

December 2009

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EDUCATION

- Ph.D. Economics, Duke University, September 1995.
Thesis Title: The Development of Demand for Intoxicating Substances by Adolescents
Fields of Study: Health Economics, Labor Economics, Public Finance.
- M.A. Economics, Duke University, 1992.
- B.S. Political Science and Economics, Santa Clara University, 1990.

PROFESSIONAL EXPERIENCE

- 2009 – Present Acting Director, Economics, Finance and Organization Unit, RAND Health
- 2007 - Present Core Faculty, Pardee RAND Graduate School of Public Policy
- 2005 – Present Co-Director, Drug Policy Research Center, RAND
- 2005 – Present Senior Economist, RAND
- 1997 – Present Faculty Research Fellow, National Bureau of Economic Research
- 2002 – 2004 Economist, RAND
- 1998 – 2001 Associate Economist, RAND
- 1997 – 1998 Visiting Senior Research Analyst, Health Research and Policy Centers, University of Illinois at Chicago
- 1995 – 1998 Assistant Professor of Economics, School of Business Administration, University of San Diego

UNIVERSITY COURSES TAUGHT

- Undergraduate Health Economics, Statistics, Principles of Macroeconomics, Intermediate Microeconomics, and Money and Banking.
- Graduate Health Economics, Economics of the Health Care Industry, Applied Econometrics, Money and Banking

RESEARCH INTERESTS

Health and Health Care, Drug Markets, Drug Policy, Public Health Policy, and Economics and Crime.

PUBLICATIONS

Journal Articles

- McCaffrey D.; **R.L. Pacula**; B. Han, and P. Ellickson. (Forthcoming) “Marijuana Use and High School Drop Out: The Influence of Unobservables” *Health Economics*. Also released as an NBER Working Paper #14102.
- MacCoun, R., **Pacula, R.L.**, Chriqui JF, Harris K, and P Reuter (Forthcoming) “Do Citizens Know Whether Their State Has Decriminalized Marijuana? Assessing the Perceptual Component of Deterrence Theory” *Review of Law and Economics*.

Journal Articles (continued)

- Pacula, R.L.**; Ringel J; Dobkins C; and K Truong. (2008). "The Incremental Health Services Cost Associated with Marijuana Use" *Drug and Alcohol Dependence*,92: 248-257.
- Eibner, C.; Morral A; **Pacula R.L.**; and J. MacDonald. (2006) "Is the Drug Court Model Exportable? An Examination of the Cost-Effectiveness of a Los Angeles-Based DUI Court" *Journal of Substance Abuse Treatment*, 31(1): 75-85.
- Ramchand R; **Pacula RL**; and M. Iguchi. (2006). "Racial Differences in Marijuana-Users' Risk of Arrest in the United States." *Drug and Alcohol Dependence*, 84(3):264-72.
- Caulkins, J.P., and **R.L. Pacula** (2006). "Marijuana Markets: Inferences from Reports by the Household Population" *Journal of Drug Issues*, 36(1): 173-200.
- Williams J; **Pacula R.L.**; Chaloupka FJ; and H. Wechsler. (2006). "Cocaine Use in our Colleges" *Substance Use and Misuse*. 41(4): 489-509.
- Williams J; **Pacula R.L.**; Chaloupka, F.J.; and H. Wechsler. (2004). "Alcohol and Marijuana Use Among College Students: Economic Complements or Substitutes?" *Health Economics*, 13(9): 825-843.
- Caulkins, J.P.; **Pacula, R.L.**; Paddock, S. and J. Chiesa. (2004). "What Can We – And Can't We – Expect from School-Based Drug Prevention?" *Drug and Alcohol Review* 23(1) : 79-87.
- Pacula R.L.**; Chiqui J.F.; Reichman D.A.; and Terry-McElrath Y. (2002). "State Medical Marijuana Laws: Understanding the Laws and their Limitations" *Journal of Public Health Policy*. 23(4): 413-439.
- Gitterman, D, Sturm R., **Pacula R.L.**, and Scheffler RM. (2001). "Does the Sunset of Mental Health Parity Really Matter?" *Administration & Policy in Mental Health*, 28(5): 353-369.
- Kenkel, D., Mathios, A.D. and **R.L. Pacula**. (2001). "Economics of Youth Drug Use, Addiction and Gateway Effects." *Addiction* 96, Number 1, Special Issue: 151-164.
- Czart, C.; **Pacula R.L.**; Chaloupka F.J.; and H Wechsler. (2001). "The Impact of Prices and Control Policies on Cigarette Smoking among College Students" *Contemporary Economic Policy* 19(2): 135-149.
- Sturm, R., and **Pacula, R. L.** (2001). Private insurance: What has parity brought? *Behavioral Healthcare Tomorrow*, 10(2), SR26-28.
- Pacula, R.L.** and F.J. Chaloupka. (2001). "The Effects of Macro-level Interventions on Addictive Behavior" *Substance Use and Misuse* 36(13): 1901-1922.
- Pacula, R.L.** and R. Sturm. (2000). "Mental Health Parity Legislation: Much Ado About Nothing?" *Health Services Research* 35(1 pt 2): 263-275.
- Sturm, R and **R.L. Pacula**. (2000). "Mental Health Parity and Employer-Sponsored Health Insurance in 1999-2000: I Limits" *Psychiatric Services* 51(11): 1361.
- Pacula, R.L.** and R. Sturm. (2000). "Mental Health Parity and Employer-Sponsored Health Insurance in 1999-2000: II Copayments and Coinsurance " *Psychiatric Services* 51(12): 1487.

