# Miguel Marino, PhD


CONTACT INFORMATION

Professor of Biostatistics
Director of Biostatistics Core, Department of Family Medicine
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RESEARCH INTERESTS

Statistical analysis of high-dimensional correlated data, risk prediction, multilevel modeling, multivariate data, electronic health record data, longitudinal analysis, missing data methods, cancer prevention, primary care studies, health disparities, health insurance and disadvantaged populations.

EDUCATION

**Harvard University**, Boston, MA

*PhD, Biostatistics* 2011

- Advisor: Yi Li PhD, Professor of Biostatistics, currently at University of Michigan
- Dissertation: Statistical Issues in Large-scale Community-based Studies

*AM, Biostatistics* 2008

**University of California**, Los Angeles, CA

*MS, Biostatistics* 2006
*BS, Mathematics/Applied Science* 2004

EXPERIENCE

**Oregon Health & Science University**, Portland, OR

*Professor* 2024
*Associate Professor* 2018
*Assistant Professor* 2012

- Department of Family Medicine
- Biostatistics Group, OHSU-PSU School of Public Health

**Harvard School of Public Health**, Boston, MA

*Yerby Postdoctoral Fellow* 2011

- Advisors: Marcello Pagano, PhD & Lisa Berkman, PhD

**National Cancer Institute**, Bethesda, MD

*Summer Intern* 2009

SHORT BIO

I am a Professor of Biostatistics in the Department of Family Medicine at Oregon Health & Science University, and with the Biostatistics group in the OHSU-PSU School of Public Health. I co-direct the Biostatistics Core within the Department of Family Medicine and serve as Co-Director of the PRIMER Center, building my career at the intersection of primary care, public health, and biostatistics. I'm currently the statistical editor for *JAMA Health Forum* where I have the opportunity to shape the dissemination of topics that I am passionate about: health policy, innovative approaches to health care delivery and health care access, quality, safety, and reform. I also serve as Vice Chair of the American Statistical Association's Council of Sections Governing Board, Chair Elect (2027) of the ASA's Health Policy Statistics Section, a Committee Member on the Committee on Applied and Theoretical Statistics (CATS) at the National Academies of Sciences, Engineering, and Medicine, and a member of the National Advisory Council on Minority Health and Health Disparities (NIH). I previously co-chaired the NIH Community Engagement Alliance (CEAL) Needs Assessment & Evaluation Workgroup, served on the National Advisory Committee on Racial, Ethnic, and Other Populations for the U.S. Census Bureau, and was co-publications officer for the Health Policy Statistics Section of the American Statistical Association. My contributions to primary care and community-based research were recognized by the National Academy of Medicine when they selected me in 2020 as one of only 10 Emerging Leaders in Health and Medicine Scholars and in 2022 as an elected member of the National Academy of Medicine, and by the American Statistical Association, which selected me as a Fellow in 2026.

## Awards and Fellowships

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| American Statistical Association Fellow | 2026 |
| Mid-Career Research Award of the American Statistical Association Health Policy Statistics Section | 2025 |
| National Academy of Medicine Member | 2022 |
| National Academy of Medicine Emerging Leader in Health and Medicine Fellow | 2020 |
| North American Primary Care Research Group New Investigator Research Award | 2017 |
| OHSU School of Medicine Excellence in Graduate Education Award | 2017 |
| OHSU-PSU Public Health 2nd Annual Research Retreat Best Poster Award | 2017 |
| OHSU Department of Family Medicine Employee of the Month Award | 2016 |
| ENAR Junior Researchers Workshop Travel Award | 2013 |
| ENAR Fostering Diversity In Biostatistics Workshop Travel Award | 2012 |
| HSPH Robert Wood Johnson Foundation Seed Grant Award | 2012 |
| Alonzo Smythe Yerby Postdoctoral Fellowship | 2011 |
| Harvard School of Public Health Teaching Assistant Award | 2010 |
| International Chinese Statistical Association Student Paper Award | 2010 |
| APHA Best Student Paper Award | 2010 |
| ENAR Distinguished Student Paper Award | 2010 |
| NC State Building Future Faculty Program Award | 2010 |
| NCI Summer Cancer Research Training Award | 2009 |
| Harvard University Distinction in Teaching Award | 2008 |
| UCLA Graduate Opportunity Fellowship | 2004 – 2006 |
| California Wellness Foundation Scholarship | 2004 – 2005 |

## Papers and Publications

Peer-Reviewed Articles:

1. **Marino M**, Hwang J, Lucas J, Bensken W, Heintzman J. (2026) Colorectal Cancer Screening and Diagnostic Follow-up by Nativity Among Latino Patients.*In press: JAMA Network Open*

2. Huguet N, Kaufmann J, Holderness H, Erroba J, Mertes G, Schmidt T, **Marino M**, Heintzman J, Cartujano-Barrera F, Bailey S. (2026) Smoking cessation assistance and lung cancer screening among Latino patients following Medicaid eligibility amendment to adults aged 50 and older regardless of immigration status.*In press: Journal of Primary Care and Community Health*

3. Heintzman J, Kaufmann J, Lucas J, Bensken W, Banegas M, Vasquez-Guzman CE, Ramirez A, **Marino M**. (2026) Neighborhood and Language Influences on Mammography Completion Among Latinas in Community Health Centers. *In press: Journal of Health Care for the Poor and Underserved*

4. Bailey SR, Lucas JA, Erroba J, Holderness H, Georgescu J, **Marino M**, Overholser A, Flocke SA, Tindle HA, Hauschildt J. (2026) Reach of Electronic Tobacco Quitline Referrals Implemented in Primary Care Community-Based Health Clinics using a Multi-Faceted Approach: A Cluster-Randomized Trial. *In press: Nicotine & Tobacco Research*

5. Lucas J, Heintzman J, Byhoff E, Larson A, Mertes G, Datta R, Bailey S, **Marino M**. (2026) Telehealth Use by Ethnicity and Language Across Levels of Neighborhood Internet Access Among Community Health Center Patients with Diabetes. *In press: Annals of Family Medicine*

6. **Marino M**, Jamieson E, Ezekiel-Herrera D, Holderness H, Fankhauser K, Angier H, O'Malley J, DeVoe JE, Huguet N. (2026) Developing and validating predictive models of electronic health record tool adoption in the pre-implementation stage. *In press: BMC Health Services Research*

7. Byhoff E, Dinh D, Lucas JA, **Marino M**, Heintzman J. (2026) Hypertension and depression treatment rates by ethnicity and language in a national cohort of Community Health Centers. *In press: Journal of the American Board of Family Medicine*

8. Vasquez Guzman E, Hodes T, Lucas J, Leslie V, Maxwell C, Jenkins MR, Garside L, Banegas M, Green BB, Bensken WP, **Marino M**, Harper DM, Morris C, Heintzman. (2026) Cervical Cancer Screening and Prevention among Latinas in the U.S. among a Network of Community Health Centers. *In press: Cancer Epidemiology, Biomarkers & Prevention*

9. Overholser A, Lucas JA, Lyon-Scott K, Hauschildt J, Flocke SA, Tindle HA, Erroba J, **Marino M**, Bailey SR. (2026) Association of COVID-19 pandemic with alcohol use and depression diagnoses in patients in community-based health care organizations by smoking status and sex. *In press: AJPM Focus*

10. Olawepo JO, Ezeanolue EE, Cohen DJ, Ejim EC, Green B, Huguet N, Holderness H, Idemili-Aronu N, Lindner S, **Marino M**, Odili AN, Onwuekwe I, Orafa ST, DeVoe JE. (2026) Testing community-based strategies to increase hypertension screening in Nigeria: A protocol for an effectiveness-implementation hybrid type III cluster-randomized trial. *In press: Contemporary Clinical Trials*

11. Chan B, Ezekiel D, Bailey S, Byhoff E, **Marino M**, Lucas J, Giebultowicz S, Espinoza K, Larson Z, Heintzman J. (2026) Race, Ethnicity, and Language Disparities in Alcohol and Drug Screening and Medication Treatment in Community Clinics. *In press: JAMA Network Open*

12. Heintzman J, Dinh D, Kaufmann J, Lucas J, Bensken W, Crookes D, Florez K, Echeverria S, **Marino M**. (2026) The Paradoxical Association of Disaggregated Data Collection with Diabetes Control Among Latino Patients. *In press: Medical Care*

13. Hurtado DA, Barnes C, Dunlop-Korsness K, Cox C, Kiyoshi-Teo H, Costa-Black K, Huang E, Hammer LB, **Marino M**, Davis M. (2026) Toward integrated risk management of patient falls and patient-assisted injuries: four indicators to support a joint approach. *International Journal for Quality in Health Care* , 38(1):mzaf125.

