

Joel Epstein Segel

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Current Position and Affiliations

Associate Professor with tenure, Department of Health Policy and Administration Pennsylvania State University	2021 -
Department of Public Health Sciences, Penn State College of Medicine (courtesy appointment)	2015 -
Director, Penn State Consortium on Substance Use and Addiction	2024 -
Co-Lead, Penn State Cancer Control Program Penn State Cancer Institute	2023 -
Penn State Cancer Institute, Member	2015 -
Penn State Center for Health Care and Policy Research, Research Affiliate	2015 -
Penn State Population Research Institute, Affiliate	2018 -
Penn State Social Science Research Institute, Faculty Affiliate	2023 -

Education

PhD, Health Services Organization and Policy (Health economics cognate) University of Michigan- Ann Arbor Dissertation title: Three Essays in Preventive Health Economics	2015
BA, Economics (Highest Honors and Highest Distinction) University of North Carolina- Chapel Hill	2005

Previous Professional Experience

Assistant Professor, Department of Health Policy and Administration Pennsylvania State University	2015-2021
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Honors and Awards

European Society for Prevention Research Conference Award	2025
Penn State Research-to-Policy Collaboration Scholar Award	2025
Soistman Award, Penn State College of Health and Human Development	2018
Charles C. Shepard Science Award Nominee—co-author	2012
University of Michigan Regents Fellowship	2010-2012
AHRQ Pre-doctoral Traineeship in Health Services Research	2009-2010
RTI Spot Award for outstanding work producing <i>Diabetes Care</i> manuscript	2007
RTI Annual Award for Outstanding Performance	2006
Phi Beta Kappa	2004
Omicron Delta Epsilon, Economics Honor Society	2004

Current Research Funding

Department of Defense Title: Direct vs. Purchased Care as Drivers of Geographic Variation in Cancer Outcomes in the Military Health System Role: Principal Investigator Total Amount: \$652,250	2023-2025
Patient-Centered Outcomes Research Institute (PCORI) Title: Activating SilverSneakers Benefits in Seniors with Osteoarthritis: Proactive vs. Usual Care Role: Co-Investigator (PI: Liza Rovniak) Total Amount: \$5,792,830	2023-2028
National Science Foundation Title: D-ISBN: Developing Early Warning Systems for Emerging Epidemics of Illicit Substances: A Data-Driven Modeling Approach Role: Co-Investigator (PI: Qiushi Chen) Total Amount: \$670,000	2023-2027
Pennsylvania Opioid Misuse and Addiction Abatement Trust Title: Settlement Funding Monitoring and Reporting Role: Co-Investigator (PI: Dennis Scanlon) Total Amount: \$540,000	2023-2026
Idaho Department of Health and Welfare Title: Evaluation of Idaho's Medicaid Behavioral Health Transformation Waiver: Optimizing Statewide Service Delivery for Treatment of Opioid Use Disorder and Serious Mental Illness Role: Co-Principal Investigator Total Amount: \$1,473,024	2021-2027

National Cancer Institute (R01)	2022-2026
Title: Increasing Physical Activity in Rural Pennsylvania: The PA Moves Trial	
Role: Co-Investigator (PIs: Kathryn Schmitz and Mack Ruffin)	
Total Amount: \$5,672,591	
Center for Medicare and Medicaid Innovation (Subcontractor to NORC)	2019-2026
Title: Evaluation of the Pennsylvania Rural Health Model	
Role: Co-Investigator (PI: Dennis Scanlon)	
Total Amount: \$1,151,323	

Pending Research Funding

Defense Health Agency	2026-2029
Title: Impact and Drivers of Variation in Location of Prescription Drug Fills within the Military Health System	
Role: Co-Principal Investigator	
Total Amount: \$1,037,903	
National Institute on Drug Abuse	2026-2031
Title: Center for Prevention Research on Infrastructure to end Substance Misuse (PRISM)	
Role: Project Co-Principal Investigator	
Total Amount: \$15,732,541	
National Institute on Drug Abuse	2025-2030
Title: Supporting Investments in Evidence based Substance Use Services: Experimental Validation of a Decision Support Tool	
Role: Co-Investigator (PI: Max Crowley)	
Total Amount: \$3,959,990	
Department of Defense	2025-2027
Title: Geographic Variation in Direct vs. Purchased Cardiovascular Care and Outcomes in the Military Health System	
Role: Co-Principal Investigator	
Total Amount: \$570,924 (Penn State portion)	

Past Research Funding

National Cancer Institute (R37)	2020-2025
Title: HPV ECHO: Increasing the adoption of evidence-based communication strategies for HPV vaccination in rural primary care practices (PI: William Calo)	
Role: Co-Investigator	

Total Amount: \$1,864,061

Department of Defense Title: Permanent Change of Station and Variation in Cancer Prevention and Care in the Military Health System Role: Principal Investigator Total Amount: \$717,562	2020-2023
Commonwealth of Pennsylvania: Insurance Department Title: Health Insurance Technical Assistance: Insurance and Equity Market Scan Role: Co-Principal Investigator Total Amount: \$160,775	2021-2022
Penn State University Huck Institute Title: Reductions in necessary care as a result of the COVID-19 pandemic Role: Co-Principal Investigator Total Amount: \$42,259	2020-2020
Penn State Cancer Institute Title: Psychosocial challenges and educational/occupational aspirations of adolescent/young adult cancer survivors Role: Co-mentor (PI: Pooja Rao) Total Amount: \$30,000	2020-2021
Penn State Clinical and Translational Science Institute Title: Scaling evidence-based interventions within a health system to achieve population health benefits Role: Co-Investigator (PI: Dennis Scanlon) Total Amount: \$49,894	2020-2021
Commonwealth of Pennsylvania – Department of Health Title: Continuous Quality Improvement of the Pennsylvania Coordinated Medication Assisted Treatment Program Role: Co-Principal Investigator Total Amount: \$499,679	2019-2020
Commonwealth of Pennsylvania – Department of Health Title: Pennsylvania Rural Health Model Role: Co-Investigator (PI: Lisa Davis, Dennis Scanlon) Total Amount: \$4,426,440	2019
Commonwealth of Pennsylvania – Center for Rural Pennsylvania Title: Availability of Hospice and Palliative Care in Rural Pennsylvania Role: Co-Investigator (PI: Lisa Kitko) Total Amount: \$15,000	2019
Penn State Cancer Institute – American Cancer Society Institutional Research Grant	2018-2019

