

CURRICULUM VITAE
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EDUCATION AND TRAINING

- 2005 Masters in Public Health, Johns Hopkins Bloomberg School of Public Health, Johns Hopkins University
- 1995 Ph.D., Department of Sociology, University of North Carolina at Chapel Hill.
- 1992 M.A., Department of Sociology, University of North Carolina at Chapel Hill.
- 1990 B.A., Department of Sociology, Stanford University.
- 1998-99 Postdoctoral Fellow with John D. and Catherine T. MacArthur Foundation Research Network on Psychopathology and Development, at the University of Wisconsin, Madison.
- 1997-98 NIA Postdoctoral Fellow with Department of Sociology at the University of Wisconsin, Madison.
- 1995-97 NIMH Postdoctoral fellow with the Mental Health Research Center at the University of Wisconsin, Madison.

PROFESSIONAL EMPLOYMENT

- 2013 Research Professor, Survey Research Center, Institute for Social Research, University of Michigan
- 2011-2013 Professor, Department of Health and Behavioral Sciences, University of Colorado Denver
- 2006-2010 Associate Professor and Chair, Department of Health and Behavioral Sciences, University of Colorado Denver
- 2005-2006 Associate Professor, Department of Mental Health, Johns Hopkins University
- 1999-2005 Assistant Professor, Department of Mental Health, Johns Hopkins University

EDITORIAL AND PROFESSIONAL ACTIVITIES

- 2021 Member, Editorial Board *Discover Social Science and Health*
- 2017-2019 Elected Council Member, Section on Aging and the Life Course, American Sociological Association
- 2016 Invited Member, National Academy of Science's *Committee on the Review of the Health Effects of Electronic Nicotine Delivery Systems (ENDS)*
- 2004-2016 Member, Editorial Board of *Journal of Health and Social Behavior*
Member, Editorial Board of *Society and Mental Health*
Member, Editorial Board of *American Sociological Review*
Reviewer, *Sociology of Education*
Reviewer, *American Sociological Review*
Reviewer, *Social Forces*
Reviewer, *Sociological Perspectives*
Reviewer, *American Journal of Psychiatry*
Reviewer, *Work and Occupations*
Reviewer, *Drug and Alcohol Dependence*

PUBLICATIONS – PEER-REVIEWED JOURNAL ARTICLES

- 2022 Keyes, Katherine M., Noah T. Kreski, Hadley Ankrum, Magdalena Cerda, Qixuan Chen, Deborah Hasin, Silvia Martins, Mark Olfson, and Richard A. Miech. Frequency of adolescent cannabis smoking and vaping in the US: Trends, disparities, and concurrent substance use, 2017 to 2019. *Addiction* 117 (8): 2316-2324. doi: [10.1111/add.15912](https://doi.org/10.1111/add.15912)
- 2022 Miech, Richard, Adam M. Leventhal, Patrick M. O'Malley, Lloyd D. Johnston, and Jessica L. Barrington-Trimis. Failed attempts to quit combustible cigarettes and e-cigarettes among US adolescents. *JAMA* 327 (12): 1179–81. doi: [10.1001/jama.2022.1692](https://doi.org/10.1001/jama.2022.1692)
- 2022 Patrick, Megan E., Yvonne M. Terry-McElrath, Richard A. Miech, Katherine M. Keyes, Justin Jager, and John E. Schulenberg. Alcohol use and the COVID-19 pandemic: Historical trends in drinking, contexts, and reasons for use among U.S. adults. *Social Science & Medicine* 301: 114887. doi: [10.1016/j.socscimed.2022.114887](https://doi.org/10.1016/j.socscimed.2022.114887)
- 2022 Miech, Richard A. Adolescent cannabis users who have never smoked a combustible cigarette: Trends and level of addictive drug use from 1976 to 2020. *Discover Social Science and Health* 2 (3). doi: [10.1007/s44155-022-00005-1](https://doi.org/10.1007/s44155-022-00005-1)

