure? Ethnic Differences in Quit Responses to Legal Protections of Medical Marijuana Dispensaries Date.” NBER Working Paper No. 25555. Cambridge, MA: National Bureau of Economic Research.

### ONGOING RESEARCH SUPPORT

- Principal Investigator (with Andrew R. Morral), Robert Wood Johnson Foundation, “Gun Policy Research: Evaluating the Role Gun Laws Play in Contributing to Racial and Ethnic Disparities in Criminal Justice Outcomes,” November 2022–October 2027.
- Co-Investigator, Arnold Ventures (PI: Andrew R. Morral), “State Gun Laws in the Post-Bruen Legal Environment,” March 2022–October 2022.
- Co-Investigator, National Institute on Drug Abuse R01DA051545 (PI: Alex R. Dopp), “Comparing Two Federal Financing Strategies on Treatment Penetration and Sustainment,” August 2021–May 2026.
- Co-Investigator, National Institute on Drug Abuse R01DA049730 (PI: Yuyan Shi), “Using Behavioral Economics Approach to Examine Individual Preferences for Marijuana Products,” September 2020–June 2025.
- Co-Investigator, National Institute on Drug Abuse UG3DA050235 (PI: Elizabeth D’Amico), “Development and Implementation of a Culturally Centered Opioid Prevention Intervention for American Indian/Alaska Native Young Adults in California,” October 2019–September 2024.
- Project Principal Investigator, National Institute on Drug Abuse P50DA046351 (PIs: Bradley Stein and Rosalie L. Pacula), “Opioid Policy, Technology, & Implementation Center for Research eXcellence,” August 2018–July 2023.
- Co-Investigator, California Department of Cannabis Control (PI: Ziva Cooper), “Assessing the Feasibility and Consequences of Implementing a Cannabis Potency Tax in California,” July 2021–July 2023.
- Co-Investigator, National Institute on Alcohol Abuse and Alcoholism R61AA029064 (PI: Nancy Nicosia), “Alcohol Restrictions and Firearm Prohibitions Based on Mental Illness: Effects on Fatal and Nonfatal Firearm Injuries,” September 2020–August 2023.
- Co-Investigator, National Institute on Alcohol Abuse and Alcoholism R34AA027689 (PI: Karen C. Osilla), “A Pilot Trial to Prevent Intoxicated and Impaired Driving among Adolescents,” October 2019–September 2023.
- Co-Investigator, Centers for Disease Control and Prevention R01CE003279 (PI: Andrew Morral), “Using Small-Area Estimates of Firearm Ownership to Investigate Violence Disparities and Firearm Policy

## ROSANNA SMART

Effects,” September 2020–August 2023.

Principal Investigator (subcontract), National Institute on Alcohol Abuse and Alcoholism R01AA026268 (PI: Timothy Naimi), “Impact of Marijuana Policies on Alcohol Use and Alcohol-Related Mortality,” July 2018–June 2023.

Principal Investigator (with Melissa Labriola), Los Angeles City Attorney’s Office, “LA DOOR Data Evaluation Services,” January 2018–June 2023.

Project Principal Investigator, Arnold Ventures 07022018 (PI: Andrew Morral), “Using Scientific Evidence to Build Consensus on U.S. Gun Policy,” July 2018–December 2022.

### COMPLETED RESEARCH SUPPORT

Co-Investigator, Arnold Ventures 20-03128 (PI: Andrew Morral), “Evaluation of Baltimore’s Aerial Research Investigation Program,” March 2020–May 2022.

Principal Investigator, National Institute on Drug Abuse R21DA045950, “State Naloxone Policies: Exploring Effects of Implementation on Emergency Medical Services and Community Bystander Use,” April 2018–March 2022.

Principal Investigator (with Philip Armour), University of Michigan, SSA Retirement and Disability Research Center, “The Causes and Consequences of Opioid and Benzodiazepine Use Among Older Americans: A Panel Survey Approach,” October 2019–March 2021.

Co-Investigator, National Institute on Drug Abuse R01DA045051 (PIs: Rosalie L. Pacula and Christine Buttorff), “Impact of Marijuana Legalization on Opioid Prescribing and Poisonings in Colorado,” July 2018–March 2021.

Co-Investigator, National Institute of Justice (PI: Priscillia Hunt), “Understanding Socio-environmental and Physical Risk Factors Influencing Firearm Violence,” February 2018–December 2020.

Principal Investigator (subcontract), AcademyHealth 840-2019-002 (PI: Susan Kennedy), “MACPAC MODRN-SUD 1.0 Project,” November 2019–September 2020.