Title: Can Risk-Adjusted Emergency Department Utilization Measure Quality or Value in Breast and Prostate Cancer Care: A Pilot Evaluation of the CMS Oncology Care Model
Role: Principal Investigator
Total Amount: \$30,000

Penn State University Strategic Initiatives Grant 2018-2019
Title: On Campus Ambulatory Intensive Care (AIC) To Improve Health and Wellness of Penn State Employees and Adult Beneficiaries with Chronic Illness
Role: Co-Investigator (PI: Dennis Scanlon)
Total Amount: \$231,217

Penn State SSRI Seed Grant 2018-2019
Title: Predict Spatial-temporal Patterns of Opioid use with Criminal and Overdose Data in Pennsylvania
Role: Co-Investigator (PI: Qiushi Chen)
Total Amount: \$18,691

Commonwealth of Pennsylvania—Office of the Attorney General 2018
Title: Estimation of Societal Costs to States Due to Opioid Epidemic
Role: Co-Investigator (PI: Dennis Scanlon)
Total Amount: \$351,464

National Science Foundation 2010
Title: EAPSI Summer Fellowship in Singapore: Duke-National University of Singapore
Role: Principal Investigator
Total Amount: \$5,000

Peer-Reviewed Journal Articles

58. Roblin DW, **Segel JE**, Hu H, Mendiratta N. (2025). Comparative effectiveness of a complex care program for high-cost/high-need patients: a replication study. *Medical Care*. Accepted.
57. **Segel JE**, Luan P, Ramos RL, Zaorsky NG, Lengerich EJ, Chi G, Chetlen A, Calo WA. (2025). Drivers of variation in human papillomavirus vaccination rates among adolescent dependents within the Military Health System. *Vaccine*. Accepted.
56. Li N, **Segel JE**, Shen C. (2025). Pandemic relief policies and public health: a study on emergency rental assistance and COVID-19 deaths in the USA. *Public Health*. Accepted.
55. **Segel JE**, Chetlen A, Ramos M, Zaorsky NG, Chi G, Luan P. (2025). Individual and catchment area factors associated with breast and cervical cancer screening within the Military Health System. *Military Medicine*, 190 (7-8): e1465-e1470.

54. Rao P, **Segel JE**, Bingen K, Koehly L, Verdery A, Byrnes C, Wasserman E, Costigan H, Dandekar S, Rakszawski K, Songdel N, Blackall G, Vasekar M, Lengerich EJ, Van Scoy LJ. (2025). The impact of a personal cancer diagnosis on the social networks of adolescent and young adult cancer survivors: a qualitative analysis. *Journal of Health Psychology*. E-published ahead of print.
53. Jones AA, **Segel JE**, Skogseth E[^], Apsley H[^], Santos A. (2024). Drug overdose deaths among women 1999-2021 in the United States: differences by race, ethnicity, and age. *Women's Health*. E-published ahead of print.
52. Rao P, **Segel JE**, Bingen K, Devine KA, Rumbaugh CL, Costigan HJ, Dandekar S, Wasserman E, Koehly LM, Blackall GF, Rakszawski K, Songdej N, Verdery AM, Lengerich EJ, Van Scoy LJ. (2024). Education and occupational aspirations of adolescent and young adult cancer survivors: a qualitative analysis. *Supportive Care in Cancer*, 32:572.
51. Jones AA, Waghmare S[^], Harrison E[^], Apsley H[^], **Segel JE**, Santos A. (2024). Regional differences in fatal drug overdose deaths among Black and White individuals in the United States 2012-2021. *American Journal of Addictions*. Online ahead of print.
50. Shearer, RD, **Segel JE**, Howell BA, Jones AA, Khatri UG, Teixeira da Silva D, Vest N, Winkelman TNA. (2024). Racial and ethnic differences in heroin, methamphetamine, and cocaine use, treatment and mortality trends in three national data sources - United States, 2010-2019. *Medical Care*, 62(3): 151-160.
49. Chavehpour Y, Balkrishnan R, **Segel JE**. (2024). Prescription drug spending by payer: implications for managed care. *Exploratory Research in Clinical and Social Pharmacy*. March; 13: 100406.
48. **Segel JE**, Shearer RD, Jones AA, Khatri UG, Howell BA, Crowley DM, Sterner G, Vest N, Teixeira da Silva D, Winkelman TNA. (2024). Understanding regional patterns of overdose deaths related to opioids and psychostimulants. *Substance Use and Misuse*, 59(4): 558-566.
47. **Segel JE**, Wong WG, Kaag M, Joshi M, Warrick J, Lengerich EJ, Shen C. (2024). Relationship between availability of urologists and primary providers and stage of diagnosis for urinary bladder cancer. *Urology Practice*, 11(2): 339-346.
46. Brant K, **Segel JE**, McShane MP, Rhubart D, Kowalkowski J, Palacios HV, Jackson J. (2023). Implementing a teaching rural mobile health clinic: challenges and adaptations. *Journal of Health Care for the Poor and Underserved*, 35(1): 385-390.
45. **Segel JE**. (2023). What's driving spending differences in medical groups and what might that mean for health policy. *Health Services Research*, 58(6): 1161-1163
44. Calo WA, Shah PD, Fogel BN, Ruffin M, Moss JL, Hausman BL, **Segel JE**, Francis E, Schaefer E, Bufalini CM, Johnston N, Hogentogler E, Kraschnewski JL. (2023). Increasing the adoption of evidence-based communication practices for HPV vaccination in primary care clinics: The HPV ECHO study protocol for a cluster randomized controlled trial. *Contemporary Clinical Trials*, epub.
43. Jones AA, Shearer RD, **Segel JE**, Santos-Lozada A, Strong-Jones S, Vest N, Teixeira da Silva D, Khatri UG, Winkelman T. (2024). Opioid and stimulant attributed treatment admissions and fatal overdoses: using national surveillance data to examine the intersection of race, sex, and polysubstance use, 1992-2020. *Drug and Alcohol Dependence*, 260:110576.