14. Hodes T, Lucas JA, Hatch B, Mertes G, Heintzman J, **Marino M**. (2026) Prenatal Telehealth Visits by Race and Ethnicity in U.S. Community Health Centers, 2019-2023. *In press: Journal of Primary Care and Community Health*

15. Huguet N, Dinh D, Larson A, Suchocki A, Hwang J, DeVoe J, **Marino M**. (2026) Insurance churn and diabetes outcomes among low-income patients. *In press: JAMA Health Forum*

16. Huguet, N, Kaufmann J, Holderness, H, Erroba J, Mertes G, Schmidt T, **Marino M**, Heintzman J. (2025) Changes in colorectal cancer screening among Latinos following Medicaid eligibility amendment to adults aged 50 and older regardless of immigration status. *In press: JAMA Network Open*

17. Holderness, H, Kaufmann J, Erroba J, **Marino M**, Vasquez Guzman CE, Heintzman J, Huguet, N. (2025) Expanding Medicaid eligibility to All adults aged 50 and older in Oregon and California Improves Breast and Cervical Cancer Screening Among Latinas. *In press: American Journal of Preventive Medicine*

18. Larson A, Voss R, Allen T, Dinh D, **Marino M**, Huguet N. (2025). Diabetes complications in rural versus urban community-based health center patients. Journal of Health Care for the Poor and Underserved. *In press: Journal of Health Care for the Poor and Underserved*

19. Trivedi M, Kaufmann J, Shillan H, McGrath B, **Marino**, Spano M, Lucas J, Arenson M, Garg A, Heintzman J. (2025) Characteristics of Children Seeking Care at School-Based Health Centers: A Multi-State Sample. *In press: Journal of the American Board of Family Medicine*

20. Lucas JA, **Marino M**, Vasquez Guzman CE, Bensken WP, Lyon-Scott K, Green BB, Datta R, Heintzman J. (2025) The association between HPV vaccination and neighborhood-level social deprivation among Latinos by nativity. *In press: Journal of the American Board of Family Medicine*

21. Vasquez Guzman CE, Hodes T, Lucas J, **Marino M**, Banegas MP, Chan B, Parras D, Cottrell E, Kasten-Arias C, Heintzman J. (2025) Cervical Cancer Screening Among Older Latina Migrant and Seasonal Farmworkers in a Network of Community Health Centers. *In press: Ethnicity & Disease.*

22. Bailey SR, Hwang J, Lucas JA, Lyon-Scott K, **Marino M**, Datta R, Quiñones AR, Chan B, Heintzman J. (2025) Tobacco use assessment and cessation medication orders among primary care patients by ethnicity, sex and acculturation indicators. Journal of General Internal Medicine.*In press: Journal of General Internal Medicine.*

23. **Marino M**, Dinh D, Lucas J, Mertes G, Huguet N, Green B, Heintzman J. (2025) Telehealth Use in Community Health Clinics by Ethnicity and Language, 2019–2023. *In press: JAMA Health Forum.*

24. **Marino M**, Lucas JA, Vasquez Guzman E, Datta R, Kaufmann J, Ezekiel-Herrera D, Abraído-Lanza AF, Anaya YB, Bello E, Camacho-Rivera M, Celedón JC, Galvez E, Garcia L, Hayes-Bautista DE, Mina J, Phipps M, Suglia SF, Heintzman J. (2025) Chronic Conditions in Latinos: Trends, Innovations and Care for the Future. A Report from the 2024 Latino Primary Care Summit. *In press: Annals of Family Medicine*

25. Hatch BA, Valenzuela S, Dickinson C, Barnes C, Ramalingam N, **Marino M**, Fagnan LJ, Goodman S, Carney P. (2025) The Rural Adolescent Vaccine Enterprise (RAVE): A cluster-randomized trial testing a multicomponent intervention to improve HPV vaccination in rural primary care settings. *In press: BMC Primary Care*

26. Lucas JA, **Marino M**, Vasquez Guzman CE, Lyon-Scott K, Ramirez AG, Mertes G, Larson Z, Datta R, Bensken WP, Heintzman J. (2025) Human papillomavirus vaccination by country of birth and sex among adolescents receiving care in community-based clinics. *In press: Academic Pediatrics*

27. Tran S, Booman A, **Marino M**, O'Malley J, Palma A, Schmidt T, Lyon-Scott K, Snowden J, Springer R, Stratton K, Vesco K, Boone-Heinonen J. (2025) Gestational weight change patterns in pregnant people with obesity class I, II, and III receiving care from community-based health care centers. *In press: Annals of Epidemiology*

28. Booman A, Foster B, **Marino M**, Snowden J, Springer R, Boone-Heinonen J. (2025) Early infancy weight gain patterns are associated with child body mass index in singletons but not twins. *In press: The Journal of Pediatrics*

29. Heintzman J, Kaufmann J, Lucas J, Chan B, Rodriguez CJ, Boston D, **Marino M**. (2025) A cohort study of statin prescribing among the uninitiated for those eligible pre and post the 2013 ACC/AHA guideline change, overall and by race, ethnicity and language. *In press: American Journal of Preventive Medicine*

30. Corral N, Kaufmann J, **Marino M**, Lucas JA, Bailey S, Boston D, Giebultowicz S, Heintzman J. (2025) ASCVD Measures in Non-U.S.-Born Latino Patients by Nativity Compared to U.S.-Born Latinos. *In press: Preventive Medicine*

31. Boston D, Hwang J, Lucas J, **Marino M**, Larson Z, Sun E, Giebultowicz S, Quiñones A, Crookes DM, Rodriguez C, Heintzman J. (2025) Racial and Disaggregated Ethnic Disparities of Blood Pressure Control in Community Health Centers. *In press: Journal of General Internal Medicine*

32. Bensken WP, Larson Z, Kaufmann J, Mertes G, Lyon-Scott K, Lucas JA, **Marino M**, Heintzman JD. (2025) Association Between Nativity and Preventive Mammography Among Latina Community Health Center Patients. *In press: Journal of Racial and Ethnic Health Disparities.*

33. Larson AE, Georgescu J, Allen T, Hwang J, **Marino M**, Latkovic-Tabor M, Huguet N. (2025) Residential mobility, neighborhood environment, and diabetes complications among socioeconomically disadvantaged patients in the United States. *In press: Social Science & Medicine Population Health.*

34. Quinones A, Hwang J, Huguet N, Madlock-Brown C, **Marino M**, Voss R, Garven C, Dorr D. (2025) Diabetes Complications among Community-Based Health Center Patients with Varying Multimorbidity Patterns. *In press: Journal of General Internal Medicine.*

35. Huguet N, Kaufmann J, Holderness H, Erroba J, Mertes G, Steeves-Reece A, Springer R, Heintzman J, **Marino M**. (2025) Medicaid eligibility expansion regardless of immigration status and insurance coverage among Latinos seen in community health centers (2018-2023). *In press: American Journal of Public Health.*

36. Lucas J, **Marino M**, Bailey SR, Kaufmann J, Heintzman J. (2025) Cholesterol screening by nativity status in pediatric patients receiving care in United States community-based clinics. *In press: Preventive Medicine.*

37. Lucas J, **Marino M**, Bailey S, Espinoza K, Datta R, Boston D, Heintzman J. (2025) Trends in Pediatric Obesity Prevalence by Latino Ethnicity and Nativity, 2012-2020. *In press: Annals of Family Medicine.*

38. Heintzman J, Hodes T, Bailey SR, Slatore C, Bensken W, Lucas J, Banegas M, Mertes G, **Marino M**. (2025) Lung cancer screening by nativity among Latino community health center patients who use cigarettes. *In press: Journal of the American Board of Family Medicine.*

39. Booman A, Foster BA, Lyon-Scott K, Marino M, Snowden JM, Boone-Heinonen J. (2025) Early childhood weight trajectory differences in twins, singletons, and gestational-age matched singletons.*In press: Preventive Medicine Reports.*

40. Kulbak D, Dinh D, Larson A, Suchocki A, Springer R, **Marino M**, DeVoe J, Hwang J, Huguet N. (2025) The Impact of Medicaid Expansion on Acute Diabetes Complication by care delivery settings. *In press: Journal of Primary Care and Community Health.*

41. Booman A, Vesco KK, Springer R, Dinh D, Liu S, Lyon-Scott K, **Marino M**, O'Malley J, Palma A, Schmidt T, Snowden JM, Stratton K, Tran S, Boone-Heinonen J. (2025) Methods for modeling gestational weight gain: empirical application using electronic health record data from a safety net population. *In press: BMC Pregnancy & Childbirth.*

42. Goglichidze S, Wang W, Smith LH, Ezekiel-Herrera D, Heintzman J, **Marino M**, Lucas J, Crookes DM. (2024) Sanctuary Policies and Type 2 Diabetes Medication Prescription Trends Among Community Health Center Patients. *In press: Health Affairs Scholar.*

43. Wright B, O'Connor A, Fraher E, **Marino M**, Frogner B. (2024) Family Medicine Research: Seizing the Moment to Advance the Field. *In press: BMC Health Services Research.*

44. Hessler D, **Marino M**, Kaufmann J, Gold R, King A, Donovan J, Wing H, Ackerman S, Pisciotta M, Goldberg B, Gottlieb LM. (2024) The combined and comparative impacts of financial incentives versus practice facilitation for social risk screening in community health centers. *In press: Health Services Research.*

45. Banegas MP, O'Malley J, Kaufmann J, **Marino M**, Gottlieb LM, Huguet N, Anyane-Yeboa A, Gold R. (2024) Social Risk Factors and Cancer Prevention Care among Patients in Community Health Care Settings. *In press: JNCI Cancer Spectrum.*