- 2022 Patrick, Megan E., Michael J. Parks, Anne M. Fairlie, Noah T. Kreski, Katherine M. Keyes, and Richard A. Miech. Using substances to cope with the COVID-19 pandemic: U.S. national data at age 19. *Journal of Adolescent Health* 70 (2): 340-4. doi: [10.1016/j.jadohealth.2021.11.006](https://doi.org/10.1016/j.jadohealth.2021.11.006)
- 2022 Gorfinkel, Lauren, Deborah Hasin, Richard A. Miech, and Katherine M. Keyes. The link between depressive symptoms and vaping nicotine in US adolescents, 2017–2019. *Journal of Adolescent Health* 70 (1): 133-9. doi: [10.1016/j.jadohealth.2021.07.003](https://doi.org/10.1016/j.jadohealth.2021.07.003)
- 2021 Miech, Richard A., Adam M. Leventhal, and Lloyd D. Johnston. Recent, national trends in U.S. adolescent use of menthol and nonmenthol cigarettes. Forthcoming. *Tobacco Control*. doi: [10.1136/tobaccocontrol-2021-056970](https://doi.org/10.1136/tobaccocontrol-2021-056970)
- 2021 Kechter, Afton, Junhan Cho, Richard A. Miech, Jessica L. Barrington-Trimis, and Adam M. Leventhal. Nicotine dependence symptoms in U.S. youth that use JUUL e-cigarettes. *Drug and Alcohol Depend* 227: 108941. doi: [10.1016/j.drugalcdep.2021.108941](https://doi.org/10.1016/j.drugalcdep.2021.108941)
- 2021 Miech, Richard A., Megan E. Patrick, Katherine M. Keyes, Patrick M. O'Malley, and Lloyd D. Johnston. Adolescent drug use before and during U.S. national COVID-19 social distancing policies. *Drug and Alcohol Depend* 226: 108822. doi: [10.1016/j.drugalcdep.2021.108822](https://doi.org/10.1016/j.drugalcdep.2021.108822)
- 2021 Miech, Richard A., Mick P. Couper, Steven G. Heeringa, and Megan E. Patrick. The impact of survey mode on US national estimates of adolescent drug prevalence: Results from a randomized controlled study. *Addiction* 116 (5): 1144–51. doi: [10.1111/add.15249](https://doi.org/10.1111/add.15249)
- 2021 Miech, Richard A., Adam M. Leventhal, Lloyd D. Johnston, Patrick M. O'Malley, Megan E. Patrick, and Jessica Barrington-Trimis. Trends in use and perceptions of nicotine vaping among US youth from 2017 to 2020. *JAMA Pediatrics* 175 (2): 185-90. doi: [10.1001/jamapediatrics.2020.5667](https://doi.org/10.1001/jamapediatrics.2020.5667)
- 2020 Evans-Polce, Rebecca J., Megan E. Patrick, Sean E. McCabe, and Richard A. Miech. Prospective associations of e-cigarette use with cigarette, alcohol, marijuana, and nonmedical prescription drug use among US adolescents. *Drug Alcohol Depend*, 108303. doi: [10.1016/j.drugalcdep.2020.108303](https://doi.org/10.1016/j.drugalcdep.2020.108303)
- 2020 Miech, Richard A., Mick P. Couper, Steven G. Heeringa, and Megan E. Patrick. The impact of survey mode on U.S. national estimates of adolescent drug prevalence: Results from a randomized-controlled study. *Addiction*. doi: [10.1111/add.15249](https://doi.org/10.1111/add.15249)
- 2020 Barrington-Trimis, Jessica L., Junhan Cho, Esthelle Ewusi-Boisvert, Deborah Hasin, Jennifer B. Unger, Richard A. Miech, and Adam M. Leventhal. Risk of persistence

and progression of use of 5 cannabis products after experimentation among adolescents. *JAMA Network Open*. doi: [10.1001/jamanetworkopen.2019.19792](https://doi.org/10.1001/jamanetworkopen.2019.19792)

- 2020 Miech, Richard A., Katherine M. Keyes, Patrick M. O'Malley, and Lloyd D. Johnston. The great decline in adolescent cigarette smoking since 2000: consequences for drug use among US adolescents. *Tob Control*. doi: [10.1136/tobaccocontrol-2019-055052](https://doi.org/10.1136/tobaccocontrol-2019-055052)
- 2020 Miech, Richard A., Megan E. Patrick, Patrick M. O'Malley, Lloyd D. Johnston, and Jerald G. Bachman J. G. Trends in reported marijuana vaping among US adolescents, 2017-2019. *JAMA*. doi: [10.1001/jama.2019.20185](https://doi.org/10.1001/jama.2019.20185)
- 2020 Patrick, Megan E., Richard A. Miech, Deborah D. Kloska, Anna C. Wagner, and Lloyd D. Johnston. Trends in marijuana vaping and edible consumption from 2015 to 2018 among adolescents in the US. *Jama Pediatrics*. doi: [10.1001/jamapediatrics.2020.0175](https://doi.org/10.1001/jamapediatrics.2020.0175)
- 2020 Terry-McEllrath, Yvonne, Patrick M. O'Malley, Lloyd D. Johnston, Richard A. Miech, Jerald G. Bachman, and John E. Schulenberg. Diversion of medical marijuana to unintended users among U.S. adults age 35 and 55, 2013-2018. *Preventive Medicine (Baltimore)*, 81(5), 604-613. doi: [10.15288/jsad.2020.81.604](https://doi.org/10.15288/jsad.2020.81.604)
- 2019 Miech, Richard A., Lloyd D. Johnston, Patrick M. O'Malley, Jerald G. Bachman, and Megan E. Patrick. Trends in adolescent vaping, 2017–2019. *New England Journal of Medicine*. doi: [10.1056/NEJMc1910739](https://doi.org/10.1056/NEJMc1910739)
- 2019 Leventhal, Adam M., Richard A. Miech, Jessica Barrington-Trimis, Lloyd D. Johnston, Patrick M. O'Malley, and Megan E. Patrick. Flavors of e-cigarettes used by youths in the United States. *JAMA*. doi:[10.1001/jama.2019.17968](https://doi.org/10.1001/jama.2019.17968)
- 2019 Kelley-Quon, Lorraine I., Junhan Cho, David R. Strong, Richard A. Miech, Jessica L. Barrington-Trimis, Afton Kechter, and Adam M. Leventhal. Association of nonmedical prescription opioid use with subsequent heroin use initiation in adolescents. *Jama Pediatrics*, e191750. PMID: 6618794. doi: [10.1001/jamapediatrics.2019.1750](https://doi.org/10.1001/jamapediatrics.2019.1750)
- 2019 Miech, Richard A., Lloyd D. Johnston, Patrick M. O'Malley, and Yvonne M. Terry-McElrath. The national prevalence of adolescent nicotine use in 2017: Estimates taking into account student reports of substances vaped. *Addictive Behaviors Reports*, doi: [10.1016/j.abrep.2019.100159](https://doi.org/10.1016/j.abrep.2019.100159)
- 2019 Miech, Richard A., Yvonne M. Terry-McElrath, Patrick M. O'Malley, and Lloyd D. Johnston. Increasing marijuana use for black adolescents in the United States: A test of competing explanations. *Addictive Behaviors*, 93, 59-64. doi: [10.1016/j.addbeh.2019.01.016](https://doi.org/10.1016/j.addbeh.2019.01.016)