- Sturm, R., Gresenz C, **Pacula R.L.**, and K. Wells. (1999). Labor Force Participation by Persons with Mental Illness. *Psychiatric Services*, 51(11): 1407.
- Sturm, R. and **R.L. Pacula**. (1999). "State Mental Health Parity Laws: Cause or Consequence of Differences in Use?" *Health Affairs* 18(5): 182-192.
- Chaloupka, F.J. and **R.L. Pacula**. (1999). "Sex and Race Differences in Young People's Responsiveness to Price and Tobacco Control Policies." *Tobacco Control* 8: 373-377 (Winter)
- Pacula, R.L.** (1998). "Does Increasing the Beer Tax Reduce Marijuana Consumption?" *Journal of Health Economics* 17(5): 557-586.
- Pacula, R.L.** (1997). "Women and Substance Use: Are Women More Susceptible to Addiction?" *American Economic Review* 87 (2): 454-459.
- Pacula, R.L.** (1997). "Economic Modeling of the Gateway Effect." *Health Economics* 6(5): 521-524.

Peer-Reviewed Books, Book Chapters, and Book Reviews

- Kilmer, B and **R.L. Pacula** (Forthcoming). "Drug Prevention and its Impact on Substance Use, Earnings and Educational Outcomes" in Levine P and D Zimmerman (Eds) *Targeting Investments in Children*, University of Chicago Press.
- Caulkins JP and **R.L. Pacula** (Forthcoming) "Drug Policy Research" in P.G. Miller, J. Strang and P.M. Miller (Eds) *Addiction Research Methods*, Blackwell Publishing Company.
- Burnam A and **R.L. Pacula**, (2009) "Insurance Parity" in G.L Fisher and N Roget (Eds) *Encyclopedia of Substance Abuse Prevention, Treatment, and Recovery*, Sage Publishing.
- Eibner, C., Ringel, J.S.; Kilmer, B. **Pacula R.L.**; and C. Diaz. (2008). "The Cost of Post-Combat Mental Health and Cognitive Conditions." In Tanielian and Jaycox (Eds) *Invisible Wounds of War: Psychological and Cognitive Injuries, Their Consequences, and Services to Assist Recovery*. RAND: Santa Monica.
- Pacula, R.L.**; MacCoun R; Reuter P.; Chiqui J.F.; Kilmer B.; Harris K; Paoli L; and C. Schaefer. (2005) "What does it mean to decriminalize cannabis? A cross-national empirical examination" in B. Lindgren and M. Grossman (Eds) Advances in Health Economics and Health Services Research Vol. 16: Substance Use: Individual Behavior, Social Interactions, Markets and Politics. Elsevier Press.
- Hall, W. and **R.L. Pacula**. (2003). *Cannabis Use and Dependence: Public Health and Public Policy*. Melbourne, Australia: Cambridge University Press.
- Pacula, R.L.**; Grossman, M; Chaloupka, F.J.; P. O'Malley; L.D. Johnston and M.C. Farrelly. (2001) "Marijuana and Youth" (pp. 193-191). In Jonathan Gruber (Ed.), *Risky Behavior Among Youths: An Economic Analysis*. Chicago, IL: University of Chicago Press.
- Chaloupka, F.J. and **R.L. Pacula**. (2001). "The Impact of Price on Youth Tobacco Use" (pp.193-199). In David M. Burns and Donald R. Shopland (Eds.), *Changing Adolescent Smoking Prevalence: Where Is It and Why? Smoking and Tobacco Control Monograph No. 14*. Bethesda, MD: US Department of Health and Human Services, National Institutes of Health, National Cancer Institute, NIH Pub. No. 02-5086.