46. Cohen DJ, Sweeney SM, Springer R, Balasubramanian BA, Michaels L, **Marino M**, Hessler D, Baron A, Nesse J. (2024) Intervention to Improve Psychosocial Care for People with Type 2 Diabetes. *In press: Journal of the American Board of Family Medicine.*

47. Andrea SB, Booman A, O'Malley JP, Tilloston CJ, **Marino M**, Chung-Bridges K, DeVoe J, Boone-Heinonen J. (2024) Does ethnic concentration buffer effects of neighborhood deprivation on early childhood growth? *In press: Health & Place.*

48. Tran S, Andrea S, Petteway R, Izumi B, Kupperman A, **Marino M**, Boone-Heinonen J. (2024) Maternal, perinatal, and infant health of disaggregated Asian American subgroups: a scoping review. *In press: Current Epidemiology Reports.*

49. Heintzman J, **Marino M**. (2024) Primary Care, Health Services, and the Latino Mortality Paradox. *In press: Journal of Immigrant and Minority Health.*

50. Hodes T, **Marino M**, Kaufmann J, Lucas J, Giebultowicz S, Heintzman J. (2024) Sex, Ethnicity and Language Differences in Statin Prescribing in Community Health Center Patients. *In press: American Journal of Preventive Cardiology.*

51. Lester L, Dinh D, Larson A, Liu S, Suchocki A, **Marino M**, DeVoe J, Huguet N. (2024) Insurance Instability among Community-based Health Center Patients with Diabetes Post-Affordable Care Act Medicaid Expansion. *In press: Journal of the American Board of Family Medicine.*

52. Huguet N, Holderness H, Vasquez Guzman CE, **Marino M**, Heintzman J. (2024) Achieving Cancer Equity by Improving Health Insurance Access for All Latinos. *In press: Journal of Primary Care and Community Health.*

53. Holderness H, Baron A, Hodes T, **Marino M**, O'Malley J, Danna M, Cohen D, Huguet N. (2024) Community Health Centers Rapid Adoption of Telemedicine during the COVID-19 pandemic: trends, barriers and successful strategies. *In press: Journal of Primary Care and Community Health.*

54. Valenzuela S, Peak K, Huguet N, **Marino M**, Schmidt T, Voss R, Quinones A, Nagel C. (2024) Area-level Deprivation and Multimorbidity among Middle-aged and Older Community-based Health Center Patients in the United States.*In press: Preventing Chronic Disease.*

55. Ezekiel-Herrera D, **Marino M**, Lucas J, Datta R, Aceves B, Boston D, Heintzman J. (2024) Association between ethnicity, language and metformin prescriptions in U.S. community health center patients with diabetes. *In press: Preventive Medicine.*

56. Datta R, Lucas JA, **Marino M**, Crookes D, Aceves B, Ezekiel-Herrera D, Bazemore A, Heintzman J. (2024) Diabetes Monitoring in Foreign-born and US-born Latino Adults in US Community Health Centers. *In press: Journal of the American Board of Family Medicine.*

57. Kaufmann J, **Marino M**, Lucas J, Rodriguez CJ, Boston D, Giebultowicz S, Heintzman J. (2024) Atherosclerotic Cardiovascular Disease Primary and Secondary Prevention in Latino Subgroups. *In press: Journal of General Internal Medicine.*

58. Heintzman J, **Marino M**. (2024) The Role of State Health Agencies in Disaggregating Latino Patients' Data. *Milbank Memorial Fund.*
`https://www.milbank.org/2024/04/the-role-of-state-health-agencies-in-disaggregating-latino-patients-data/`

59. **Marino M**, Abraído-Lanza AF, Aceves B, Bello E, Echeverría SE, Flórez K, Galvez E, Jaén CR, López-Cevallos D, Lucas JA, Mojica CM, Rodriguez CJ, Rodriguez M, Vasquez-Guzman CE, Heintzman J. (2024) Building a Primary Care Research Agenda for Latino Populations in the Setting of the Latino Paradox: A Report from the 2023 Latino Primary Care Summit. *In press: Journal of the American Board of Family Medicine.*

60. Lucas J, **Marino M**, Giebultowicz S, Dinh D, Datta R, Boston D, Heintzman J. (2024) Association of neighborhood walkability and HbA1c levels among Latino and non-Hispanic White patients with diabetes. *In press: Family Practice.*

61. Olson R, Hess JA, Turk D, Donovan C, Stoffregen S, De Anda I, **Marino M**, Springer R, Nguyen E. (2024) Translating an intervention to address chronic pain in home care workers: The COMPASS-NP Pilot. *In press: Journal of Occupational and Environmental Medicine.*

62. Huguet N, Chen J, Parikh RB, **Marino M**, Flocke S, Likumahuwa-Ackman S, Bekelman J, DeVoe J. (2024) Applying Machine Learning Techniques to Implementation Science: A Roadmap and Early Lessons Learned Along the Way. *In press: Online Journal of Public Health.*

63. Boston D, Hwang J, Lucas J, **Marino M**, Larson Z, Sun E, Giebultowicz S, Crookes D, Rodriguez C, Heintzman J.(2024) Latino-White Disparities in Identification and Control of Elevated Blood Pressure among Adults with Hypertension.*In press: Journal of the American Heart Association.*

64. Carney PA, Engstrom MB, Barnes C, Ramalingam N, Dickinson C, Cox C, Ferrara LK, Darden PM, Fagnan LJ, **Marino M**, Hatch BA. (2024) Primary Care and Community-based Partnerships to Enhance HPV Vaccine Delivery. *In press: Journal of Primary Care & Community Health*.

65. Kasten-Arias C, Hodes T, **Marino M**, Kaufmann J, Lucas J, Vasquez Guzman CE, Giebultowicz S, Chan B, Heintzman J. (2024) Healthcare Utilization for Asthma Exacerbation among Children of Migrant and Seasonal Farmworkers. *In press: Preventive Medicine Reports*.

66. Ku J, Henkle E, Carlson K, **Marino M**, Brode S, Marras T, Winthrop K. (2023) Tolerability outcomes of ATS/IDSA guideline-recommended multi-drug antibiotic treatment for Mycobacterium avium complex pulmonary disease in U.S. Medicare beneficiaries with bronchiectasis. *In press: CHEST*.

67. Walker RJ, Eisenhauer E, Thompson EL, Butler R, Metheny N, Barroso CS, **Marino M**. (2023) COVID-19 Information, Trust, and Risk Perception Across Diverse Communities in the United States: Initial Findings from a Multistate CEAL Alliance. *In press: American Journal of Public Health*.

68. Krakower D, Lieberman M, **Marino M**, Hwang J, Mayer K, Marcus J. (2023) Implementing an automated prediction model to improve prescribing of HIV preexposure prophylaxis: Overcoming health care providers' mistrust in machine learning. *NEJM Catalyst Innovations in Care Delivery*, 4(11):CAT-23.

69. Berkman LF, Kelly EL, Hammer LB, Mierzwa F, Bodner T, MacNamara T, Koga HK, Lee S, **Marino M**, Klein LC, McDade TW, Hanson G, Moen P, Buxton OM. (2023) Employee Cardiometabolic risk following a Cluster-Randomized Workplace Intervention from the Work, Family and Health Network. *In press: American Journal of Public Health*.

70. Byhoff E, Dinh D, Lucas J, **Marino M**, Heintzman J. (2023) Mental Health Care Use by Ethnicity and Preferred Language in a National Cohort of Community Health Center Patients. *In press: Psychiatric Services*.

71. Heintzman J, Hodes T, Parras D, Lucas J, Vasquez-Guzman CE, Chan B, Banegas M, **Marino M**. (2023) The Role of Language in Mammography Orders among Low-Income Latinas over a 10-year period. *Preventive Medicine*, 175:107657.

72. Bailey SR, O'Malley J, Hartung DM, Huguet N, **Marino M**, Muench J. (2023) Analgesic methadone prescribing in community health centers among patients with chronic pain. *In press: Journal of Opioid Management*.

73. Lucas JA, **Marino M**, Trivedi M, Datta R, Ezekiel-Herrera D, Giebultowicz S, Heintzman J. (2023) Association of early childhood wheeze and asthma diagnosis documentation by race, ethnicity, and language in children receiving care at US community health centers. *In press: Journal of the American Board of Family Medicine*.

74. Lucas J, **Marino M**, Bailey SR, Hsu A, Datta R, Cottrell E, Kim YJ, Suglia S, Bazemore A, Heintzman J. (2023) Comparison of associations of household and neighborhood-level poverty markers with pediatric asthma care utilization by race/ethnicity in an open cohort of community health center patients. *Family Medicine and Community Health Journal*, 11(3):e001760.

75. Roberts M, **Marino M**, Wells R, Atem F, Balasubramanian B. (2023) Differences in Use of Clinical Decision Support Tools and Implementation of Aspirin, Blood Pressure Control, Cholesterol Management, and Smoking Cessation Quality Metrics in Small Practices by Race and Sex. *JAMA Network Open*, 6(8):e2326905.

76. Heintzman J, Springer R, **Marino M**, Kaufmann J, Giebultowicz S, Warren N, Liu S, and Angier H. (2023) Latino Adolescent-Mother Language Concordance, Neighborhood Deprivation, and Vaccinations in Community Health Centers. *Maternal and Child Health Journal*, 27(11):2026-2037.