- 2018 Evans-Polce, Rebecca, Megan E. Patrick, Stephanie T. Lanza, Richard A. Miech, Patrick M. O'Malley, and Lloyd D. Johnston. Reasons for vaping among U.S. 12th graders: A latent class analysis. *Journal of Adolescent Health*, 62(4), 457-462. PMID: 5866738. doi: [10.1016/j.jadohealth.2017.10.009](https://doi.org/10.1016/j.jadohealth.2017.10.009)
- 2018 Keyes, Katherine M., Caroline Rutherford, and Richard A Miech. Historical trends in the grade of onset and sequence of cigarette, alcohol, and marijuana use among adolescents from 1976-2016: Implications for "Gateway" patterns. *Drug Alcohol Depend.* doi: [10.1016/j.drugalcdep.2018.09.015](https://doi.org/10.1016/j.drugalcdep.2018.09.015)
- 2018 Miech, Richard A., Lloyd D. Johnston, Patrick M. O'Malley, Jerald G. Bachman, and Megan E. Patrick. Adolescent vaping and nicotine use in 2017-2018 - U.S. national estimates. *New England Journal of Medicine*. doi: [10.1056/NEJMc1814130](https://doi.org/10.1056/NEJMc1814130)
- 2018 Patrick, Megan E., Mick P. Couper, Virginia B. Laetz, John E. Schulenberg, Patrick M. O'Malley, Lloyd D. Johnston, and Richard A. Miech. A sequential mixed mode experiment in the U.S. national Monitoring the Future study. *Journal of Survey Statistics and Methodology*, 6, 72-97. doi: [10.1093/jssam/smx011](https://doi.org/10.1093/jssam/smx011)
- 2017 Miech, Richard A., Lloyd D. Johnston, and Patrick M. O'Malley. Prevalence and attitudes regarding marijuana use among adolescents over the past decade. *Pediatrics*, 140(6). PMID: 5703791. doi: [10.1542/peds.2017-0982](https://doi.org/10.1542/peds.2017-0982)
- 2017 Soneji, Samir, Jessica L. Barrington-Trimis, Thomas A. Wills, Adam Leventhal, Jennifer B. Unger, Laura A. Gibson, JaeWon Yang, Brian A. Primack, Judy A. Andrews, Richard Miech, Tory R. Spindle, Danielle M. Dick, Thomas Eissenberg, Hornik, Robert C., Rui Dang, and James Sargent. Association between initial use of e-cigarettes and subsequent cigarette smoking among adolescents and young adults: A systematic review and meta-analysis. *JAMA Pediatrics*, 171(8):788-797. PMID: 5656237. doi: [10.1001/jamapediatrics.2017.1488](https://doi.org/10.1001/jamapediatrics.2017.1488)
- 2017 Miech, Richard A., Megan E. Patrick, Patrick M. O'Malley, and Lloyd D. Johnston. The influence of college attendance on risk for marijuana initiation in the United States: 1977 to 2015. *American Journal of Public Health*, 107(6), 996-1002. PMID: 5425867. doi: [10.2105/ajph.2017.303745](https://doi.org/10.2105/ajph.2017.303745)
- 2017 Miech, Richard A., Megan E. Patrick, Patrick M. O'Malley, and Lloyd D. Johnston. E-cigarette use as a predictor of cigarette smoking: Results from a 1-year follow up of a national sample of 12th grade students. *Tobacco Control*, 26(e2), 106-111. PMID: 5545162. doi: [10.1136/tobaccocontrol-2016-053291](https://doi.org/10.1136/tobaccocontrol-2016-053291)
- 2017 Patrick, Megan E., Yvonne M. Terry-McElrath, Richard A. Miech, John E. Schulenberg, Patrick M. O'Malley, and Lloyd D. Johnston. Age-specific prevalence of binge and high-intensity drinking among U.S. young adults: Changes from 2005 to 2015. *Alcoholism: Clinical and Experimental Research*, 41(7), 1319-1328. PMID: 5553703. doi: [10.1111/acer.13413](https://doi.org/10.1111/acer.13413)

