

Miguel Marino, PhD

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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

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

Dana Farber Cancer Institute, Boston, MA

Consultant 2010

National Cancer Institute, Bethesda, MD

Summer Intern 2009

SHORT BIO I am an Associate 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. As a first-generation Mexican American who had an opportunity to obtain a PhD in Biostatistics from Harvard, I decided to establish my career at the intersection of primary care, public health and biostatistics.

To this end, 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 economics, access, quality, safety, equity, and reform. I'm currently the co-chair for the NIH Community Engagement Alliance (CEAL) Needs Assessment & Evaluation Workgroup and co-publications officer for the Health Policy Statistics Section of the American Statistical Association. In 2022, I was appointed to serve on the National Advisory Committee on Racial, Ethnic and Other Populations for the Census Bureau. 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 Scholar and in 2022 as an elected member of the National Academy of Medicine.

AWARDS AND FELLOWSHIPS	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
PUBLICATIONSPeer-Reviewed Articles:

1. 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. *In press: Applied Clinical Informatics.*
2. 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. *In press: Journal of Primary Care and Community Health.*
3. 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: Leveraging electronic health records for data disaggregation in Latinos. *In press: Family Medicine and Community Health.*
4. 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. *In press: JAMA Network Open.*
5. Heintzman J, Kaufmann J, Rodriguez C, Lucas J, Boston D, April-Sanders A, Chung-Bridges K, Marino M. (2023) Statin eligibility and prescribing across racial, ethnic, and language groups over the 2013 ACC/AHA guideline change: a retrospective cohort analysis from 2009-2018. *In press: Journal of General Internal Medicine.*
6. Huebner Torres C, Gold R, Kaufmann J, **Marino M**, Hoopes M, Totman M, Aceves B, Gottlieb LM. (2023) Social Risk Screening and Response Equity: Assessment by Race, Ethnicity, and Language in Community Health Centers. *In press: American Journal of Preventive Medicine.*
7. Gold R, Kaufmann J, Cottrell E, Bunce A, Shepler C, Hoopes M, Krancari M, Gottlieb L, Bowen M, Bava J, Mossman N, Yosuf N, **Marino M**. (2023) Implementation Support for a Social Risk Screening and Referral Process in Community Health Centers: Stepped-wedge Trial Results. *In press: NEJM Catalyst.*

8. Rotenstein L, Cohen D, **Marino M**, Bates D, Edwards S. (2023) Clinician Practice Ownership is Associated with Ability of Primary Care Practices to Improve Quality Without Increasing Burnout. *In press: JAMA Health Forum.*
9. Hess JA, Olson R, Turk D, **Marino M**, Greenspan L, Alley L, Donovan C, Rice S. (2023) Community of Practice And Safety Support for Navigating Pain (COMPASS-NP): Study protocol for a randomized controlled trial with home care workers. *In press: Trials.*
10. Lindner S, Balasubramanian B, **Marino M**, McConnell KJ, Kottke T, Edwards S, Cykert S, Cohen D. (2023) Estimating the Cardiovascular Disease Risk Reduction of a Quality Improvement Initiative in Primary Care: Findings from EvidenceNOW. *In press: Journal of the American Board of Family Medicine.*
11. Chan B, Ezekiel-Herrera D, Bailey S, **Marino M**, Lucas J, Giebultowicz S, Cottrell E, Carroll J, Heintzman J. (2023) Screening for Hepatitis C Among Community Health Center Patients by Ethnicity and Language Preference. *In press: AJPM Focus.*
12. Hodes T, **Marino M**, Lucas J, Bazemore A, Peterson L, Trivedi M, Giebultowicz S, Heintzman J. (2023) Association of Patient-Clinician Language Concordance and Care Quality Among Latinx Children with Asthma, Overall and by Continuity of Care. *In press: Journal of the American Board of Family Medicine.*
13. Lucas J, **Marino M**, Datta R, Chan B, Heintzman J. (2023) Ethnicity, language, and HIV screening in older adult safety-net patients. *In press: American Journal of Preventive Medicine*
14. **Marino M**, Fankhauser K, Minnier J, Lucas JA, Giebultowicz S, Kaufmann J, Hwang J, Bailey S, Crookes DM, Bazemore A, Suglia SF, Heintzman J. (2022) Disaggregating Latino Nativity in Equity Research Using Electronic Health Records. *In press: Health Services Research.*
15. Huguet N, Green B, Voss RW, Larson AE, Angier H, **Marino M**, Liu S, Latkovic-Taber M, DeVoe JE. (2022) Factors associated with blood pressure control among patients in community health centers. *In press: American Journal of Preventive Medicine.*
16. Kaufmann J, **Marino M**, Lucas J, Rodriguez C, Bailey S, April-Sanders A, Boston D, Heintzman J. (2022) Racial, Ethnic, and Language Differences in Screening Measures for Statin Therapy Following a Major Guideline Change. *In press: Preventive Medicine.*
17. Ukhanova M, Voss R, **Marino M**, Huguet N, DeBar L, Bailey S, Hartung D, O'Malley J, Muench J. (2022) Chronic overlapping pain conditions and risk of long-term opioid treatment in safety net clinics. *In press: American Journal of Managed Care.*
18. Hatch B, Valenzuela S, Darden P, Fagnan LJ, Dickinson C, **Marino M**, Robison S, Carney P. (2022) Clinic-level Differences in HPV Vaccination Rates Among Rural and Urban Oregon Primary Care Clinics. *In press: The Journal of Rural Health.*
19. Cohen DJ, Balasubramanian BA, Lindner S, Miller W, Sweeney S, Hall J, Ward R, **Marino M**, Springer R, McConnell J, Hemler J, Ono S, Ezekiel-Herrera D, Baron A, Crabtree BF, Solberg L. (2022) How does prior experience pay off in large-scale quality improvement initiatives? *In press: Journal of the American Board of Family Medicine.*
20. Balasubramanian B, Lindner S, **Marino M**, Springer R, McConnell J, Cohen D. (2022) Improving Delivery of Cardiovascular Disease Preventive Services in Small-to-Medium Primary Care Practices. *In press: Journal of the American Board of Family Medicine.*
21. Carney PA, Valenzuela S, Ericson A, Peterson L, Dinh DH, Conry CM, Martin JC, Mitchell KB, Rosener SE, **Marino M**, Eiff MP. (2022) The Association Between Length of Training and Family Medicine Residents' Clinical Knowledge: A Report from the Length of Training Pilot Study. *In press: Family Medicine.*