Chaloupka, F.J. and **R.L. Pacula**. (2000). "Economics and Anti-Health Behavior: The Economic Analysis of Substance Use and Abuse" (pp. 89-111). In W. Bickel and R. Vuchinich (Eds), *Reframing Health Behavior Change with Behavioral Economic*. Hillsdale, NJ: Lawrence Earlbaum Associates.

Peer-Reviewed Monographs, Reports and Congressional Testimony

Pacula R.L., S. Hoorens, B Kilmer, P Reuter, J Burgdorf, and P Hunt (2009) "Issues in Estimating the Economic Cost of Drug Abuse in Consuming Nations" Report Commissioned by the European Commission DG Justice, Freedom and Security.

Kilmer B and **R.L. Pacula** (2009) "Estimating the size of the global drug market: A demand-side approach" Report Commissioned by the European Commission DG Justice, Freedom and Security

Nicosia, N, **R.L. Pacula**, B Kilmer, R Lundberg, and J Chiesa (2009) *The Economic Cost of Methamphetamine Use in the United States, 2005*. RAND Research Monograph MG829, Santa Monica CA: RAND.

R.L. Pacula (2009) "Legalizing Marijuana: Issues to Consider Before Reforming California State Law" Testimony presented before the California State Assembly Public Safety Committee, Sacramento, CA October 28, 2009.

Pacula R.L. (2008). "What Research Tells Us About the Reasonableness of the Current Priorities of National Drug Control" Testimony presented before the House Oversight and Government Reform Committee, Subcommittee on Domestic Policy, Washington DC, March 12, 2008.

Caulkins, J., **R.L. Pacula**, J. Arkes, P. Reuter, S. Paddock, M. Iguchi, and J. Riley. (2004). *The Price and Purity of Illicit Drugs: 1981 Through the Second Quarter of 2003*. Office of National Drug Control Policy. November.

Arkes, J., **R.L. Pacula**, S. Paddock, J. Caulkins, and P. Reuter. (2004). *Technical Report for the Price and Purity of Illicit Drugs Through 2003*. Office of National Drug Control Policy. November.

Ringel J, Wasserman J, and **R.L. Pacula** (2003), *The Relationship Between Cigarette Use and Other Tobacco Products: Results from the 2000 National Youth Tobacco Survey*. Legacy First Look Report 10. Washington, DC: American Legacy Foundation.

Caulkins J., **Pacula R.L.**, Paddock S and J. Chiesa (2002), *School-Based Drug Prevention: What kind of drug use does it prevent?* MR-1459-RWJ, RAND. Santa Monica, CA: RAND.

Chriqui, J.F.; **Pacula, R.L.**; McBride, D.C.; Reichmann D.A.; VanderWaal C.J. and Y. Terry-McElrath (2002). *Illicit drug policies: Selected laws from the 50 states and the District of Columbia*, Berrien Springs, MI: Andrews University.

Pacula, R.L. Addictions: Entries and Exits. *Journal of Mental Health Policy and Economics*. 3(3): 165-166, 2000.