42. Akande AO, Riehman-Murphy CE, Oji-Mmuo CN, Sterner G, **Segel JE**, Jones A, Adam M. (2023). A scoping review of the opioid epidemic among US immigrants: implications for policy and treatment practices. *Journal of Ethnicity in Substance Abuse*, 8:1-19.
41. Shearer, RD, Jones AA, Howell BA, **Segel JE**, Winkelman TNA. (2022). Associations between prescription and illicit stimulant and opioid use in the United States, 2015-2020. *Journal of Substance Abuse Treatment*, 143: e108894.
40. Hao Q[^], **Segel JE**, Gusani NJ, Hollenbeak CS. (2022). Do Not Resuscitate orders and outcomes for patients with pancreatic cancer. *Journal of Pancreatic Cancer*, 8(1): 15-24.
39. Hsuan C, **Segel JE**, Hsia RY, Wang Y[^], Rogowski JA. (2022). Association of emergency department crowding with inpatient discharges. *Health Services Research*, 58(4): 828-843.
38. Tchelebi LT, Shen B, Wang M, Potters L, Herman J, Boffa D, **Segel JE**, Park HS, Zaorsky NG. (2022). Non-adherence to guideline-concordant paradigms in the treatment of cancer. *Advances in Radiation Oncology*, 7(5): e100938.
37. Chen Q, Sterner GE, **Segel JE**, Feng ZY[^]. (2022). Trends in opioid-related crime incidents and comparison with opioid overdose outcomes in the United States. *International Journal of Drug Policy*, 101: e10355.
36. Tran L[^], Chetlen AL, Leslie DL, **Segel JE**. (2022). Effect of out-of-pocket costs on subsequent mammography screening. *Journal of the American College of Radiology*. 19(1): 24-34.
35. Zaorsky NG, Khunsriraksakul C[^], Aciri SL[^], Liu D, Ba DM, Lin JL, Liu G, **Segel JE**, Drabick JJ, Mackley HB, Leslie DL. (2021). Medical service use and charges for cancer care in 2018 for privately insured patients younger than 65 years in the US. *JAMA Network Open*. 4(10): e2127784.
34. **Segel JE**, Schaefer EW, Zaorsky ZG, Hollenbeak CS, Ramian H[^], Raman JD. (2021). Potential winners and losers: understanding the Oncology Care Model may differentially impact hospitals. *JCO: Oncology Practice*. 17(8): e1150-e1161.
33. Ortiz SE, **Segel JE**, Tran LM[^]. (2021). Health savings plans and disparities in access to care by race and ethnicity. *American Journal of Preventive Medicine*. 61(2): E81-E92.
32. Roblin DW, **Segel JE**, McCarthy RJ, Mendiratta N. (2021). Comparative effectiveness of a complex care program for high-cost/high-need patients: a retrospective cohort study. *Journal of General Internal Medicine*. Epublished ahead of print.
31. **Segel JE**, Winkelman TNA. (2021). Persistence and pervasiveness: early wave opioid mortality associated with subsequent overdose deaths. *Public Health Reports*. 136(2): 212-218.
30. **Segel JE**, Ross HI[^], Edwards JL, Braun KA, Davis LA. (2021). The unique challenges facing rural providers in the COVID-19 pandemic. *Population Health Management*. 24(3): 304-306.
29. **Segel JE**, Tran L[^]. (2021). Differences between participant and non-participant hospitals in the Pennsylvania Rural Health Model. *Journal of General Internal Medicine*. Epublished ahead of print.