- 2017 Patrick, Megan E., Yvonne M. Terry-McElrath, Richard A. Miech, Patrick M. O'Malley, John E. Schulenberg, and Lloyd D. Johnston. Current high-intensity drinking among 8th and 10th grade students in the United States. *American Journal of Preventative Medicine*, 53(6), 904-908. PMID: 5696034. doi: [10.1016/j.amepre.2017.06.027](https://doi.org/10.1016/j.amepre.2017.06.027)
- 2017 Terry-McElrath, Yvonne M., Patrick M. O'Malley, Megan E. Patrick, and Richard A. Miech. Risk is still relevant: Time-varying associations between perceived risk and marijuana use among U.S. 12th grade students from 1991-2016. *Addictive Behaviors*, 74, 13-19. PMID: 5535803. doi: [10.1016/j.addbeh.2017.05.026](https://doi.org/10.1016/j.addbeh.2017.05.026)
- 2016 Bauldry, Shawn, Michael J. Shanahan, Ross Macmillan, Richard A. Miech, Jason D. Boardman, Danielle Dean, and Veronica Cole. Parental and adolescent health behaviors and pathways to adulthood. *Social Science Research*, 58, 227-242. PMID: 4873711. doi: [10.1016/j.ssresearch.2016.02.006](https://doi.org/10.1016/j.ssresearch.2016.02.006)
- 2016 London, Andrew S., Pamela Herd, Richard A. Miech, and Janet M. Wilmoth. The influence of men's military service on smoking across the life course. *Journal of Drug Issues*, 47(4), 562-586. doi: [10.1177/0022042616678617](https://doi.org/10.1177/0022042616678617)
- 2016 Miech, Richard A., Megan E. Patrick, Patrick M. O'Malley, and Lloyd D. Johnston. What are kids vaping? Results from a national survey of U.S. adolescents. *Tobacco Control*, 26(4), 386-391. PMID: 5326604. doi: [10.1136/tobaccocontrol-2016-053014](https://doi.org/10.1136/tobaccocontrol-2016-053014)
- 2016 Miech, Richard A., Patrick M. O'Malley, Lloyd D. Johnston, and Megan E. Patrick. E-cigarettes and the drug use patterns of adolescents. *Nicotine & Tobacco Research*, 18(5), 654-659. PMID: 5654373. doi: [10.1093/ntr/ntv217](https://doi.org/10.1093/ntr/ntv217)
- 2016 Patrick, Megan E., Richard A. Miech, Carola Carlier, Patrick M. O'Malley, Lloyd D. Johnston, and John E. Schulenberg. Self-reported reasons for vaping among 8th, 10th, and 12th graders in the U.S.: Nationally-representative results. *Drug and Alcohol Dependence*, 165, 275-278. PMID: 4939118. doi: [10.1016/j.drugalcdep.2016.05.017](https://doi.org/10.1016/j.drugalcdep.2016.05.017)
- 2015 Keyes, Katherine M., J. Jager, A. Hamilton, Patrick M. O'Malley, Richard A. Miech, and John E. Schulenberg. National multi-cohort time trends in adolescent sensation seeking and the relation with problem behavior from 1976 to 2011. *Drug and Alcohol Dependence*, 155, 267-274. PMID: 4581913. doi: [10.1016/j.drugalcdep.2015.06.031](https://doi.org/10.1016/j.drugalcdep.2015.06.031)
- 2015 Miech, Richard A., Lloyd D. Johnston, Patrick M. O'Malley, Katherine M. Keyes, and Kennon Heard. Prescription opioids in adolescence and future opioid misuse. *Pediatrics*, 136(5), e1169-1177. PMID: 4834210. doi: [10.1542/peds.2015-1364](https://doi.org/10.1542/peds.2015-1364)