Ringel J., **Pacula R.L.**, and J. Wasserman (2000), *The Relationship Between Cigarette Use and Other Tobacco Products: Results From the 1999 National Youth Tobacco Survey*, Legacy First Look Report 4. Washington, DC: American Legacy Foundation.

Ringel, J., **Pacula R.L.**, and J. Wasserman (2000), *Youth Access to Cigarettes: Results from the 1999 National Youth Tobacco Survey*. Legacy First Look Report 10. Washington, DC: American Legacy Foundation.

Caulkins J.P., Everingham S.S., and **R.L. Pacula** (1999), *Modifications to ADAM That Would Enhance Its Capacity to Inform Policy Modeling and Analysis*, PM-903-NIJ, RAND. Santa Monica, CA: RAND.

Working Papers, Presentations

Pacula, R.L. “An Economic Perspective of Data and Analysis Needs for Public Stakeholders” Invited Presentation at the NIDA Clinical Trials Network (CTN) Cost-Effectiveness Evaluation in Addiction Treatment Trials Workshop, July 2009.

Pacula R.L. “The Economic Cost of Methamphetamine Use in the United States, 2005” Congressional Briefing held July 13, 2009, in Rayburn Building, Capitol Hill. Washington DC.

Pacula R.L., Kilmer B, Slaughter M and S. Paddock. “The Dynamics of Drugs and Crime: How Much Does Reducing Drug Use Reduce Drug-related Crime over the Life Course” Paper presented at University of Maryland Crime and Population Dynamics Workshop, June 2009.

Pacula, R.L. “Assessing Price and Purity: Cocaine as a Case Study.” Invited Presentation at European Monitoring Centre Drug Dependence and Addiction’s (EMCDDA) Conference Identifying Europe’s Information Needs for Effective Drug Policy, May 2009.

Nicosia, N, **Pacula R.L.**, Slaughter M.E., Cruz E, Kilmer, B and M. Suttorp. “Estimating Lifetime Trajectories and Costs for Treatment of Marijuana Use” Paper presented at the International Society for the Study of Drug Problems (ISSDP) Meetings, Vienna Australia, March 2009.

Paddock S.M., **Pacula R.L.**, Ringel. J et al., “Using Microsimulation Modeling to Capture Heterogeneity in Marijuana Use” Paper presented at the International Society for the Study of Drug Problems (ISSDP) Meetings, Vienna Australia, March 2009. Also presented at CPDD Annual Meeting, San Juan Puerto Rico, June 2008.

Paddock S, **Pacula, RL**, Ringel, J; Arkes J; Bentley T; Caulkins J; Eibner C; Kilmer B; and M. Suttorp. “An Epidemiological Model for Modeling Marijuana Use Over the Life Course” RAND Working Paper.

Saunders, J, **Pacula R.L.**, Slaughter M.E. “An Examination of Marijuana Trajectories Using Microsimulation” RAND Working Paper.

Pacula, R.L., Ringel, J., Suttorp M, and K Truong. “An Examination of the Nature and Cost of Marijuana Treatment Episodes” Paper presented at the American Society for Health Economics Annual Meeting, Durham, NC, June 2008.

Pacula, R.L. and J.P. Caulkins, “How Well are Drug Prices Measured and Why do We Care?” Presentation to the National Academy of Sciences and Engineering, Committee on Law and Justice, October 12, 2007.

Pacula, R.L.; Ringel J., Truong, K and J. Caulkins. “Is Marijuana Bad for your Health? Evidence from DAWN Emergency Room Episodes” Paper presented at the American Society for Health Economics, Madison Wisconsin, June 2006.

Pacula, R.L. and P. Ebener. “Funding Volatility and Treatment Services: The Case of California” Paper presented at the Addiction Health Services Meeting, Little Rock, Arkansas, October 2006.

Pacula, R.L. and B. Kilmer. “Marijuana Use and Property Crime: Evaluating the relationship with Generalized Linear Models.” Paper presented at APPAM Meeting, November 2005.

Pacula, R.L. “Why Economics Matters When Developing Drug Policy” Keynote Address given at the Workshop on the Economics of Alcohol, Tobacco and Illicit Drugs, Melbourne Australia, November 2005.