28. **Segel JE**, Hollenbeak CS, Gusani NJ. (2020). Rural-urban disparities in pancreatic cancer stage of diagnosis: understanding the interaction with Medically Underserved Areas. *Journal of Rural Health*. 36(4): 476-483.
27. **Segel JE**, Lengerich EJ. (2020). Rural-urban differences in the association between individual, facility, and clinical characteristics and travel time for cancer treatment. *BMC Public Health*. 20(1):196.
26. Kalidindi Y ^, Jung J, **Segel JE**, Leslie D. (2020). Impact of length of hospice on spending and utilization among Medicare beneficiaries with lung cancer. *American Journal of Hospice and Palliative Medicine*. 37(4): 286-293.
25. Mama SK, Bhuiyan N ^, Foo W, **Segel JE**, Bluethmann SM, Winkels RM, Wiskemann J, Calo W, Lengerich EJ, Schmitz KH. (2020). Rural-urban differences in meeting physical activity recommendations and health status in cancer survivors in central Pennsylvania. *Supportive Care in Cancer*. 28: 5013-5022.
24. Rao P, **Segel JE**, McGregor LM, Lengerich EJ, Drabick JJ, Miller B. (2020). Attendance at National Cancer Institute and Children's Oncology Group facilities for children, adolescents, and young adults with cancer in Pennsylvania: a population-based study. *Journal of Adolescent and Young Adult Oncology*. 9(1): 47-54.
23. **Segel JE**, Jung J. (2019). Coverage, financial burden, and the Patient Protection and Affordable Care Act for patients with cancer. *Journal of Oncology Practice*. 15(12): e1035-e1049.
22. Kalidindi Y ^, **Segel JE**, Jung J. (2019). Impact of hospice on spending and utilization among patients with lung cancer in Medicare. *American Journal of Hospice and Palliative Medicine*. Epub ahead of print.
21. **Segel JE**, Shi Y, Moran JR, Scanlon DP. (2019). Opioid misuse, labor market outcomes, and means-tested public expenditures: a conceptual framework. *American Journal of Managed Care*. 25(Suppl 13): S270-S276.
20. **Segel JE**, Schaefer EW, Raman JD, Hollenbeak CS. (2019). The association between hospitals' risk-adjusted emergency department visits and survival and costs in kidney cancer patients undergoing nephrectomy. *Clinical Genitourinary Cancer*. 17(3): e650-e657.
19. **Segel JE**, Moran JM, Shi Y, Scanlon DP. (2019). Revenue losses to state and federal government from opioid-related employment reductions. *Medical Care*. 57(7): 494-497.
18. **Segel JE**, Ortiz SE, Shaw B, Stephens M, Scanlon DP. (2019). Becoming a learning health system: designing and implementing a patient-centered clinical intervention. *Management in Healthcare*. 3(4): 302-316.
17. Winkelman TNA, **Segel JE**, Davis MM. (2019). Medicaid enrollment among previously uninsured Americans and associated outcomes by race/ethnicity - United States, 2008-2014. *Health Services Research*. 54(2): 296-306.
16. **Segel JE**, Balkrishnan R, Hirth R. (2017). The effect of false-positive mammograms on antidepressant and anxiolytic initiation. *Medical Care*. 55(8): 752-758.

15. Kullgren JT, **Segel JE**, Peterson TA, Fendrick MA, Singh S. (2017). Availability and variation of publicly reported prescription drug prices. *American Journal of Managed Care*. 23(7): 444-448.
14. Huesch MD, Chetlen A, **Segel JE**, Schetter S. (2017). Frequencies of private mentions and sharing of mammography and breast cancer terms on Facebook: a pilot study. *Journal of Medical Internet Research*. 19(6):e201.
13. Huesch MD, Schetter S, **Segel JE**, Chetlen A. (2017). Evaluation of the ‘Angelina Jolie effect’ on screening mammography utilization in an academic medical center. *Journal of the American College of Radiology*. 14(8): 1020-1026.
12. **Segel JE**, Kullgren JT. (2017). Health insurance deductibles and their associations with out-of-pocket spending and affordability barriers among US adults with chronic conditions. *JAMA Internal Medicine*. 177(3): 433-436.
11. Honeycutt AA, **Segel JE**, Williams D, Zhuo X, Hoerger TJ, Imai K. (2013). Medical costs of chronic kidney disease in the Medicare population. *Journal of the American Society of Nephrology*. 24(9): 1478-1483.
10. Dixon JB, Murphy DK, **Segel JE**, Finkelstein EA. (2012). Impact of laparoscopic adjustable gastric banding on type 2 diabetes. *Obesity Reviews*. 13(1): 57-67.
9. Lopes GL, **Segel JE**, Tan DSW, Do YK, Mok T, Finkelstein EA. (2012). Cost-effectiveness of epidermal growth factor receptor mutation testing and first line treatment with gefitinib for patients with advanced adenocarcinoma of the lung. *Cancer*. 118(4): 1032-1039.
8. Hoerger TJ, Ekwueme DU, Miller JW, Uzunangelov V, Hall IJ, **Segel J**, Royalty J, Gardner JG, Smith JL, Li C. (2011). Estimated effects of the National Breast and Cervical Cancer Early Detection Program on breast cancer mortality. *American Journal of Preventive Medicine*. 40(4): 397-404.
7. Hoerger TJ, Zhang P, **Segel JE**, Kahn HS, Barker LE, Couper, S. (2010). Cost-effectiveness of bariatric surgery for severely obese adults with diabetes. *Diabetes Care*. 33(9): 1933-1939.
6. Hoerger TJ, Wittenborn JS, **Segel JE**, Burrows NR, Imai K, Eggers P, Pavkov ME, Jordan R, Hailpern SM, Schoolwerth AC, Williams DE. (2010). A cost-effectiveness model of chronic kidney disease: I. Model construction, assumptions, and validation. *American Journal of Kidney Diseases*. 55(3): 452-462.
5. Hoerger TJ, Wittenborn JS, **Segel JE**, Burrows NR, Imai K, Eggers P, Pavkov ME, Jordan R, Hailpern SM, Schoolwerth AC, Williams DE. (2010). A cost-effectiveness model of chronic kidney disease: II. The cost-effectiveness of microalbuminuria screening. *American Journal of Kidney Diseases*. 55(3): 463-473.
4. Hoerger T J, Zhang P, **Segel JE**, Gregg EW, Narayan V, Hicks KA. (2009). Improvements in risk factor control among persons with diabetes in the United States: evidence and implications for remaining life expectancy. *Diabetes Research and Clinical Practice*. 86(3): 225-232.
3. Honeycutt AA, **Segel JE**, Hoerger TJ, and Finkelstein EA. (2009). Comparing cost-of-illness estimates from alternative approaches: An application to diabetes. *Health Services Research*. 44(1): 303-320.