77. Huguet N, Hodes T, Liu S, **Marino M**, Schmidt T, Voss R, Peak K, Quiñones A. (2023) Impact of health insurance patterns on chronic health conditions among older patients. *Journal of the American Board of Family Medicine*, 36(5):839-850.

78. Lucas J, Hsu A, Heintzman J, Bailey S, Suglia S, Bazemore A, Giebultowicz S, **Marino M**. (2023) The Association of Mobility, Social Deprivation and Pediatric Primary Care Outcomes in Community Health Centers. *The Journal of Pediatrics*, 259:113465.

79. Huguet N, Danna M, Baron A, Hall J, Hodes T, O'Malley J, Holderness H, **Marino M**, DeVoe JE, Cohen DJ. (2023) Delivery of cervical and colorectal cancer screenings during the pandemic in community health centers: practice changes and recovery strategies. *Medical Care*, 61(8):554-561.

80. Olson R, Johnson PW, Shea SA, **Marino M**, Springer R, Rice S, Rimby J, Donovan C. (2023) The Tech4Rest randomized controlled trial: Applying the hierarchy of controls to advance the sleep, health, and well-being of team truck drivers. *In press: Journal of Occupational and Environmental Medicine*.

81. Huguet N, Ezekiel-Herrera D, Gunn R, Pierce A, O'Malley J, Jones M, **Marino M**, Gold R. (2023) Uptake of a cervical cancer clinical decision support tool: A mixed methods study. *Applied Clinical Informatics*, 14(3):594-599.

82. Huguet N, Dinh D, Hwang J, **Marino M**, Larson AE, Suchocki A, DeVoe JE. (2023) The impact of the Affordable Care Act Medicaid Expansion on Acute Diabetes Complications among Community Health Center Patients. *Journal of Primary Care and Community Health*, 14:21501319231171437.

83. Heintzman J, Dinh D, Lucas J, Byhoff E, Crookes D, April-Sanders A, Kaufmann J, Boston D, Hsu A, Gielbultowicz S, **Marino M**. (2023) Answering calls for rigorous health equity research: a cross-sectional study leveraging electronic health records for data disaggregation in Latinos. *Family Medicine and Community Health*, 11(2):e001972.

84. Quiñones A, Hwang J, Heintzman J, Huguet N, Lucas J, Schmidt T, **Marino M**. (2023) Trajectories of Chronic Disease and Multimorbidity among Middle-Aged and Older Patients at Community Health Centers. *JAMA Network Open*, 6(4):e237497.

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## Books and Chapters

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National Academies of Sciences, Engineering, and Medicine. 2021. Building Data Capacity for Patient-Centered Outcomes Research: Interim Report 1 - Looking Ahead at Data Needs. Washington, DC: The National Academies Press. `https://doi.org/10.17226/26297`.

## Grant Funding (Ongoing)

**National Institute of Diabetes & Digestive & Kidney Disease**
*Principal Investigator* 6/1/2026 – 2/28/2031
ASPIRE: Association of the Sugary Drink Excise Tax Policy and diabetes and associated cardiometabolic risk biomarkers in primary care patients
This work addresses a critical evidence gap regarding the health impacts of SSB taxation among low-income populations and will inform local, state, and national policy efforts, including proposals to restrict SSB purchases through SNAP.
PI: Miguel Marino; R01DK146877

**National Cancer Institute**
*Site Principal Investigator* 9/23/2025 – 8/31/2030
Healthcare utilization and outcomes across the cancer care continuum: Understanding the impact of social risk factors and screening among Latino patients
This project will study the relationship between social risks, such as transportation difficulties and housing challenges, and social risk screening with cancer outcomes among Latino patients who receive care at community health clinics across the United States.
PIs: John Heintzman and Mateo Banegas; R01CA298021

**National Institute of Diabetes & Digestive & Kidney Disease**
*Principal Investigator* 9/5/2023 – 5/31/2028
E-TREAT: Evaluation of Telemedicine for diabetes care in Latinos
This project will use a highly innovative electronic health record database that contains telemedicine and in-person visit data to understand the quality of diabetes and hypertension care delivered via telemedicine among Latinos.
PI: Miguel Marino; R01DK134514

**Silver Family Innovation Fund**
*Principal Investigator* 01/01/2023–12/31/2026
The population health research for the elimination of health care inequity in all Latinos Center
The vision of the PRIMER Center is to end inequity in the healthcare prevention, treatment and management of common health conditions among Latinos in Oregon and across the United States (US). We will do this by performing, supporting and fostering multilevel health services research at the intersection of primary healthcare and social determinants of health in Latino populations, which experience profound disparities in numerous health care outcomes.
PI: Miguel Marino

**National Heart Lung and Blood Institute**
*Site Principal Investigator* 03/01/2025–12/31/2028
Quality and effective care for Latino adults with asthma in community health centers
This project will use a highly innovative electronic health record database among a national sample of clinics, linked to community/neighborhood characteristics, in order provide policy makers and healthcare providers better information about what asthma care their patients or community members are most at risk for underutilizing.
PI: John Heintzman; R01HL173284

**National Institute on Drug Abuse, HEAL Initiative**
*Co-Investigator* 07/01/2025–3/31/2030
OUTREACH: Opioid Use TReatment via telehEAlth in CHCs
The grant supports research to examine the impact of telehealth expansion on access to and utilization of opioid use disorder (OUD) treatment within community health centers (CHCs). The research aims to inform future telehealth policies and clinical guidelines to ensure access to OUD treatment, particularly for underserved populations.
PI: Steffani Bailey; R01DA060857

**National Institute of Nursing Research**
*Site Principal Investigator* 09/24/2024–5/31/2029
RESOLVE: oREgon medicaid policy, SOciaL serVices, and hEalth
Beginning in 2024, Oregon state's Medicaid agency will launch a suite of innovative policies intended to facilitate linkages between clinical systems and community and government services. The expectation is that these programs will reduce health disparities and improve health for the state's Medicaid members. In the RESOLVE study, we will examine the impacts of these policies on referrals and receipt of social services as well as on chronic disease outcomes and disparities for the state's Medicaid population.
PI: Danielle Hessler and Caroline Fichtenberg; R01NR021390

**National Cancer Institute**
*Co-Investigator* 09/1/2022–8/31/2026
FRONTIERS: Foreign-Born Latinos Cancer Screening
This project will use electronic health record in order provide policy makers and healthcare providers better information about what cancer prevention services their patients or community members are most at risk for underutilizing.
PI: John Heintzman; R01CA258464

**American Cancer Society**
*Co-Investigator* 1/01/2024 – 12/31/2026
ALL-IN: Evaluate Health Insurance Expansion on Cancer Preventive Care Among Latino Populations
The study aims to understand the impact of California and Oregon Medicaid eligibility expansion to adults regardless of immigration status on access to care and receipt of cancer preventive care. I will focus on the Latino population receiving care in community-based clinics. This study will inform future state decisions to expand Medicaid eligibility and further improvements in the US healthcare system to mitigate disparities in cancer preventive care.
PI: Nathalie Huguet

**National Institute on Minority Health and Health Disparities**
*Co-Investigator* 12/25/2023 – 05/31/2028
ASSIST: Assessment of Medicaid policy on Smoking Cessation Assistance and Surgical Outcomes
This study will assess the impact of a policy implemented in Oregon in 2017 that requires Medicaid-insured patients to quit smoking prior to elective surgery on smoking (smoking cessation assistance and cessation) and surgery-related (receipt of surgery, surgical complications) among patients seen in community health centers.
PI: Steffani Bailey and Nathalie Huguet R01MD018368

**National Institute of Mental Health**
*Co-Investigator* 09/06/2023–07/31/2028
Predictive Analytics and Clinical Decision Support to Improve PrEP Prescribing in CHCs
This project will evaluate whether integrating automated tools into electronic health records to help providers efficiently and equitably identify potential candidates for PrEP, discuss PrEP, and prescribe PrEP can improve PrEP initiation and persistence in safety-net community health centers.
PI: Julia Marcus and Douglas Krakower; R01MH133515

**Agency for Healthcare Research and Quality**
*Co-Investigator* 12/01/2023–11/01/2028
Safety Integration Stakeholders program to integrate worker and patient safety in Oregon rural hospitals
The objective of this proposal is to conduct a cluster randomized controlled trial in rural hospitals to evaluate the effectiveness and process of a program that integrates patient and worker safety.
PI: David Hurtado; R01HS029111

**National Cancer Institute**
*Co-Investigator* 07/01/2021 – 06/30/2026
CONNECT: COmpreheNsive traiNing and Engagement in Cessation Treatment
This pragmatic study uses a cluster-randomized controlled trial to examine smoking cessation assistance reach and effectiveness, as well as cost-effectiveness, of implementation of a Quitline eReferral system with versus without enhanced academic detailing.
PI: Steffani Bailey; R01CA255016

**Center for Disease Control**
*Co-Investigator* 09/30/2020 – 09/29/2025
ACE-D: Assess insurance Coverage Expansion on Diabetes complications
his project will study the ACA natural experiment and its long-term impact on patients with diabetes.
PI: Nathalie Huguet; U18DP006536