Co-Investigator, National Institute on Alcohol Abuse & Alcoholism R01AA022132-01A1 (PI: Rosalie L. Pacula), “The RAND Alcohol Policy Platform (RAPP): A Microsimulation Model of Alcohol Use, Consequences, and Policies in the United States,” April 2014–May 2020.

Co-Investigator, U.S. Army W91CRB-15-D-0022 (PI: Beth Asch), “Strengthening and Optimizing the Army’s Policies on Enlistment Waivers,” October 2018–December 2019.

Co-Investigator, U.S. Department of Labor (PIs: Matthew Baird and John Engberg), “Creating Career Ladders for Unemployed and Underemployed Workers in New Orleans,” March 2015–September 2019.

Co-Investigator, Washington State Liquor Control Board (PI: Beau Kilmer), “After the Grand Opening: Assessing Washington’s Cannabis Market Three Years After Legal Sales,” February 2018–2019.

Co-Investigator, U.S. Army (PIs: Beth Ann Griffin and Rajeev Ramchand), “High Risk Civilian Population Suicidality,” September 2016–August 2019.

Co-Investigator, National Institute on Minority Health and Health Disparities R01MD007762 (PI: Karen C. Osilla), “Delivering Treatment in DUI Programs to Reduce Alcohol-Related Disparities,” July 2014–April 2019.

Principal Investigator (with Bradley Stein), Assistant Secretary for Planning & Evaluation, Department of Health and Human Services, “Update and Dissemination of Report on Linking Data Effectively to Conduct Research on Actionable Interventions to Address the Opioids Crisis,” February 2018–September 2018.

Co-Investigator, RAND Office of the President (PI: Beau Kilmer), “New Ideas for Reducing Opioid-Related Deaths, Disabilities, and Disparities: Assessing the Possible Consequences of Allowing Heroin Prescription and Supervised Consumption Sites,” October 2017–December 2018.

Co-Investigator, National Institute on Drug Abuse R01DA039293 (Subcontract PI: Beau Kilmer), “Public Health and Safety Impacts of Marijuana Legalization in the Pacific Northwest,” December 2015–May



## ROSANNA SMART

2018.

- Project Principal Investigator, RAND Office of the President (PI: Andrew Morral), “Firearms in America,” January 2016–October 2017.
- Principal Investigator (with Bradley Stein), Assistant Secretary for Planning & Evaluation, Department of Health and Human Services, “Linking Data Effectively to Conduct Research on Actionable Interventions to Address the Opioids Crisis,” August 2017–September 2017.
- Co-Investigator, Assistant Secretary for Planning & Evaluation, Department of Health and Human Services (PI: Bradley Stein), “Health Policies on Access and Use of Overdose Treatment Therapies and Newly Marketed Opioid Alternatives,” August 2017–September 2017.
- Co-Investigator, SAMHSA and Subcontract with Development Services Group, Inc. (Subcontract PI: Martin Iguchi), “SAMHSA Data Waiver,” August 2017.
- Co-Investigator, National Institute of Justice (PIs: Meagan Cahill and Jessica Saunders), “National Law Enforcement Corrections and Technology Center System Small, Rural, and Border Regional Center,” July 2017–September 2017.
- Co-Investigator, RAND Office of the President (PI: Priscillia Hunt), “Workers with Criminal Records,” November 2016–September 2017.
- Co-Investigator, Department of Health and Human Services (PI: Roland Sturm), “Examining Consumer and Producer Responses to Restaurant Menu Labeling Requirements,” September 2014–2017.
- Co-Investigator, Los Angeles County Chief Executive Office (PI: Sarah Hunter), “Independent Report on Prop 47 Impact on Los Angeles County Operations and Budget,” August 2016–April 2017.
- Principal Investigator, National Institute of Child Health and Human Development 5T32HD007545, “Effects of Growth in Medical Marijuana Markets on Adolescent Substance Use,” September 2014–August 2016.
- Co-Investigator, National Institute on Drug Abuse R01DA032693-04 (PI: Rosalie L. Pacula), “Implementation of Medical Marijuana and its Impact on Health,” September 2011–August 2016.
- Quantitative Lead Investigator, Uber Technologies Inc. (PI: Mark Kleiman and Brad Rowe), “Faster and Cheaper: How Ride Sourcing Fills a Gap in Low-Income Los Angeles Neighborhoods,” April 2015–July 2015.