2. Hoerger TJ, **Segel JE**, Gregg EW, and Saaddine JB. (2008). Is glycemic control improving in U.S. adults? *Diabetes Care*. 31(1), 81-86.

1. Finkelstein EA, Brown DS, Trogon JG, **Segel JE**, and Ben-Joseph RH. (2007). Age-specific impact of obesity on disease prevalence and medical costs overall and for precursors to metabolic syndrome. *Value in Health*. 10(S1), S45–S51.

^ indicates student author

Working Papers

Huntington-Klein N et al. (2025). The sources of researcher variation in economics. NBER working paper. <https://www.nber.org/papers/w33729>.

Jones AA, Shearer R, Strong-Jones S[^], Winkelman T, **Segel JE**. (2025). Psychedelic use among adults and adolescents in the United States 2005-2021: differences by race/ethnicity and serious psychological distress. *Under review*.

McShane MP, Kowalkowski JA, Brant K, **Segel JE**, Visco A, Volpe P, Stephens M. (2025). The Tailgate Medicine Model: a possible integrative method of care delivery for rural populations. *Revising to resubmit*.

Ramos MF, Zaorsky NG, Luan P, Calo WA, Chetlen A, Lengerich E, Chi G, **Segel JE**. (2025). Drivers of variation in radiotherapy following lumpectomy in the Military Health System. *Under review*.

Khodakarami N, Giannouchos TV, Marthey D, Ukert B, **Segel J**, Dague L. (2025). Medicaid unwinding increased uninsured emergency department visits in California. *Under review*.

Other Published Papers

McCormack H, Cioffi C, Shafiee A, Plemmons A, **Segel JE**, Terplan M, Hammerslag L, Stein B. (2025). Addressing Ohio’s opioid crisis: improving remote treatment of opioid use disorder. *Research-to-Policy Collaboration Written Briefs*. <https://evidence2impact.psu.edu/resources/addressing-ohios-opioid-crisis-improving-remote-treatment-of-opioid-use-disorder/>.

Segel, JE. (2024). No free lunch: the misaligned incentives of the American health care system. *Population Health, Equity & Outcomes*.

Masterson, L. (2022). What is a health insurance deductible? Available at <https://www.insure.com/health-insurance/what-is-a-health-insurance-deductible/> [Provided expert advice].

Segel, JE. (2020). The impact of COVID-19 on non-COVID care and population health. Penn State COVID-19 Insights from the Experts blog. <https://covid-19.ssri.psu.edu/articles/impact-covid-19-non-covid-care-and-population-health>. Published June 26, 2020.

Segel JE, Leslie D, Zajac G, Crowley DM, Morgan P. (2019). Opioid epidemic may have cost states at least \$130 billion in treatment and related expenses – and that’s just the tip of the iceberg. *The Conversation*. <https://theconversation.com/opioid-epidemic-may-have-cost-states-at-least-130-billion-in-treatment-and-related-expenses-and-thats-just-the-tip-of-the-iceberg-118245>.

Finkelstein EA, **Segel JE**. (2010). Does cost-savings mean cost-effective? *American Journal of Preventive Medicine*, 39(6): 489-490.

Hoerger TJ, **Segel JE**, Zhang P, Sorensen SW. (2009). Validation of the CDC-RTI Diabetes Cost-Effectiveness Model. RTI Press. No. MR-0013-0909. Research Triangle Park, NC, RTI International.

Segel JE. (2006). Cost of illness studies: a primer. Center of Excellence in Health Promotion Economics website. http://www.rti.org/pubs/COI_Primer.pdf.

Selected Presentations

Oral Presentations

Segel JE. (2025). Evaluating Substance-Related State Policies: Elevate Pennsylvania, CSUA, and other ongoing work. Presented at the Penn State Prevention Research Center Seminar Series.

Segel JE, Jones D, Donovan M. (2025). Policy Decision-making in Prevention: Tools, Technology, and Opportunities to support the Prevention Continuum. Presented at the European Society for Prevention Research.

Segel JE, Ramos M, Zaorsky NG, Luan P, Chetlen A, Chi G, Calo W. (2025). Drivers of geographic variation in radiation therapy following lumpectomy for breast cancer patients in the Military Health System. Presented at Military Health System Research Symposium.

Segel JE, Bond A, Richard P, Yoon J. (2025) Spotlight Session: Research and funding opportunities using the Military Health data. Presented at the AHSEcon Annual Conference of the American Society of Health Economists.

Segel JE. (2025). Finding value in health care for high-cost, high-need populations. Presented at the University of Arkansas Medical School.

Segel JE, Ramos ML, Zaorsky NG, Lengerich EJ, Chi G, Chetlen A, Luan WP, Calo WA. (2025). Drivers of variation in human papillomavirus vaccination rates among adolescent dependents within the Military Health System. Presented at American Society of Preventive Oncology.

Segel JE. (2025) Permanent change of station and variation in cancer prevention and care in the Military Health System. Presented at the State of the Science: Health Services Research in the Military Health System 2025 conference at Uniformed Services University.

Segel JE, Sterner G. (2025). The Penn State Consortium on Substance Use and Addiction. Presented at The Science of Addiction and Mental Health event at the Dirksen Senate Building hosted by The Science Coalition.

Segel JE. (2024) Developing a data warehouse structure to monitor impacts of settlements over time. Presented at Syndemic Summit 2024.

Segel JE. (2024) Examining the uses of opioid settlement funds based on the reporting data from counties. Presented at Syndemic Summit 2024.