## Grant Funding (Completed)

**National Institute of Aging**
*Co-Investigator* 08/22/2020 – 03/31/2025
FOCUS: Foreign Born Latinos Cardiovascular Screening
This project will provide information about what cardiovascular prevention services their patients or community members are most at risk for underutilizing.
PI: John Heintzman; R01MD014120

**National Institute of Diabetes & Digestive & Kidney Disease**
*Co-Investigator* 01/01/2020 – 3/31/2025
PROMISE: PReventing Obesity through healthy Maternal gestational weight gain In the Safety nEt
This project will inform guidelines needed to promote healthy gestational weight gain (GWG) in women with severe obesity in order to reduce the high risk of adverse birth and child outcomes in this population subgroup.
PI: Janne Boone-Heinonen; R01DK118484

**National Cancer Institute**
*Co-Investigator* 09/19/2019 – 08/31/2024
Building Research in Implementation and Dissemination to close Gaps and achieve Equity in Cancer Control (BRIDGE-C2) Center
The BRIDGE-C2 Center will take on the grand challenge of advancing implementation science to improve cancer screening and prevention in underserved populations, with a goal to improve cervical cancer screening and follow-up care and tobacco cessation.
PI: Jennifer DeVoe; Nathalie Huguet; Heather Angier; P50CA244289

**National Institute of Aging**
*Co-Investigator* 09/01/2019 – 04/30/2024
Aging in Community Health Clinics: Multimorbidity Patterns among Middle-Aged and Older Adults
This project examines the number and type of chronic conditions vulnerable adults are living with and identifies adults most at risk for worsened symptoms, escalation of chronic disease-related problems, and additional diagnoses that are accumulated over time.
PI: Ana Quinones; R01AG061386

**Agency for Healthcare Research and Quality**
*Site PI* 07/01/2019 – 04/30/2024
Comparing Implementation Strategies for Social Needs Programs: A Natural Study of Two Pragmatic Trials
A growing body of literature shows that social needs like food insecurity and housing instability shape health. Increasingly, health care clinics are exploring ways to address these needs as a part of routine health care delivery. This study will examine two different strategies aiming to increase the adoption of social programs in community health centers, which disproportionately serve patients likely to benefit from these interventions.
PI: Laura Gottlieb; R18HS026435

**National Institute on Aging**
*Co-Investigator* 9/01/2018 – 5/30/2024
Prevention and Social Determinants: Disparities and Utilization in Latino Elders (PAST-DUE)
This project will use a linked database that combines electronic health care data and community-level information to better understand which social factors most heavily affect the use of preventive care among Latino seniors.
PI: John Heintzman; R01AG056337

**American Cancer Society**
*Co-Investigator* 07/01/2018 – 06/30/2024
Increasing HPV Immunization Rates: The Rural Adolescent Vaccine Enterprise (RAVE)
This study will test novel interventions in rural primary care practices and rural community-based organizations designed to increase HPV vaccination completion in males and females aged 11-17 years.
PI: LJ Fagnan, Patty Carney; RSG-18-022-01-CPPB

**National Institute of Diabetes and Digestive and Kidney Diseases**
*Co-Investigator* 06/01/2017 – 05/31/2024
Approaches to CHC Implementation of SDH Data Collection (ASCEND-CHC)
This project will perform a stepped wedge randomized trial to evaluate strategies to help CHC's collect social determinants of health data and address the needs of DM patients.
PI: Rachel Gold; R18DK114701

**National Institute of Mental Health**
*Site Principal Investigator* 12/12/2019 – 11/30/2022
EHR-Based Prediction Models to Improve PrEP Use in Community Health Centers (PREDICT)
This project will adapt our prior HIV prediction modeling work, do formative work with providers to understand the best ways to integrate the model into the EHR, and then pilot an EHR-based decision support tool.
PI: Julia Marcus; R34MH122291

**Agency for Healthcare Research and Quality**
*Co-Investigator* 07/01/2017 – 06/30/2022
Reproductive care in the safety net: Women's health after Affordable Care Act implementation
The proposed study aims to explore if and how the Affordable Care Act (ACA) and Medicaid expansion have impacted the provision and utilization of reproductive health care services in community health center settings.
PI: Erika Cottrell; R01HS025155

**National Institute for Occupational Safety and Health**
*Co-Investigator* 9/1/16-8/31/2021
The Oregon Healthy Workforce Center
A NIOSH Total Worker Health Center of Excellence, the center develops and evaluates workplace interventions to improve safety, health, wellness and well-being. Total Worker Health addresses the needs of the whole person, stresses prevention rather than recovery, and recognizes the great potential of workplace programs to produce organizational and individual behavior change that improves health and reduces accidents. The health of the US population can be improved through prevention, and that is our focus.
PI: Ryan Olson; U19 OH010154 01

**National Institute on Minority Health and Health Disparities**
*Co-Investigator* 04/01/2018 – 03/31/2023
Evaluating Control of Hypertension – Effect of Social Determinants (ECHOES)
Using ADVANCE CDRN data, this project will study the impact of increased access to health insurance on hypertension incidence, screening, treatment and management.
PI: Jennifer DeVoe; R01HL136575

**National Institute on Minority Health and Health Disparities**
*Co-Investigator* 9/01/2017 – 11/30/2022
Bettering Asthma Care in Kids – Geographic Social Determinants Data to Understand Disparities
The proposed project will fill gaps in knowledge regarding the nature of asthma care disparities in Latino children and the relative contribution of social determinants of health to these disparities, by utilizing an objective, longitudinal, and robust linkage of electronic health record data and community-level SDH data.
PI: John Heintzman; R01MD011404

**Agency for Healthcare Research and Quality**
*Co-Investigator* 07/01/2019 – 04/30/2023
Helping gEnerations Identify Risks (HEIRS) to Health
This project will use EHR to understand factors making it easier or more difficult for children to receive recommended healthcare, leading to potential interventions to improve children's healthcare.
PI: Jennifer DeVoe; R01HS025962

**National Institute on Drug Abuse**
*Co-Investigator* 08/01/2018 –04/30/2023
EPIdemiology of opioid prescribing in community health CENTERs (EPICENTER)
This project will investigate trends in opioid prescribing in a large, national system of $> 500$ safety net clinics.
PI: John Muench; R01DA046468

**Agency for Healthcare Research and Quality**
*Co-Investigator* 5/01/2015 – 4/30/2021
Evaluating System Change to Advance Learning and Take Evidence to Scale (ESCALATES)
This study will evaluate the R18s funded by AHRQ through RFA-HS-14-008. We will engage R18 grantees in the overall evaluation by harmonizing measures and working together on data collection and analysis, identify the practice, organization and contextual factors among the combined 2000 practices that are associated with higher and lower levels of deliver of ABCS at baseline, identify which intervention strategies implemented by R18 grantees are most effective at improving delivery of ABCS services and practice quality improvement capacity over time and in relation to practice, organization and contextual factors, and identify why some strategies are more effective.
PI: Deborah Cohen; 1R01HS023940-01

**National Cancer Institute**
*Co-Investigator* 04/01/2016 – 03/31/2021
ACCESS: Assessing Community Cancer Care After Insurance Expansions
ACCESS is a natural experiment to study the impact of increased access to health insurance on cancer screening, preventive services, and cancer survivor care. This study will use EHR data from the ADVANCE clinical data research network of PCORnet to analyze data from CHCs in expansion and non-expansion states. PI: Jennifer DeVoe; R01CA204267-01

**CDC/NIDDK**
*Co-Investigator* 9/30/2015 – 9/29/2020
PREVENT-D: Post ACA Reform: Evaluate Community Health Center Care for Diabetes
This study will measure the impact of Affordable Care Act Medicaid expansions on diabetes mellitus prevention, treatment, expenditures and health outcomes.
PI: Nathalie Huguet; U18DP006116-01

**National Cancer Institute**
*Co-Investigator* 7/1/2014 – 6/30/2019
Community-based HIT Tools for Cancer Screening and Health Insurance Promotion (CATCHUP)
The project is a cluster randomized trial in 12 Community Health Centers to test the effectiveness of implementing Community-based HIT Tools for Cancer Screening and Health Insurance Promotion ('CATCHUP' tools) in improving rates of (1) cancer screening and prevention services; and (2) health insurance coverage.
PI: Jennifer DeVoe; 1R01CA181452-01

**Agency for Healthcare Research and Quality**
*Co-Investigator* 7/10/2015 – 5/31/2019
Evaluating Community Health Centers Adoption of a New Global Capitation Payment (eCHANGE)
This study will evaluate the outcomes of the eight Oregon Community Health Centers who participated in an Alternative Payment Methodology demonstration project in which all their Medicaid revenue was paid through a prospective, capitated per-member per-month rate.
PI: Jennifer DeVoe; R01HS022651-01A1

**Agency for Healthcare Research and Quality**
*Co-Investigator* 9/30/2015 – 9/29/2018
PACE: Post Affordable Care Act Evaluation of Community Health Centers
This study will measure the impact of Affordable Care Act-sponsored Medicaid expansions on access to and utilization of community health center services.
PI: Jennifer DeVoe; R01HS024270-01