- 2015 Miech, Richard A., Lloyd D. Johnston, Patrick M. O'Malley, Jerald G. Bachman, John Schulenberg, and Megan E. Patrick. Trends in use of marijuana and attitudes toward marijuana among youth before and after decriminalization: The case of California 2007-2013. *International Journal of Drug Policy*, 26(4), 336-344. PMID: 4469374. doi: [10.1016/j.drugpo.2015.01.009](https://doi.org/10.1016/j.drugpo.2015.01.009)
- 2015 Miech, Richard A., Michael J. Shanahan, Jason Boardman, and Shawn Bauldry. The sequencing of a college degree during the transition to adulthood: Implications for obesity. *Journal of Health and Social Behavior*, 56(2), 281-295. PMID: 5007865 doi: [10.1177/0022146515581618](https://doi.org/10.1177/0022146515581618)
- 2015 Patrick, Megan E., Patrick O'Malley, Deborah D. Kloska, John E. Schulenberg, Lloyd D. Johnston, Richard A. Miech and Jerald G. Bachman. Novel psychoactive substance use by U.S adolescents: Characteristics associated with use of synthetic cannabinoids and synthetic cathinones. *Drug and Alcohol Review*, 35(5), 586-590. PMID: 4927404. doi: [10.1111/dar.12372](https://doi.org/10.1111/dar.12372)
- 2013 Keyes, Katherine, and Richard A. Miech. Age, period, and cohort effects in heavy episodic drinking in the U.S. from 1985-2009. *Drug and Alcohol Dependence*, 132, 140-148. PMID: 4827021. doi: [10.1016/j.drugalcdep.2013.01.019](https://doi.org/10.1016/j.drugalcdep.2013.01.019)
- 2013 Keyes, Katherine, and Richard A. Miech. Drink to your health? Maybe not. Commentary in *Addiction*, 108(4), 723-724. PubMed PMID: 23496071. doi: [10.1111/add.12137](https://doi.org/10.1111/add.12137)
- 2013 Miech, Richard, Amy Bohnert, Kennon Heard, and Jason Boardman. Increasing use of nonmedical analgesics among younger cohorts in the United States: A birth cohort effect. *Journal of Adolescent Health*, 52, 35-41. PMID: 5558831. doi: [10.1016/j.jadohealth.2012.07.016](https://doi.org/10.1016/j.jadohealth.2012.07.016)
- 2013 Miech, Richard, Andrew S. London, Janet M. Wilmoth, and Stephen Koester. The effects of the military's antidrug policies over the life course: The case of past-year hallucinogen use. *Substance Use and Misuse*, 48, 837-853. PubMed PMID: 23869457. doi: [10.3109/10826084.2013.800120](https://doi.org/10.3109/10826084.2013.800120)
- 2013 Rogers, Richard G., Patrick M. Krueger, Richard A. Miech, and Elizabeth M. Lawrence. Lifetime abstainers and mortality risk in the United States. *Vienna Yearbook of Population Research*, 11(Special issue on Determinants of unusual and differential longevity), 165-183.
- 2013 Rogers, Richard G., Patrick M. Krueger, Richard A. Miech, Elizabeth M. Lawrence, and Robert Kemp. Nondrinker mortality risk in the United States. *Population Research and Policy Review*, 32(3), 325-352. PMID: 4100719. doi: [10.1007/s11113-013-9268-7](https://doi.org/10.1007/s11113-013-9268-7)

- 2012 Bauldry, Shawn, Michael J. Shanahan, Jason D. Boardman, Richard A. Miech, and Ross Macmillan. A life course model of self-rated health through adolescence and young adulthood. *Social Science & Medicine*, 75, 1311-1320. PMC4297471. doi: [10.1016/j.socscimed.2012.05.017](https://doi.org/10.1016/j.socscimed.2012.05.017)
- 2012 Boardman, Jason D., Kari B. Alexander, Richard A. Miech, Ross MacMillan, and Michael J. Shanahan. The association between parents' health and the educational attainment of their children. *Social Science and Medicine*, 75, 932-939. PMC3405899. doi: [10.1016/j.socscimed.2012.04.028](https://doi.org/10.1016/j.socscimed.2012.04.028)
- 2012 Miech, Richard, and Steve Koester. Trends in U.S., past-year marijuana use from 1985-2009: An age-period-cohort analysis. *Drug and Alcohol Dependence*, 124(3), 259-267. PMC4109063. doi: [10.1016/j.drugalcdep.2012.01.020](https://doi.org/10.1016/j.drugalcdep.2012.01.020)
- 2012 Miech, Richard, Steve Koester, and Brooklyn Dorsey. Towards an explanation of the recent increase in drug-related mortality. In Sanders, Bill, Yonette Thomas, and Bethany Griffin Deeds (Eds.), *Crime, HIV and Health: Intersections of Criminal Justice and Public Health Concerns* (pps. 129-150). Springer: New York
- 2011 Miech, Richard, Fred Pampel, Jinyoung Kim, and Richard Rogers. The enduring association of education and mortality: The role of emergent and growing disparities. *American Sociological Review*, 76(6), 913-934.
- 2011 Miech, Richard, Steve Koester, and Brook Dorsey-Holliman. Increasing U.S. mortality due to accidental poisoning: The role of the baby boom cohort. *Addiction*, 106(4), 806-815. PMC4109052. doi: [10.1111/j.1360-0443.2010.03332.x](https://doi.org/10.1111/j.1360-0443.2010.03332.x)
- 2010 Bohnert, Amy S., and Richard A. Miech. Changes in the association of drug use with depressive disorders in recent decades: The case of cocaine. *Substance Use and Misuse*, 45(10), 1452-1462. PMC4109050. doi: [10.3109/10826081003777550](https://doi.org/10.3109/10826081003777550)
- 2010 Walrath, Christine, Godoy Lucas Garraza, Robert Stephens, Melissa Azur, Richard Miech, and Phillip Leaf. Trends in characteristics of children served by the children's mental health initiative: 1994-2007. *Administration and Policy in Mental Health*, 36(6), 361-73. PMC2783722. doi: [10.1007/s10488-009-0231-1](https://doi.org/10.1007/s10488-009-0231-1)
- 2009 Kim, Jinyoung, and Richard Miech. The black-white difference in age trajectories of functional health over the life course. *Social Science and Medicine*, 68(4), 717-725. PMID: 5008456. doi: [10.1016/j.socscimed.2008.12.021](https://doi.org/10.1016/j.socscimed.2008.12.021)
- 2009 Miech, Richard A., Jinyoung Kim, Carrie McConnell, and Richard Hamman. A growing disparity in diabetes-related mortality: U.S. trends 1989-2005. *American Journal of Preventive Medicine*, 36(2), 126-132. PMID: 4608016. doi: [10.1016/j.amepre.2008.09.041](https://doi.org/10.1016/j.amepre.2008.09.041)