Pacula, R.L. “Implementing Prop 36: California Could Do Better” Presentation made at the California Department of Alcohol and Drug Program’s Annual Meeting, Sacramento CA, May 4, 2005.

Pacula, R.L. “The Economics of Addiction: Crossing the Language Barrier” Presentation at the NIDA Conference on Drug Abuse, October 2004.

Pacula, R.L.; Chriqui J.F.; F.J.Chaloupka; L. Johnston; D. Kloska; P.O’Malley; D. McBride. “Do Medical Marijuana Laws Influence the Recreational Use of Marijuana? Evidence from High School Seniors” Paper presented at the American Economic Association Annual Meeting, January 2004.

Pacula R.L. and J.F. Chriqui, “Marijuana Decriminalization in the United States: It’s Not What the Name Implies” National Bureau of Economic Research Working Paper # 9690, May 2003.

Pacula, R.L.; Ringel, J; and K.E.Ross. “The Impact of Marijuana Use on Human Capital Formation” National Bureau of Economic Research Working Paper #9963. September 2003.

Submitted Papers Under Review

Pacula, R.L.; Kilmer B; Grossman M.; and F.J. Chaloupka. “Risk and Prices: The Role of User Sanctions in Marijuana Markets” Paper revised and resubmitted to *Journal of Economic Analysis and Policy*, August 2009. Also released as an NBER Working Paper # 13415, September 2007.

Galenianos, M, **Pacula, R.L.** and Persico, N. “A Search-Theoretic Model of the Retail Markets for Illicit Drugs” Paper submitted to *Review of Economic Studies*, September 2009.

Arkes, A, **Pacula R.L.**, Paddock S, Caulkins J and P Reuter. “Why the DEAs STRIDE Data are Still Useful for Understanding Drug Markets” Paper submitted to *Review of Economics and Statistics*, May 2009. NBER Working Paper #14224, August 2008.

OTHER PROFESSIONAL ACTIVITIES

Assistant Editor, *Addiction*, December 2005 - December 2009.

Conference Host and Program Chair for 4th Annual Meeting of the International Society for the Study of Drug Problems (ISSDP), to be held at RAND Santa Monica, CA., March 2010.

Member of the APPAM Conference Program Committee, Fall 2008 and Fall 2009.

One of 13 members appointed to the Health Services Research Subcommittee, *National Institute on Drug Abuse* Initial Review Group-F, June 2003 – June 2007.

Conference Planner for 2005 Addiction Health Services Research Meeting co-hosted by UCLA and RAND, Santa Monica, CA, October 2005.

One of 11 people appointed to review the 2003 National Research Council and Institute of Medicine's report *Reducing Underage Drinking: A Collective Responsibility*, Committee on Developing a Strategy to Reduce and Prevent Underage Drinking, Richard J. Bonnie and Mary Ellen O'Connell Editors.

Selected to be part of Scientific Committee for the first American Society on Health Economics (ASHE) Meeting, Madison, Wisconsin, 2006.

One of 12 members appointed to the Health Services Research Review Subcommittee of the *National Institute on Alcohol Abuse and Alcoholism* Initial Review Group, (AA-2), July 2001-October 2002.

Regular reviewer for the following journals and foundations: *Addiction*, *American Economic Review*, *Contemporary Economic Policy*, *Health Affairs*, *Health Economics*, *Health Services Research*, *Journal of Health Economics*, *Journal of Policy Analysis and Management*, *Journal of Political Economy*, *Journal of Research in Crime and Delinquency*, *Law and Economics*, *Review of Law and Economics*, *Forum for Health Economics & Policy*, *Medical Care*, *National Science Foundation*, *Robert Wood Johnson Foundation* and *Tobacco Control*.

FUNDED RESEARCH

Co-Investigator on a contract with the European Commission entitled "Drug Supply Reduction and Drug-Related Crime", September 2008 through June 2009.

Co-Principal Investigator on a grant from the National Institute on Drug Abuse entitled "Evaluating the Role of Race in Criminal Justice Referrals to Treatment", March 2008 through February 2010.

Co-Investigator on a contract with the European Commission entitled "Global Markets for Drugs" January 1, 2008 through December 31, 2008.