**National Institute on Drug Abuse**
*Co-Investigator* 2/15/2012 – 1/31/2018
Use of Prescription Monitoring Programs to Improve Patient Care and Outcomes
The overarching goal of this research is to help providers improve the care of complex patients requesting controlled prescription medication. The project involves an evaluation of a newly implemented statewide prescription monitoring program.
PI: Rick Deyo; 5R01DA031208-02

**Agency for Healthcare Research and Quality**
*Biostatistician* 7/1/2013 – 6/30/2017
The Primary Care Medical Home and Preventive Service Use in Latino Immigrants
The purpose of this project is to develop Electronic Health Record (EHR) approaches to identify immigrant cohorts in order to assess preventive service utilization in this cohort in comparison to other demographic groups, as well as to assess the impact of the features of primary care delivery on this utilization.
PI: John Heintzman; K08 HS021 522 01A1

**National Institute for Occupational Safety and Health**
*Co-Investigator* 9/1/14-8/31/2016
Creating Health and Safety Communities of Practice for Home Care Workers (COMPASS)
The community of practice and safety support (COMPASS) study is randomized controlled trial looking at measures of Total Worker Health (worker safety, health, and well being) among home care workers in the Portland and Eugene metro areas. COMPASS uses a peer-led curriculum to organize home care workers into neighborhood-based teams that provide education and social support for improving lifestyle (e.g., diet, exercise) and safety behaviors.
PI: Ryan Olson; U19 OH010154 01

**National Heart, Lung, and Blood Institute**
*Site PI* 7/1/14-7/31/2016
Evaluating cardiometabolic and sleep health benefits of a workplace intervention
This parent project evaluates an innovative Workplace intervention designed to reduce work-family conflict on the health, particularly cardiometabolic and sleep health, of direct patient-care employees in the long-term health care industry. This intervention is designed to decrease work-family conflict for employees, but has the potential of increasing the organizational support for the work-family needs of mid-level managers-those supervisors in the trenches who deal with the day to day work life and supervision of employees-leading to improved health of these managers.
PI: Orfeu Buxton; 7R01HL107240

**Patient Centered Outcomes Research Institute**
*Co-Investigator* 3/1/2013 – 2/28/2016
Innovative Methods for Patients and Clinics to Create Tools for Kids Care: IMPACCT Kids' Care
The goal of the study is to develop a suite of electronic tools to bolster enrollment and retention of eligible children in Children's Health Insurance Program (CHIP) and Medicaid, then beta-test the tools by engaging families and clinics staff in a mixed methods evaluation.
PI: Jennifer DeVoe; PFA (Health Systems)

**Patient Centered Outcomes Research Institute**
*Co-Investigator* 3/1/2014 – 8/31/2015
Accelerating Data Value Across a National Community Health Center Network (ADVANCE)
This study will accelerate efforts to build a 'community laboratory' of FQHCs in which to conduct Patient Centered Outcomes Research (PCOR). Through the ADVANCE CDRN, we will add inpatient data to our existing outpatient data repository by partnering with health plans and hospitals caring for the same patients, and will add community-level and patient-reported data for these FQHC patient populations.
PI: Jennifer DeVoe; CDRN-1306-04716

**National Heart, Lung, and Blood Institute**
*Co-Investigator* 8/23/2011 – 3/31/2016
Assessing a Medicaid Randomized Insurance Experiment with Community clinics (CARDIAC)
This innovative study will measure the impact of a statewide randomized Medicaid insurance natural experiment on receipt of cardiovascular disease (CVD) primary and secondary prevention services among established safety net clinic patients.
PI: Jennifer DeVoe; 5R01HL107647-03

**Robert Wood Johnson Foundation**
*Seed Grant Awardee* 9/1/2011-8/31/2013
Quantifying Change in Cardiometabolic Disease Risk
The goal of the study is to integrate novel biostatistical and epidemiological methods with cardiometabolic expertise to develop and evaluate a cumulative cardiometabolic risk score that is optimized on modifiable risk factors so as to detect intervention or experimental effects to be used in large-scale community-based studies.
PI: Lisa Berkman, Ichiro Kawachi; Grant 69248

**Agency for Healthcare Research & Quality**
*Co-Investigator* 7/1/2010 – 4/30/2014
How Do Changes in Families' Health Insurance Affect Children's Healthcare? (FAMILY)
The goal is to examine how changing patterns of family health insurance affect childrenÕs health insurance stability and utilization of healthcare services.
PI: Jennifer DeVoe; R01HS18569

**Anonymous**
*Co-Investigator* 9/1/2008 – 4/1/2015
Effectiveness of Home Based Distribution of Hormonal Contraception for Women at Risk for Unintended Pregnancy
The overarching goal of the study is to reduce the incidence of unintended pregnancy in at-risk women by distributing hormonal contraceptives to them in their homes.
PI: Alan Melnick; Grant ID - 832

## Professional Memberships

American Public Health Association
Eastern North American Region, International Biometric Society
Western North American Region, International Biometric Society
Institute of Mathematical Statistics
American Statistical Association
North American Primary Care Research Group

## Professional Activities & Service

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|---|---|
| Member, National Advisory Council on Minority Health and Health Disparities (NIH) | 2026 – |
| Committee Member, COPSS Elizabeth L Scott Award | 2025 – |
| Vice Chair, American Statistical Association Council of Sections Governing Board | 2024 – |
| Committee Member, Committee on Applied and Theoretical Statistics (CATS) at the National Academies of Sciences, Engineering, and Medicine | 2023 – |
| WNAR IBS Council Member | 2023 – |
| Committee Member, Census Bureau National Advisory Committee on Racial, Ethnic and Other Populations | 2022 –2025 |
| Co-Chair, NIH Community Engagement Alliance (CEAL) Needs Assessment & Evaluation Workgroup | 2022 –2025 |
| Co-Chair, ENAR Fostering Diversity in Biostatistics Workshop | 2021 –2023 |
| Committee Member, National Academies of Medicine Building Data Capacity for Patient-Centered Outcomes Research: An Agenda for 2021 to 2030 | 2021 –2021 |
| Planning Committee, ENAR Fostering Diversity in Biostatistics Workshop | 2019 –2021 |
| Publications Officer, Health Policy Statistics Section of the ASA | 2019 – |
| Evaluation Subcommittee Member, Advisory Committee on Continuation Education (ASA) | 2018 |
| Oversight Advisory Committee Member, American Heart Association SFRN on AFib | 2018 |
| PCORI & American Heart Association Study Section | 2018 |
| WNAR, Representative-at-large | 2017 –2020 |
| PCORI Study Section, Pragmatic Clinical Studies to Evaluate Patient-Centered Outcomes | 2017 – |
| President, American Statistical Association Oregon Chapter | 2017 – 2018 |
| NIH Study Section, Fellowships: Risk, Prevention, and Health Behavior | 2016 – |
| Committee Member, CA CTSA Data Analysis curriculum for Community Researchers | 2016 – |
| Vice President, American Statistical Association Oregon Chapter | 2016 – 2017 |
| Secretary/Treasurer, American Statistical Association Oregon Chapter | 2015 –2016 |
| Postdoctoral Fellowship Committee, OHSU Family Medicine | 2015 – |
| MS/MPH Comprehensive Exam Chair, Division of Biostatistics, OHSU SPH | 2015 – |
| United Way of the Columbia-Willamette Data Advisory Committee Member | 2014 – 2014 |

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| Research in Progress Committee Chair, Division of Biostatistics, OHSU SPH | 2013 –15 |
| Length of Training Advisory Board, OHSU Family Medicine | 2013 – |
| Invited Session Co-organizer and Chair, ENAR meetings | 2010 |
| Harvard Biostatistics Cancer Seminar Series Co-chair | 2008 – 2011 |

## Journal Service

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|---|---|
| Statistical editor for the *JAMA Health Forum* | 2022 – |
| Journal Referee, *BMJ* | 2025 – |
| Journal Referee, *New England Journal of Medicine* | 2024 – |
| Journal Referee, *Diabetes Care* | 2021 – |
| Journal Referee, *Journal of Health Care for the Poor and Underserved* | 2021 – |
| Journal Referee, *Medical Care* | 2021 – |
| Journal Referee, *JAMA Oncology* | 2020 – |
| Journal Referee, *Journal of Immigrant and Minority Health* | 2020 – |
| Journal Referee, *Cancer* | 2019 – |
| Journal Referee, *Journal of the American Board of Family Medicine* | 2019 – |
| Journal Referee, *Pain Medicine* | 2018 – |
| Journal Referee, *Preventive Medicine* | 2018 – |
| Journal Referee, *Pediatrics* | 2018 – |
| Journal Referee, *American Journal of Preventive Medicine* | 2018 – |
| Journal Referee, *Family Medicine* | 2017 – |
| Journal Referee, *Annals of Applied Statistics* | 2016 – |
| Journal Referee, *American Journal of Epidemiology* | 2016 – |
| Journal Referee, *Sleep Health* | 2016 – |
| Journal Referee, *Preventing Chronic Disease* | 2016 – |
| Statistical editor for the *Annals of Family Medicine* | 2013 –2021 |

## Biomedical & Statistical Presentations

**Marino M**. Data Disaggregation in Health Equity Studies: Where Do We Go From Here?. Invited oral presentation at the Joint Statistical Meeting (JSM) Conference, August 2026, Boston, MA.