- 2009 Sutin, Angelina R., Paul T. Costa, Jr., Richard Miech, and William W. Eaton. Personality and career success: Concurrent and longitudinal relations. *European Journal of Personality*, 23(2), 71-84. PMC2747784. doi: [10.1002/per.704](https://doi.org/10.1002/per.704)
- 2008 Link, Bruce G., Jo C. Phelan, Richard Miech, and Emily Leckman. 2008. The resources that matter: Fundamental social causes of health disparities and the challenge of intelligence. *Journal of Health and Social Behavior*, 49(1), 72-91. PubMed PMID: 18418986. doi: [10.1177/002214650804900106](https://doi.org/10.1177/002214650804900106)
- 2008 Miech, Richard A. The formation of a socioeconomic health disparity: The case of cocaine use during the 1980s and 1990s. *Journal of Health and Social Behavior*, 49(3), 352-366. PMCID: 5563377. doi: 10.1177/002214650804900308.
- 2008 Miech, Richard A., Melissa Azur, Tracy Patterson, Keri Jowers, Amy B. Goldstein, Elizabeth A. Stuart, Christine Walrath, and Phillip J. Leaf. The potential to reduce mental health disparities through the comprehensive community mental health services for children and their families program. *Journal of Behavioral Health Services & Research*, 35(3), 253-64. PMC2770375. doi: [10.1007/s11414-008-9123-5](https://doi.org/10.1007/s11414-008-9123-5)
- 2007 Bevans, Katherine, Catherine Bradshaw, Richard Miech, and Phil Leaf. Staff- and school- level predictors of school organizational health: A multilevel analysis. *Journal of School Health*, 77(6), 294-302. PubMed PMID: 17600586. doi: [10.1111/j.1746-1561.2007.00210.x](https://doi.org/10.1111/j.1746-1561.2007.00210.x)
- 2007 Lin, Frank, Kristin Ceh, Deborah Bervinchak, Anne Riley, Richard Miech, and John K. Niparko. Development of a communicative performance instrument for pediatric cochlear implantation. *Ear and Hearing*, 28(5), 703-712. PubMed PMID: 17804984.
- 2007 Miech, Richard A, and Howard Chilcoat. The formation of a socioeconomic disparity: A case study of cocaine and marijuana use in the 1990s. *American Journal of Preventive Medicine*, 32, S171-S176. PMC2023972. doi: [10.1016/j.amepre.2007.02.021](https://doi.org/10.1016/j.amepre.2007.02.021)
- 2007 Miech, Richard A., Chris Power, and William W. Eaton. 2007. Disparities in psychological distress across education and sex: A longitudinal analysis of their persistence within a cohort over 19 years. *Annals of Epidemiology*, 17(4), 289-295. PubMed PMID: 17174566. doi: [10.1016/j.annepidem.2006.07.015](https://doi.org/10.1016/j.annepidem.2006.07.015)
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PUBLICATIONS – MONOGRAPHS

- 2022 Johnston, Lloyd D., Richard A. Miech, Patrick M. O'Malley, Jerald G. Bachman, John E. Schulenberg, and Megan E. Patrick. *Monitoring the Future national survey results on drug use 1975-2021: Overview, key findings on adolescent drug use*. Ann Arbor: Institute for Social Research, University of Michigan.
- 2022 Miech, Richard A., Lloyd D. Johnston, Patrick M. O'Malley, Jerald G. Bachman, John E. Schulenberg, and Megan E. Patrick. *Monitoring the Future national survey*

results on drug use, 1975-2021: Volume I, Secondary school students. Ann Arbor: Institute for Social Research, The University of Michigan.

- 2022 Patrick, Megan E., John E. Schulenberg, Richard A. Miech, Lloyd D. Johnston, Patrick M. O'Malley, and Jerald G. Bachman. *Monitoring the Future Panel Study annual report: National data on substance use among adults ages 19 to 60, 1976-2021. Monitoring the Future Monograph Series.* Ann Arbor: Institute for Social Research, The University of Michigan.
- 2021 Johnston, Lloyd D., Richard A. Miech, Patrick M. O'Malley, Jerald G. Bachman, John E. Schulenberg, and Megan E. Patrick. *Monitoring the Future national survey results on drug use, 1975-2020: Overview, key findings on adolescent drug use.* Ann Arbor: Institute for Social Research, The University of Michigan.
- 2021 Johnston, Lloyd D., John E. Schulenberg, Patrick M. O'Malley, Megan E. Patrick, Richard A. Miech, and Jerald G. Bachman. *HIV/AIDS: Risk & protective behaviors among adults ages 21 to 30 in the U.S., 2004–2020.* Ann Arbor: Institute for Social Research, The University of Michigan.
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- 2018 Johnston, Lloyd D., Richard A. Miech, Patrick M. O'Malley, Jerald G. Bachman, John E. Schulenberg, and Megan E. Patrick. *Monitoring the Future national survey results on drug use, 1975-2017: Overview, key findings on adolescent drug use.* Ann Arbor: Institute for Social Research, The University of Michigan.
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PUBLICATIONS – OCCASIONAL PAPERS

- 2022 Johnston, Lloyd D., Richard A. Miech, Patrick M. O'Malley, Jerald G. Bachman, John E. Schulenberg, and Megan E. Patrick. *Demographic subgroup trends among adolescents in the use of various licit and illicit drugs, 1975–2021 (Monitoring the Future Occasional Paper No. 97).* Ann Arbor, MI: Institute for Social Research, The University of Michigan.