Segel JE. (2024) Drivers of variation in breast and cervical cancer screening within the Military Health System. Presented at Mayo Clinic MCCCC Enterprise Grand Rounds.

Segel JE. (2024) Evaluating access to care in rural communities. Presented at Penn State University Symposium on Social Science Research on Rural Health.

Segel JE, Chen Q, Sterner G, Scanlon D. (2023). Elevate Pennsylvania Initiative: integrating evaluation and engagement to maximize public health and safety outcomes from the opioid settlement. Presented at West Virginia University, Appalachian node of the NIDA CTN.

Chen Q, Holmes L, **Segel JE**, Sterner G, Scanlon D. (co-presenters) (2023). Understanding the opioid overdose crisis through empirical data. Presented at National Institute on Drug Abuse.

Segel JE, Crowley DM. (2023). Idaho Behavioral Health Transformation Waiver evaluation mid-point assessment. Presented at Idaho Department of Health and Welfare.

Segel JE. (2022). Medicare coverage and where patients go for cancer care. Presented at University of Kentucky College of Public Health.

Segel JE. (2021). Health care after COVID-19: the more things change the more they stay the same. Presented at Healthcare Financial Management Association, New Jersey Chapter.

Segel JE. (2021). Career discussion panel. University of Michigan School of Public Health.

Segel JE. (2020). Beyond opioids: understanding the changing substance misuse landscape. Presented at Penn State Department of Public Health Sciences.

Crowley DM, **Segel JE**, Sterner G, Donovan M. (2020). Technical assistance: continuous quality improvement of the PA Coordinated Medication-Assisted Treatment (PacMAT) Program. Presented at Pennsylvania Opioid Command Center.

Segel JE. (2020 – postponed due to COVID-19). Economics of prescription drugs: pricing, access, and policy. Penn State College of Medicine American Medical Association student group.

Segel JE. (2020 – postponed due to COVID-19). Changes in coverage and financial burden among cancer patients following the ACA. Penn State Center for Healthy Aging.

Segel JE. (2019). Population health and GYN malignancies. Invited talk as part of plenary session at Penn State Cancer Institute Annual Retreat.

Segel JE. (2018). Diffusion of breast cancer screening technology: patterns of digital breast tomosynthesis screening. Invited presentation at Penn State Prevention Research Center Seminar Series.

Segel JE. (2017). Changing dynamics of health insurance and utilization for individuals diagnosed with cancer. Invited presentation at University of Virginia Department of Public Health Sciences Seminar Series.

Segel JE, Winkelman TNA, Kullgren JT. (2017). A double whammy: premium costs and cost-sharing are higher for employees in high-deductible health plans. Presented at AcademyHealth's Health Economics Interest group meeting.

Segel JE, Lengerich E. (2016). Association of individual, clinical, and hospital characteristics on cancer patient hospital choice and travel time. Presented at NIH Conference on Geospatial Approaches to Cancer Control and Population Sciences.

Segel JE, Lengerich E. (2016). Estimating hospitals' cancer care market share and its variation by patient and clinical factors. Presented at NIH Conference on Geospatial Approaches to Cancer Control and Population Sciences.

Baik S[^], Miranda PY, **Segel JE, Knapp CA.** (2016). Barriers to healthcare among the insured non-elderly people in the U.S. Presented at American Public Health Association annual meeting.

Segel JE. (2014). Positively frightened: spillover effects of mammography false-positives on medication adherence. Presented at American Society of Health Economists (ASHE), Los Angeles, CA.

Poster Presentations

Segel JE, Ramos M, Zaorsky NG, Lengerich E, Chi G, Chetlen A, Luan P, Calo W. (2025). Drivers of variation in human papillomavirus vaccination rates among adolescent dependents within the Military Health System. Poster presented at the Interdisciplinary Association for Population Health Science Conference.

Segel JE, Ramos M, Zaorsky NG, Lengerich E, Chi G, Chetlen A, Luan P, Calo W. (2025). Drivers of variation in human papillomavirus vaccination rates among adolescent dependents within the Military Health System. Poster presented at AcademyHealth Annual Research meeting.

Segel JE, Luan P, Berge A, Miller D, Calo W. (2024). Patient and Military Health System catchment area characteristics associated with HPV vaccination rates. Poster presented at Military Health System Research Symposium.

Segel JE, Luan P, Berge A, Miller D. (2023). Permanent change of station and geographic variation in the Military Health System. Poster presented at Military Health System Research Symposium.

Segel JE, Luan P, Berge A, Miller D. (2023). Geographic variation in cancer screening and catchment area associated factors within the Military Health System. Poster presented at Military Health System Research Symposium.

Segel JE, Luan P, Berge A, Schaefer E. (2023). Geographic variation in cancer screening within the Military Health System. Poster presented at AcademyHealth Annual Research meeting.

Segel JE, Wong W, Kaag M, Joshi M, Warrick J, Lengerich E, Shen C. (2023). Relationship between urology and primary care density and stage of diagnosis for urinary bladder cancer. Poster presented at AcademyHealth Annual Research meeting.

Segel JE. (2020). Oxycontin reformulation associated with increase in emergency department visits related to non-opioid substances among Pennsylvania Medicaid enrollees. Poster presented at AcademyHealth Annual Research meeting.

Segel JE, Hollenbeak CS, Gusani NJ. (2020). Rural-urban disparities in pancreatic cancer stage of diagnosis: understanding the interaction with Medically Underserved Areas. Poster presented at American Society of Preventive Oncology meeting.