**Marino M**. Should Primary Care Clinics Collect Patient Nativity Data in EHRs? What the Past, Present, and Future of Data Disaggregation Can Tell Us. Invited oral presentation at Kaiser Permanente Washington Health Research Institute, June 2026, virtual.

**Marino M**. Measuring What We've Been Missing: Non-Medical Drivers of Health, Data Disaggregation and Cancer Equity in Latinos Using EHR Data. Invited oral presentation at The Mays Cancer Center Grand Rounds, May 2026, virtual.

**Marino M**. The Role of Primary Care in Cancer Control in Latinos: A Report from the 2025 Latino Primary Care Summit. Oral Presentation at the NAPCRG Conference. November 2025, Atlanta, GA.

**Marino M**. The PRIMER Center: Advancing Latino Health Through Primary Care Research, Training, and Community Partnership. Invited Oral Presentation at the American Public Health Association Pa'LANTE: For Latino/x Advancement, Networking, Training, and Education roundtable session. November 2025, Washington DC.

**Marino M**. Integrating Community-Based Partners: A Case Study with Latino Communities in Quantitative Research. Invited Oral Presentation at the Joint Statistical Meeting (JSM) Conference. August 2025, Nashville, TN.

**Marino M**. Data disaggregation in health equity studies: past, present and future. Johns Hopkins Department of Biostatistics. March 2025, Baltimore, MD.

**Marino M**. Co-presenter with John Heintzman. The Role of Primary Care in Latino Health Equity. University of California, San Diego. February 2025, San Diego, CA.

**Marino M**. Trends in Telemedicine Use Among Latinos Accessing Community Health Primary Care Clinics, 2019-2023. Oral Presentation at the NAPCRG Conference. November 2024, Quebec City, Quebec, Canada.

**Marino M**. Disaggregation of Race and Ethnicity Data in Electronic Health Records: Opportunities and Challenges. Invited Oral Presentation at the Joint Statistical Meeting (JSM) Conference. August 2024, Portland, OR.

**Marino M**. Co-presenter with John Heintzman. The Role of Primary Care in Latino Health Equity. Invited Oral Presentation for the National Institute on Minority Health and Health Disparities Director's Seminar Series. June 2024. [VIRTUAL]

**Marino M**. Advancing DEI in Clinical Trials through Data Disaggregation. Knight Cancer Institute Clinical Trials Methods Training. February 2024, Portland, OR.

**Marino M**. Co-presenter with Jorge Kaufmann. Evaluating Social Care Natural Experiments. Invited Oral Presentation at the Social Interventions Research & Evaluation Network (SIREN) Methods Conversations series. September 2023. [VIRTUAL]

**Marino M**. Opportunities and challenges for disaggregation of race and ethnicity data using electronic health records. Invited Oral Presentation at the Western North American Region (WNAR) of the International Biometrics Society, June 2023, Anchorage, AK.

**Marino M**. Using electronic health records for health equity research: Application to Latino populations. Invited Oral Presentation at the National Academy of Medicine - Emerging Leaders Forum. April 2023, Washington DC.

**Marino M**. Data Disaggregation using Electronic Health Records: Opportunities for Health Equity Research. Invited presentation at UC Berkeley Health Policy Research Colloquium. November 2022, Berkeley, CA.

**Marino M**. Answering calls for more nuanced health equity research: Leveraging electronic health records for data disaggregation in Latinos. Colorado School of Public Health, Department of Biostatistics & Informatics Seminar Series. May 2022, Aurora, CO, [VIRTUAL].

**Marino M**. Panel Member. Opportunities in Statistics & Data Science: Academia, Government, and Non-Profits Panel. StatFest 2021. September 2021, [VIRTUAL].

**Marino M**. Co-presenter with Melody Goodman. Tips and Tricks: Preparing for a Job in Academia. Joint Statistical Meeting 2021 Diversity Mentoring Program. August 2021, [VIRTUAL].

**Marino M**. Race/Ethnicity Data Disaggregation using Electronic Health Records: Opportunities for Health Equity Research. Mental Health Research Network Methods Scientific Interest Group. May 2021, Seattle, WA [Virtual]

**Marino M**. Data Disaggregation in Health Equity Research: Providing a nuanced foundation for research on structural racism. Drexel University Dornsife's 2021 Population Health Symposium. April 2021, Philadelphia, PA [Virtual]

**Marino M**. Disentangling Homogeneity in Health Disparities Research Using Electronic Health Records. Eastern North American Region (ENAR) of the International Biometrics Society, March 2021, Baltimore, MD [Virtual]

**Marino M**, Harel O. Technical Writing: Tips and Strategies. Eastern North American Region (ENAR) Fostering Diversity in Biostatistics Workshop. March 2021, Baltimore, MD [Virtual]

**Marino M**, Latour E. Missing Data Methods for (Un)commonly Used Statistics. Conference on Statistical Practice Short Course, February 2021, Nashville, TN [Virtual]

**Marino M**. Disaggregating Data on Race/Ethnicity: Opportunities for health disparities research. University of Minnesota Division of Epidemiology & Community Health Seminar Series, October 2020, Minneapolis, MN [VIRTUAL]

**Marino M**. Navigating a Soft Money Environment. Invited roundtable, Joint Statistical Meetings (JSM), August 2020, Philadelphia, PA [VIRTUAL].

**Marino M**, Heintzman J. State of Wonder: How Oregon has led the way in innovative healthcare policy. Fort George Brewery as part of Ales and Ideas Series. February 2020, Astoria, OR.

**Marino M**. Designs for Pragmatic Trials. Invited talk at the 2020 Knight Cancer Clinical Trial Methods Training Workshop. January 2020, Portland, OR.

**Marino M**. Clinic Characteristics Associated with Screening for Social Determinants of Health. North American Primary Care Research Group Annual Meeting, November 2019, Toronto, Canada.

**Marino M**. Co-presenter with Deborah Cohen. Advancing primary care more than 1000 practices at a time: Emerging Lessons From EvidenceNOW. OHSU Family Medicine Grand Rounds. October 2019, Portland, OR.

**Marino M**. Latino Health in Oregon: Historical and Current Evidence. OHSU Family Medicine Teaching, Research, and Clinical Knowledge Seminar. September 2019, Portland, OR.

**Marino M**. Statistical Lifecycle of EvidenceNOW: Evaluating a National Initiative to Improve Heart Health in Primary Care. Joint Statistical Meetings (JSM), July 2019, Denver, CO.

**Marino M**. Addressing Retention and Attrition in Observational Studies that Utilize Electronic Health Records. Western North American Region (WNAR) of the International Biometrics Society, June 2019, Portland, OR.

**Marino M**. Collaboration Requires Practice: My Experience in Academia. Western North American Region (WNAR) of the International Biometrics Society, June 2019, Portland, OR.

**Marino M**. Beyond Surveys: Using Electronic Health Records to Study Immigrant Populations in Primary Care Research. Banff International Research Station for Mathematical Innovation and Discovery Workshop on "Statistical Analysis of Large Administrative Health Databases", February 2019, Banff, Canada.

**Marino M**. Current Finding from EvidenceNOW: Advancing Heart Health in Primary Care. OHSU Family Medicine Grand Rounds. December 2018, Portland, OR.

**Marino M**. How to Get High Quality Evidence from Observational Studies: Design, Analysis, Interpretation and Reporting Considerations. North American Primary Care Research Group Annual Meeting, November 2018, Chicago, IL.

**Marino M**. Quantitative Methods for Studying Health Disparities in Primary Care: History, Current Issues, and Future Challenges. North American Primary Care Research Group Annual Meeting, November 2018, Chicago, IL.

**Marino M**. The Affordable Care Act's Impact on Racial/Ethnic Disparities in Diabetes Biomarker Control. North American Primary Care Research Group Annual Meeting, November 2018, Chicago, IL.

**Marino M**. Assessing the Impact of Health Policy Changes in Primary Care. Joint Statistical Meeting, July 2018, Vancouver, Canada.

**Marino M**. The Impact of the Affordable Care Act on Diabetes Biomarker Control. AcademyHealth Annual Research Meeting, June 2018, Seattle, WA.

**Marino M**. Using Electronic Health Records for Observational Cancer Studies. OHSU Knight Cancer Biostatistics Symposium, May 2018, Portland, OR.

**Marino M**, Angier H, Hoopes M, Springer R, Valenzuela S, Ezekiel D, Schmidt T, Raynor L, O'Malley J, Huguet N. Combining Historical Data and Propensity Score Methods in Observational Studies to Improve Internal Validity. ASA Conference on Statistical Practice, February 2018, Portland, OR.

**Marino M**, Huguet N, Springer R, Angier H, Hoopes M, DeVoe J. Studying the Impact of the Affordable Care Act Using Electronic Health Records. International Conference on Health Policy Statistics, January 2018, Charleston, SC.

**Marino M**, Balasubramanian B, Springer R, Gordon L, Edwards S, McConnell J, Lindner S, Preston A, Crabtree B, Solberg L, Stange K, Kottke T, Cohen D. Preventive Cardiovascular Disease Services Delivery Rates and Associated Practice Characteristics Among 1,115 Small-to-Medium Primary Care Practices. North American Primary Care Research Group Annual Meeting, November 2017, Montreal, Canada.