### WEBINARS

- “Breaking Down Barriers: Incentivize Employers to Hire Ex-Offenders,” RAND Corporation Virtual Town Hall, September 2022.
- “Considerations for Structuring Legal Cannabis Supply,” Office of the North Carolina Attorney General, Series on Medical Marijuana, April 2022.
- “Substance Use Disorder Studies Using Existing Health RWD Sources: Challenges and Opportunities,” Clinical Trial Network Webinar Series, July 2021.
- “Data Issues to Consider When Conducting Analyses of State Opioid Policies,” Addiction Health Services Research Workshop, November 2020.
- “Pitfalls and Potholes: Data Issues to Consider When Conducting Analyses of State Opioid Policies,” OPTIC Webinar, September 2020.
- “Data Sources and Data-Linking Strategies to Address the Opioid Crisis,” Assistant Secretary for Planning and Evaluation Webinar, September 2018.

### INVITED BRIEFINGS, CONFERENCE, AND SEMINAR PRESENTATIONS (selected)

- 2022 Southern Economic Association Annual Meeting (Ft. Lauderdale, FL)
- 2021 NYU Center for Opioid Epidemiology & Policy Seminar (virtual); Los Angeles World Affairs Council and Town Hall (virtual); Stockholm Criminology Symposium (virtual)

## ROSANNA SMART

- 2020 Southern Economic Association Annual Meeting (New Orleans, LA); APPAM Fall Research Conference (virtual)
- 2019 Southern Economic Association Annual Meeting (Ft. Lauderdale, FL); West Virginia Policy & Research Engagement Symposium (Roanoke, WV); American Society of Criminology Conference (San Francisco, CA); Addiction Health Services Research Conference (Park City, UT); American Society of Health Economists Conference (Washington, DC); International Society for the Study of Drug Policy Conference (Paris, France); American Psychiatric Association (San Francisco, CA); NIMBioS Mathematics of Gun Violence Investigative Workshop (Knoxville, TN); Causes, Correlates, and Solutions to Gun Violence (Hartford, CT)
- 2018 APPAM Fall Research Conference (Washington, DC); Addiction Health Services Research Annual Conference (Savannah, GA); All-California Labor Economics Conference (Los Angeles, CA); Drug Policy Research Center Brown Bag Seminar (Santa Monica, CA); SAMHSA/CSAT Division Briefing (Rockville, MD); Alameda County Board of Supervisor Public Protection Committee Briefing (Oakland, CA)
- 2017 Engineering Honors Colloquium, USC (Los Angeles, CA)
- 2016 Drug Policy in the United States Panel, Pomona College (Claremont, CA); Cannabis Science and Policy Summit (New York, NY)

### AWARDS AND HONORS

Dissertation Year Fellowship, UCLA, 2015–2016  
Chancellor’s Fellowship, UCLA, 2012–2014  
Graduate Research Mentorship Fellowship, UCLA, 2013–2014  
Morris B. Pendleton Prize in Economics, Pomona College, 2008  
Leland M. Backstrand Economics Award, Pomona College, 2007  
Phi Beta Kappa, Pomona College, 2007

### PROFESSIONAL SERVICE

Associate Editor, Economics and Policy, *Addiction*, 2021–Present  
Panelist, Criminal Justice Expert Panel, NYU and Texas A&M, 2021–Present  
Member, American Economic Association, 2022–Present  
Member, ASHEcon, 2017–2020  
Member, Association for Public Policy and Management (APPAM), 2016–2022  
Member, UC Criminal Justice and Health Consortium, 2015–2016

**Referee for:** *Journal of Health Economics, Drug and Alcohol Dependence, Pediatrics, International Journal of Drug Policy, JAMA Pediatrics, Substance Abuse, Substance Use and Misuse, Addiction, The American Journal of Drug & Alcohol Abuse, Economic Inquiry, Epidemiology, Journal of Criminal Law & Criminology, Journal of Racial and Ethnic Health Disparities, Journal of Addiction Medicine, Journal of Cannabis Research, Journal of General Internal Medicine, American Journal of Public Health, Preventive Medicine, Injury Prevention, Health Affairs, Economic Journal, Journal of Health Politics Policy and Law, Journal of Policy Analysis and Management, American Journal of Epidemiology, Journal of Quantitative Criminology, Journal of Human Resources, JAMA, Oxford Bulletin of Economics and Statistics, Criminology & Public Policy, Journal of Law and Economics*

**Graduate Student Advising:** Dissertation Committee Member: Sujeong Park (2021), Pardee RAND Graduate School; Nima Shahidinia (2022), Pardee RAND Graduate School.