Segel JE, Hollenbeak CS, Gusani NJ. (2020). Rural-urban disparities in pancreatic cancer stage of diagnosis: understanding the interaction with Medically Underserved Areas. Poster presented at American Society of Preventive Oncology meeting.

Segel JE, Ortiz SE, Winkelman TNA. (2019). Changes in expenditures, utilization, and access among uninsured individuals gaining Medicaid vs. private insurance. Poster presented at AcademyHealth Annual Research meeting.

Segel JE, Schaefer EW, Raman JD, Hollenbeak CS. (2019) The association between hospitals' risk-adjusted emergency department visits and survival and costs in kidney cancer patients. Poster presented at Society of Emergency Medicine Annual Meeting. [Awarded Blue Ribbon]

Segel JE, Schaefer EW, Raman JD, Hollenbeak CS. (2019) The association between hospitals' risk-adjusted emergency department visits and survival and costs in kidney cancer patients. Poster presented at ASCO Genitourinary Symposium.

Segel JE. (2018). Changing dynamics of health insurance and utilization for individuals diagnosed with cancer: effect of the Affordable Care Act. Poster presented at AcademyHealth Annual Research meeting.

Winkelman TNA, **Segel JE**, Davis MM. (2018). Reducing disparities through Medicaid enrollment among previously uninsured Americans – United States, 2008-2014. Poster presented at AcademyHealth Annual Research meeting.

Segel JE, Kullgren JT. (2016). Effects of high-deductible health plan enrollment on out-of-pocket spending and high medical cost burdens among Americans with chronic conditions. Poster presented at American Public Health Association annual meeting.

Segel JE, Kullgren JT. (2016). Effects of high-deductible health plan enrollment on out-of-pocket spending and high medical cost burdens among Americans with chronic conditions. Poster presented at AcademyHealth Annual Research meeting.

Segel JE, Jung JK, Cheong C. (2016) Effect of the Affordable Care Act preventive services provision on utilization and out-of-pocket costs. Poster presented at AcademyHealth Annual Research Meeting.

Segel JE, Jung JK, Cheong C. (2016) Effect of the Affordable Care Act preventive services provision on utilization and out-of-pocket costs. Poster presented at American Society of Health Economists (ASHE).

Segel JE. (2015) Heterogeneous spillover effects of false-positive mammography on medication adherence. Poster presented at AcademyHealth Annual Research Meeting.

Segel JE. (2015) The effect of false-positive mammograms on depression and anxiety medication initiation. Poster presented at AcademyHealth Annual Research Meeting.

Segel JE. (2013). Heterogeneous spillover effects of mammography false-positive on medication adherence. Student poster presented at AcademyHealth Annual Meeting, Baltimore, MD.

Segel JE, Honeycutt AA, Imai K, Schoolwerth A, Rios-Burrows R, Pavkov M, Williams D. (2008). Laboratory-based diagnosis of chronic kidney disease and claims-based reporting of renal disease: how well do they correspond. Poster presented at the 2008 American Society of Nephrology Renal Week meeting.

Honeycutt AA, **Segel JE,** Imai K, Rios-Burrows R, Pavkov M, Schoolwerth A, Williams D. (2008). Medical costs attributable to chronic kidney disease among Medicare beneficiaries. Poster presented at the 2008 American Society of Nephrology Renal Week meeting.

^ Denotes student presenting author.

Technical Reports

Scanlon D, **Segel J,** Moran J, Shumaker K, Haeder S. (2023). Health insurance plan availability and enrollment on the Pennie® marketplace and off-exchange: assessing differences along dimensions of social vulnerability. Prepared for Pennsylvania Insurance Department.

Crowley DM, **Segel JE,** Sterner G, Stauffer A, Donovan M, Shaw B, Xing X, Zeveney A, Farley D. (2020). Formative evaluation of the Pennsylvania Coordinated Medication-Assisted Treatment Program (PacMAT). Prepared for Pennsylvania Department of Health.

Segel J, Thiede E, Kitko L. (2020). Palliative care and hospice availability in rural Pennsylvania (Cooperative Agreement 2019-6). Prepared for the Center for Rural Pennsylvania.

Segel JE, Tran L, Ramian H. (2019). Pennsylvania Rural Health Model year 1 report: Data aggregation and analytic support final report. Prepared for the Pennsylvania Department of Health.

Segel JE, Hoerger TJ, Finkelstein EA. (2009). Health benefits, risks, and costs of gastric bypass and gastric banding surgery: literature review. Prepared for Centers for Disease Control and Prevention.

Honeycutt AA, **Segel JE.** (2009). Assessing the economic burden of chronic kidney disease in the United States. Prepared for Centers for Disease Control and Prevention.

Finkelstein EA, Honeycutt AA, **Segel JE.**(2008). The fraction of medical payments attributable to obesity in San Francisco. Prepared for City and County of San Francisco.

Segel JE, Honeycutt AA, and Bapat BS. (2007). Literature review of the economic burden of chronic kidney disease in the United States. Prepared for Centers for Disease Control and Prevention.

Hoerger TJ, Wittenborn JS, and **Segel JE.** (2007) Evaluation of interventions for chronic kidney disease and its complications. Prepared for Centers for Disease Control and Prevention.

Rein DB and **Segel JE**. (2007). Should patient characteristics be included in a severity of need index for Ryan White care act services? An evaluation based on the Medical Expenditure Panel Survey. Prepared for the Health Resources Services Administration, HIV/AIDS Bureau.