**Marino M**, Angier H, Springer R, Huguet N, Hoopes M, O'Malley J, Raynor L, DeVoe J. The Affordable Care Act: Effects of Medicaid on Diabetes Biomarker Control. North American Primary Care Research Group Annual Meeting, November 2017, Montreal, Canada.

**Marino M**, Valenzuela S, Hoopes M, DeVoe J. Validation of Medicaid Coverage in Electronic Health Records to Monitor Health Reform. Western North American Region of The International Biometric Society Annual Meeting, June 2017, Santa Fe, NM.

**Marino M**, Ezekiel D, Valenzuela S. The Intersection of Math and Medicine: a Roadmap. MENTE Latino Male Summit, April 2017, Portland, OR.

**Marino M**, Hoopes M, Valenzuela S, DeVoe JE. A Two-Stage Logistic Regression Model to Identify Covariates that are Predictive of Agreement Between Insurance Sources. International Chinese Statistical Association International Conference, December 2016, Shanghai, China.

**Marino M**, Killerby M, Hoopes M, Dexter E, Huguet N, Angier H, Heintzman J, Bailey S, O?Malley J, Raynor L, DeVoe JE. Using Electronic Health Records for Accurate Adult Medicaid Coverage Continuity. North American Primary Care Research Group Annual Meeting, November 2016, Colorado Springs, CO.

**Marino M**, Killerby M, Hatch B, Dexter E, Raynor L, Huguet N, Bailey S, Heintzman J, Angier H, Hoopes M, Gold R, DeVoe JE. Change in Chronic Disease Biomarkers over time: the role of Medicaid Expansion. North American Primary Care Research Group Annual Meeting, November 2016, Colorado Springs, CO.

**Marino M**, Balasubramanian B, Springer R, Dexter E, Killerby M, Gordon L, McConnell J, Lindner S, Preston A, Crabtree B, Solberg L, Stange K, Cohen D. Cardiovascular disease preventive services delivery rates among smaller primary care practices in 12 US States – Early Findings from EvidenceNOW. Poster presentation at North American Primary Care Research Group Annual Meeting, November 2016, Colorado Springs, CO.

**Marino M**, Heintzman J, Dexter E, Cowburn S, O'Malley J, Bailey S, Gold R, DeVoe JE. Intracluster correlation estimates for design of cluster-randomized trials and multi-clinic studies that utilize electronic health record data. AMIA Annual Symposium, San Francisco, CA, November 2015.

**Marino M**, Bailey S, Hoopes M, Angier H, Gold R, Heintzman J, O'Malley J, DeVoe JE. Capturing Preventive Care Services: Comparing Data Obtained from Manual Chart Review, Automated EHR Extraction, and Insurance Claims. AMIA Annual Symposium, San Francisco, CA, November 2015.

**Marino M**, Li Y, Pencina M, D'Agostino Sr. R, Berkman L, Buxton O. Quantifying Cardiometabolic Risk Using Modifiable Non-Self-Reported Risk Factors. North American Primary Care Research Group Annual Meeting, November 2014, New York, NY.

**Marino M**, DeVoe J, Bailey S, Hoopes M, O'Malley J, Cowburn S, Gold R, Heintzman J, Nelson C. How Did the Oregon Medicaid Experiment Affect Utilization of Health Care Services Among Patients of Federally-Qualified Health Centers? North American Primary Care Research Group Annual Meeting, November 2014, New York, NY.

**Marino M** and the Annals of Family Medicine editorial team. 'Shorter is Better': Writing Effective Research Reports, workshop presented at the annual meeting of the North American Primary Care Research Group (NAPCRG), New York City, November 23, 2014.

**Marino M**, Cowburn S, O'Malley JP, Hoopes MJ, Bailey SR, Heintzman J, Gold R, DeVoe JE. Intra-cluster correlation estimates for design of cluster-randomized trials and multi-clinic studies that utilize electronic health record data. Poster presentation at the Western North American Region of the International Biometric Society Annual Meeting, June 2014, Honolulu, HI.

**Marino M**, Li Y, Berkman L, Buxton O. (2012) Prediction of Cardiometabolic Risk Using Modifiable Risk Factors for Intervention Evaluation. *American Public Health Association Meetings, San Francisco, CA.*

**Marino M**, Li Y, Rueschman M, Winkelman J, Ellenbogen J, Solet J, Dulin H, Berkman L, Buxton O. (2012). Accuracy, sensitivity, and specificity of a wrist actigraphy algorithm for sleep/wake versus polysomnography. *Sleep Meetings, Boston, MA.*

**Marino, M.**, Gillet, J., Schetter, A., Calcagno, A.M., Ambudkar, S.V., Harris, C. and Gottesman, M. M. (2009). Statistical framework for the analysis of high-throughput TaqMan qRT-PCR Data. *National Cancer Institute Poster Day., Bethesda, MD.*

**Marino, M.**, Li. Y. (2011). Variable Selection for Multilevel Models in the Presence of Missing Data. *ENAR Statistical Meetings, Miami, FL.*

## Teaching Experience

**Instructor**, Oregon Health and Science University

*Courses for integrated clinical and translational research education program*

| | |
|---|---|
| HIP528: Applied Biostatistics I | Winter 2014–2020 |
| HIP529: Applied Biostatistics II | Spring 2014–2020 |

**Instructor**, Harvard Department of Biostatistics

*Course for MPH students across departments in HSPH*

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|---|---|
| BIO 203: Principles of Biostatistics II | Summer 2012 |
| ID 538: Foundations in Public Health | Fall 2011 |

*Introductory course for the summer program in quantitative science*

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|---|---|
| Summer Course in Biostatistics | Summer 2010, 2011 |

**Head Teaching Assistant**, Harvard Department of Biostatistics

*Course for biomedical and social science MPH students and Masters students in Biostatistics*

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|---|---|
| Biostat 210: The Analysis of Rates and Proportions | Spring 2009 |

**Teaching Assistant**, Harvard Department of Biostatistics

*Advanced Course in analysis of linear models for PhD biostatistics students*

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|---|---|
| Biostat 235: Regression and Analysis of Variance | Fall 2008 |

*Course for biomedical and social science MPH students and Masters students in Biostatistics*

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|---|---|
| Biostat 202: Principles of Biostatistics | Summer 2010 |
| ID 538: Foundations in Public Health | Fall 2009, Fall 2010 |
| Biostat 210: The Analysis of Rates and Proportions | Spring 2008 |
| Biostat 206: Introductory Statistics for Medical Research | Summer 2008 |
| Biostat 207: Statistics for Medical Research II | Summer 2008 |

**Teaching Assistant**, University of California, Los Angeles

*Course for biomedical and social science MPH students and Masters students in Biostatistics*

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|---|---|
| Biostat 100A: Introduction to Biostatistics I | Summer 2005 |
| Biostat 100B: Introduction to Biostatistics II | Winter 2006 |
| Biostat 403A: Analysis of Health Data Using SAS | Fall 2005 |
| Biostat 406 : Applied Multivariate Statistics | Spring 2006 |

STUDENT ADVISING

**David Noyd**. OHSU MPH thesis advisee (2013–14). "Dengue Epidemic in Puerto Rico 2012-2013: Integration of Passive and Sentinel Surveillance to Characterize and Differentiate Dengue in the Peri-vaccination Era".

**Eve Dexter**. PSU MS thesis advisee (2014–15). "Methods for estimating the intraclass correlation coefficient for clustered binary outcomes with application to electronic health records".

**Jennifer Jacobs**. OHSU MPH thesis advisee (2015–16). "Mass Media Exposure and Family Planning in West African Adolescents".

**Michael Saladik**. OHSU MPH thesis advisee (2015–16). "Using Electronic Health Record Data to Evaluate Chlamydia Testing Rates Based on Differences in Patient Primary Language".

**Emile Latour**. OHSU MS thesis primary mentor (2015–16). "Dealing with Missing Data in Measure of Agreement Studies".

**Sarah Andrea**. OHSU PhD thesis advisee (2017–2019). "The Tipping Point: an exploration of the effects of subminimum wage on maternal and child health".

**Jennifer Ku**. OHSU PhD thesis advisee (2019–21). "Treatment Patterns and Outcomes of Pulmonary Nontuberculous Mycobacterial Disease due to Mycobacterium Avium Complex in U.S. Medicare Beneficiaries with Bronchiectasis."

**Lily Cook**. OHSU PhD thesis advisee (2019–22). "Data Quality and Social Determinants of Health: Best Practices for Health Equity Research".

**Sarah-Truclinh Tran**. OHSU PhD thesis advisee (2022–24). "The role of ethnic enclaves on preterm birth in disaggregated Asian American national-origin groups: does neighborhood type matter?"

**Anna Booman**. OHSU PhD thesis advisee (2022–24). "Infant Growth among Twins: patterns, drivers, and effect using a cohort with high representation of systematically underserved and marginalized communities, 2005-2021"

TECHNICAL SKILLS

R/S-PLUS, SAS, STATA, LaTeX, BRB-ArrayTools, SaTScan