Principal Investigator on a contract with the Meth Project Foundation entitled "Economic Cost of Methamphetamine Use in 2005" December 1, 2007 through November 30, 2008.

Principal Investigator on a grant from the National Institute on Drug Abuse entitled "The Economic Cost of Drug Use?" May 10, 2006 through April 30, 2010.

Principal Investigator on a grant from the National Institute of Drug Abuse entitled "Are There Economic Costs to Marijuana Use?" February 05, 2000 through January 31, 2004. Received continuing renewal grant for August 2004 through July 2007.

Principal Investigator on a grant from the Robert Wood Johnson foundation entitled "Exploring the Relationship Between Marijuana Policy and Price" January 2004 through December 2005.

Co-Investigator on a grant from the Robert Wood Johnson Foundation entitled "Understanding The Impact Of Funding Volatility On Treatment Services" September 2004 through August 2006.

Principal Investigator on a grant from the Robert Wood Johnson Foundation entitled "Within- and Cross-National Analyses of the Effects of Cannabis Depenalization" July 01, 2002 through June 30, 2005.

Principal Investigator on a government task order from the Office of National Drug Control Policy entitled “The Price of Illicit Drugs” September 2002 through May 2004.

Co-Principal Investigator on a grant from the Robert Wood Johnson Foundation entitled, “State Illicit Drug Surveillance System.” Duane McBride, Principal Investigator. January 1, 2000 through February 2004.

Co-Investigator on a grant from the National Institute of Drug Abuse entitled “Consequences of Drug Use.” Phyllis Ellickson, Principal Investigator. July 2000 through November 2003.

Principal Investigator on a grant from the Robert Wood Johnson Foundation entitled “Are there Unintended Consequences of Alcohol and Tobacco Policies on College Campuses?” Frank Chaloupka, Co-Investigator. November 1, 1998 through October 31, 2001.

Co-Investigator on a grant from the Robert Wood Johnson Foundation entitled “Estimating the Effects of Drug Prevention Programs on the Use of Cocaine, Marijuana, Cigarettes and Alcohol.” Jonathan Caulkins, Principal Investigator. March 3, 2000 through June 30, 2001.

Co-Investigator on a grant from the Robert Wood Johnson Foundation entitled “The Impact of Environmental Factors on Youth and Young Adult Tobacco Use,” Frank Chaloupka Principal Investigator, Michael Grossman and Henry Saffer Co-Principal Investigators. October 1, 1997 through September 30, 1999.

Co-Investigator on a grant from the Center for Disease Control and Prevention entitled “Price, Availability, and Youth Tobacco Use” Frank Chaloupka Principal Investigator. September 1, 1997 through September 30, 1998.

Research Specialist on a grant from the Robert Wood Johnson Foundation entitled “Youth Alcohol, Tobacco and Other Drug Surveillance Initiative,” Frank Chaloupka, Project Director. November 1, 1997 through October 31, 1999.

Research Specialist on a grant from the Robert Wood Johnson Foundation entitled “Youth Alcohol, Tobacco, and Other Drug Surveillance Initiative: Planning Proposal,” Frank Chaloupka, Project Director. October 1, 1997 through October 31, 1997.

Principal Investigator on a grant from the National Institute on Alcohol Abuse and Alcoholism entitled “The Development of Demand for Intoxicating Substances.” August 1, 1993 through July 31, 1995.

HONORS AND AWARDS

- Selected to be the Keynote Speaker at the 2008 Australian Professional Society on Alcohol and Other Drugs (Sydney, November 2008)
- Featured in a research summary the *NBER Reporter* publication (Winter 2005).
- 2004 Winner of RAND Bronze Merit Award for contributions to RAND’s Mission Statement through expansion of research, July 2004.
- Participant in first “Creating Career Opportunities For Female Economists” Conference sponsored by CWEP and the National Science Foundation, January 5-7, 1998.
- University of San Diego School of Business *Top Teachers* List, Fall, 1995
- Magna Cum Laude, 1990.
- Phi Beta Kappa, 1990.
- Alpha Sigma Nu, 1990.