Teaching Experience

Pennsylvania State University

Instruction

Faculty Instructor: Health Policy and Administration 200: Health Data Analysis for Research (2025 -)

Faculty Instructor: Health Policy and Administration 528: Health Data Analysis for Research (2016-2023)

Faculty Instructor: Health Policy and Administration/Economics 445: Health Economics (2015-2021)

Advising

Dissertation

In progress

Paul Eze (expected 2026; dissertation chair)

Yousef Chavehpour (expected 2026; dissertation chair)

Shashim Waghmare (expected 2027; dissertation chair)

Justin Rist (expected 2028; outside member)

Eric Harrison (expected 2028; outside member)

Completed

Chair or co-chair

Joshua Fansler (2025; dissertation chair)

Linh Tran (2022; PhD dissertation chair)

Alejandro Amill-Rosario (2021; PhD dissertation chair)

Haleh Ramian (2021; PhD dissertation chair)

Sohye Baik (2018; PhD dissertation co-chair)

Committee member

Hannah Ahn (2024; PhD committee member)

Neal Hao (2023; PhD committee member)

Di Yang (2023; PhD committee member)

Elizabeth Thiede (2023; outside PhD committee member)

Katie Kim (2023; DrPH outside committee member)

Savanna Ledford (2023; DrPH outside committee member)

Bobbie Johannes (2020; PhD committee member)

James Pitcavage (2018; PhD committee member)

Veronica Fuentes (2016; PhD committee member)

Master's thesis

Andrew Shoostari (2019; committee member)

Undergraduate Honors Thesis

Alyssa Altstaedter (2025; second reader)

Bridget Foresman (2021; advisor)

Ashley Morris (2019; advisor)

William Manbeck (2018; advisor)

University of Michigan, Ann Arbor

Primary Instructor: Health Management and Policy 662: Economics of Health Management and Policy - Executive Masters level (Winter 2015)

Primary Instructor: Health Management and Policy 660: Economics of Health Management and Policy I- Masters level (Fall 2014)

Graduate Student Instructor: Health Management and Policy 663: Economics of Health Management and Policy II- Masters level (Winter 2014)

Graduate Student Instructor: Health Management and Policy 660: Economics of Health Management and Policy I- Masters level (Fall 2013)

Professional Service

External

Ad-hoc Member, American Heart Association, Career Development Award Population Sciences panel 2023 -

Ad-hoc Member, National Institutes of Health, Health Services: Quality and Effectiveness Special Emphasis panel 2022

Ad-hoc Member, National Institutes of Health, Health Services: Quality and Effectiveness 2021

AcademyHealth Annual Meeting Organizing Committee 2021

Member of AcademyHealth Health Economics Interest Group 2017-2021

Internal

Co-Leader, Elevate Pennsylvania Initiative 2025 -

Executive Board Member, Penn State Consortium for Substance Use and Addiction	2021 -
Ad-hoc Member, National Institutes of Health, Health Services: Quality and Effectiveness	2021
Penn State Graduate School Committee on Academic Integrity	2022 -
Penn State College of Health and Human Development Academic Integrity Committee	2016 -
Secondary data lead for Penn State Cancer Institute's Office for Cancer Health Equity	2016-2022
Co-Chair Health Policy Group for the Penn State Cancer Institute's Population Health and Cancer Control Program	2017-2018
Member of Penn State Health Care Benefits Advisory Committee	2016-2022

Journal Editorial Board

<i>American Journal of Accountable Care</i> (Editorial Board Member)	2023 -
<i>BMC Health Services Research</i> (Editorial Board Member)	2022 -
<i>Cancer Treatment and Research Communications</i> (International Advisory Review Board Member)	2022 -

Journal Referee

American Journal of Accountable Care
American Journal of Addictions
American Journal of Managed Care
American Journal of Obstetrics and Gynecology
American Journal of Preventive Medicine
Annals of Internal Medicine
BMC Cancer
BMC Health Services Research
BMJ
BMJ Mental Health
BMJ Open
Cancer
Cancer Epidemiology
Cancer Epidemiology, Biomarkers & Prevention
Cancer Medicine
Cancer Treatment and Research Communications
Current Medical Research & Opinion
Drug and Alcohol Dependence
Drug and Alcohol Dependence Reports
European Journal of Health Economics

Health Affairs
Healthcare
Health Education Research
Health Services Research
Human Vaccines and Immunotherapeutics
Informatics in Medicine Unlocked
International Journal of Environmental Health Research
International Journal for Quality in Health Care
JAMA Network Open
JCO Oncology Practice (formerly Journal of Oncology Practice)
JMIR Public Health and Surveillance
Journal of Adolescent and Young Adult Oncology
Journal of Affective Disorders
Journal of the American Geriatrics Society
Journal of the American Society of Nephrology
Journal of Cancer Policy
Journal of Drug Issues
Journal of General Internal Medicine (JGIM)
Journal of Health Care for the Poor and Underserved
Journal of Hospital Medicine
Journal of Medical Internet Research (JMIR)
Journal of the National Comprehensive Cancer Network
Journal of Rural Health
Journal of Substance Abuse Treatment
Journal of Women's Health
Lancet Gastroenterology and Hematology
Medical Care
Military Medicine
Obesity Reviews
PLoS One
Public Health Reports
Social Science and Medicine
Substance Abuse and Treatment Review
Substance Use: Research and Treatment
Telematics and Informatics
Urology Practice
Value in Health

Textbook Reviewer

Cambridge University Press

Conference Abstract Reviewer

ASHEcon, APHA, AcademyHealth

Media Coverage

Print/Online

Reuters, Vox, Yahoo News, Yahoo Finance, US News and World Report, Reader's Digest, Daily Mail UK, Fox Business, EurekAlert, Futurity, MedicalResearch.com, WalletHub

Radio/Podcast

WPSU, Infotrak, Journal of Oncology Practice podcast

Television/Video

LinkedIn News, WTAJ