- 2021 Johnston, Lloyd D., John E. Schulenberg, Megan E. Patrick, Patrick M. O'Malley, Jerald G. Bachman, and Richard A. Miech. *Demographic subgroup trends among young adults in the use of various licit and illicit drugs, 1988-2020 (Monitoring the Future Occasional Paper No. 96)*. Ann Arbor, MI: Institute for Social Research, University of Michigan.
- 2020 Johnston, Lloyd D., John E. Schulenberg, Patrick M. O'Malley, Jerald G. Bachman, Richard A. Miech, and Megan E. Patrick. *Demographic subgroup trends among young adults in the use of various licit and illicit drugs, 1988-2019 (Monitoring the Future Occasional Paper No. 95)*. Ann Arbor: Institute for Social Research, University of Michigan.
- 2020 Johnston, Lloyd D., Richard A. Miech, Patrick M. O'Malley, Jerald G. Bachman, John E. Schulenberg, and Megan E. Patrick. *Demographic subgroup trends among adolescents in the use of various licit and illicit drugs, 1975-2019 (Monitoring the Future Occasional Paper No. 94)*. Ann Arbor: Institute for Social Research, University of Michigan.
- 2019 Johnston, Lloyd D., John E. Schulenberg, Patrick M. O'Malley, Jerald G. Bachman, Richard A. Miech, and Megan E. Patrick. *Demographic subgroup trends among young adults in the use of various licit and illicit drugs, 1988-2018 (Monitoring the Future Occasional Paper No. 93)*. Ann Arbor: Institute for Social Research, University of Michigan.
- 2019 Johnston, Lloyd D., Richard A. Miech, Patrick M. O'Malley, Jerald G. Bachman, John E. Schulenberg, and Megan E. Patrick. *Demographic subgroup trends among young adults in the use of various licit and illicit drugs, 1988-2018 (Monitoring the Future Occasional Paper No. 92)*. Ann Arbor: Institute for Social Research, University of Michigan.
- 2018 Johnston, Lloyd D., John E. Schulenberg, Patrick M. O'Malley, Jerald G. Bachman, Richard A. Miech, and Megan E. Patrick. *Demographic subgroup trends among young adults in the use of various licit and illicit drugs, 1988-2017 (Monitoring the Future Occasional Paper No. 91)*. Ann Arbor: Institute for Social Research, University of Michigan.
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Future Occasional Paper No. 89). Ann Arbor: Institute for Social Research, University of Michigan.

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- 2015 Bachman, Jerald G., Lloyd D. Johnston, Patrick M. O'Malley, John E. Schulenberg, and Richard A. Miech. *The Monitoring the Future Project After Four Decades: Design and Procedures (Monitoring the Future Occasional Paper No. 82)*. Ann Arbor: Institute for Social Research, University of Michigan.
- 2014 Johnston, Lloyd D., Patrick M. O'Malley, Jerald G. Bachman, John E. Schulenberg, and Richard A. Miech. *Demographic Subgroup Trends among Young Adults in the Use of Various Licit and Illicit Drugs 1988-2013 (Monitoring the Future Occasional Paper No. 80)*. Ann Arbor: Institute for Social Research, University of Michigan.
- 2014 Johnston, Lloyd D., Patrick M. O'Malley, Jerald G. Bachman, John E. Schulenberg, and Richard A. Miech. *Demographic Subgroup Trends among Adolescents in the Use*

of Various Licit and Illicit Drugs 1975-2013 (Monitoring the Future Occasional Paper No. 81). Ann Arbor: Institute for Social Research, University of Michigan.

PUBLICATIONS – CHAPTERS

- 2014 Miech, Richard, Fred Pampel, Richard Rogers, Jinyoung Kim. The persistence of mortality disparities over historical time: A test of the 'fundamental cause' perspective. In Grusky, David (Ed.), *Social Stratification* (Chapter 122).
- 2012 Miech, Richard, Steve Koester, and Brooklyn Dorsey. Towards an explanation of the recent increase in drug-related mortality. In Sanders, Bill, Yonette Thomas, and Bethany Griffin Deeds (Eds.), *Crime, HIV and health: Intersections of criminal justice and public health concerns* (pp. 129-150). Springer: New York.
- 2003 Shanahan, Michael J., Scott Hofer, and Richard A. Miech. Planful competence, the life course, and aging: Retrospect and prospect. In S. Zarit, L. Pearlin, & K. W. Schaie (Eds.), *Personal control in social and life course contexts* (pp. 189-211). New York: Springer.

PUBLICATIONS – REPRINTS

- 2009 Miech, Richard A., Avshalom Caspi, Terrie E. Moffitt, Bradley R. Entner Wright, and Phil Silva. Low socio-economic status and mental illnesses: A longitudinal study of selection and causation during young adulthood. *American Journal of Sociology*, 104, 112-47 in McCleod, Jane D., and Eric R. Wright (Eds.). *The Sociology of Mental Illness: A Comprehensive Reader*. Oxford University Press.

PUBLICATIONS – COMMISSIONED EDITORIALS

- 2020 Miech, Richard A. Marijuana Legalization and Marijuana Prevalence among Adolescents. *American Journal of Public Health*. 110(9), p. 1268-1269

RESEARCH GRANT PARTICIPATION

- 2012-2027 National Institute on Drug Abuse, R01, “Monitoring the Future: Drug Use and Lifestyles of American Youth.” Principal Investigator.
- 2012-2027 National Institute on Drug Abuse, R01, “Monitoring the Future: A Cohort-Sequential Panel Study of Drug Use, Ages 19-65.” Dr. Megan Patrick, Principal Investigator; Richard Miech, Co-Investigator.
- 2020-2022 National Institute on Drug Abuse, R01 Supplement, “Monitoring the Future: Drug Use and Lifestyles of American Youth, Vaping Supplement.” Principal Investigator.
- 2019-2022 National Institute on Drug Abuse, R01 Supplement, “Monitoring the Future: Drug Use and Lifestyles of American Youth, HEAL Supplement.” Principal Investigator.

- 2018-2023 National Institute on Alcohol Abuse Alcoholism, R01, “High-intensity drinking and related consequences: Daily data from a national sample aged 19 to 22.” Co-Investigator.
- 2018-2023 National Cancer Institute, U54, “Center for the Assessment of the Public Health Impact of Tobacco Regulations.” Co-Investigator
- 2018-2022 National Institute on Drug Abuse, R01 Supplement, “Monitoring the Future: Drug Use and Lifestyles of American Youth, FDA Supplement.” Principal Investigator
- 2017-2022 National Institute on Drug Abuse, R01, “Monitoring the Future: Drug Use and Lifestyles of American Youth.” Principal Investigator.
- 2017-2022 National Institute on Drug Abuse, R01, “Monitoring the Future: A Cohort-Sequential Panel Study of Drug Use, Ages 19-60.” Dr. John Schulenberg, Principal Investigator; Richard Miech, Co-Investigator.
- 2013-2017 National Institute on Drug Abuse, R01, “Monitoring the Future: Drug Use and Lifestyles of American Youth.” Dr. Lloyd Johnston, Principal Investigator; Richard Miech, Co-Investigator. This five year segment of the ongoing grant ended 4/30/17.
- 2013-2017 National Institute on Drug Abuse, R01, “Monitoring the Future: A Cohort-Sequential Panel Study of Drug Use, Ages 19-55.” Dr. Lloyd Johnston, Principal Investigator; Richard Miech, Co-Investigator. This five year segment of the ongoing grant ended 4/30/17.
- 2010-2014 National Institute on Aging, R01, “Genetic Risk, Pathways to Adulthood, and Health Inequalities.” Dr. Michael Shanahan, Principal Investigator; Richard Miech Co-Investigator. This grant ended 5/31/15.
- 2007-2010 National Institute for Drug Abuse, R01, “The Growing Disparity in Illegal Drug Use across Socioeconomic Strata.” Richard A. Miech, Ph.D., Principal Investigator. This grant ended 6/30/11.
- 2006-2009 National Institute for Mental Health, R01, “Disparities among Children Served by the CMHS Children's Services Program.” Richard A. Miech, Co-Investigator. This grant ended 6/30/09.
- 2002-2008 National Institute for Drug Abuse, K01, “Socioeconomic Status and Illegal Drug Use and Treatment.” Richard A. Miech, Ph.D., Principal Investigator. This grant ended 3/31/08.
- 2002-2004 National Institute for Mental Health, R03, “Socioeconomic Status and Psychopathology over the Life Course.” Richard A. Miech, Ph.D., Principal Investigator. This grant ended 11/30/14.

- 2000 Centers for Disease Control and Prevention: Howard Chilcoat, PI: "Developmental Pathways to Violence: Targets for Intervention"
Role: Co-investigator.
- 1999 Spencer Foundation, PI: Richard Miech for "Socioeconomic Status (SES) and the Adjustment to School; The Role of Externalizing Behavior Problems in Early Childhood."
Role: Principal Investigator.
- 1997-98 Spencer Foundation, UW70710, PI: Richard Miech for "Educational Attainment and Psychiatric Disorders."
Role: Principal Investigator.

METHODOLOGICAL SKILLS

Linear Structural Relationship Models with Latent Variables
Hierarchical Linear Models
Growth Curve Analysis
Generalized Estimating Equations
Event-history analysis
Multivariate Regression
Categorical Data Analysis

RESEARCH INTERESTS

Illegal Drug Use
Mental Health
Social Stratification
Life Course Studies