22. Kaufmann J, DeVoe JE, Angier H, Moreno L, Cahen V, **Marino M.** (2022) Association of Parent Influenza Vaccination and Early Childhood Vaccinations using Linked Electronic Health Record Data. *Vaccine*, 40(49):7097-7107.
23. Angier H, Hodes T, Moreno L, O'Malley J, **Marino M,** DeVoe J. (2022) An Observational Study of Health Insured Visits for Children following Medicaid Eligibility Expansion for Adults Among a Linked Cohort of Parents and Children. *Medicine*, 101(38):e30809.
24. Green B, Larson A, Huguet N, Angier H, Valenzuela S, **Marino M.** (2022) High Blood Pressure Reduction, Health Insurance Status, and Social Deprivation Index in US Community Health Centers. *American Journal of Preventive Medicine Focus*, 1(2):100018.
25. Chamine I, Hwang J, Valenzuela S, **Marino M,** Larson A, Georgescu J, Angier H, DeVoe JE, Huguet N. (2022) Acute and chronic diabetes-related complications among patients with diabetes mellitus receiving care in community health centers. *Diabetes Care*, 45(10):e141-e143.
26. Ku J, Henkle E, Carlson K, **Marino M,** Brode S, Marras T, Winthrop K. (2022) Evaluation of Mycobacterium avium complex pulmonary disease treatment completion and adherence to ATS/IDSA guidelines. *Clinical Infectious Diseases*, ciac394.
27. Sweeney S, Baron A, Hall J, Ezekiel-Herrera D, Springer R, Ward R, **Marino M,** Balasubramanian B, Cohen D. (2022) Effective Facilitator Strategies for Supporting Primary Care Practice Change: A Mixed Methods Study. *Annals of Family Medicine*, 20(5):414-422.
28. Datta R, Lucas J, **Marino M,** Aceves B, Ezekiel-Herrera D, Vazquez Guzman CE, Giebultowicz S, Chung-Bridges K, Kaufmann J, Bazemore A, Heintzman J. (2022) Diabetes Screening and Monitoring among Older Mexican-origin populations in the US. *Diabetes Care*, 45(7):1568-1573.
29. Coffey M, **Marino M,** Lyren A, Purcell D, Hoffman J, Brill R, Muething S, Hyman D, Saysana, Sharek P. (2022) Association between Hospital-Acquired Harm Outcomes and Membership in a National Patient Safety Collaborative. *JAMA Pediatrics*, 176(9):924-932.
30. Bailey S, Hwang J, **Marino M,** Quinones A, Lucas J, Chan B, Heintzman J. (2022) Smoking-Cessation Assistance Among Older Adults by Ethnicity/Language Preference. *American Journal of Preventive Medicine*, 63(3):423-430.
31. Bailey S, Voss R, Angier H, Huguet N, **Marino M,** Valenzuela S, Chung-Bridges K, DeVoe J. (2022) Affordable Care Act Medicaid Expansion and Access to Primary-Care based Smoking Cessation Assistance among Cancer Survivors: An Observational Cohort Study. *BMC Health Services Research*, 22(1):488.
32. Angier H, Kaufmann J, Heintzman J, O'Malley J, Moreno L, Giebultowicz S, **Marino M.** (2022) Association of Parent Preventive Care with their Child's Recommended Well-Child Visits. *Academic Pediatrics*, 22(8):1422-1428.
33. Gold R, Kaufmann J, Gottlieb L, Weiner S, Hoopes M, Gemelas J, Huebner Torres C, Cottrell E, Hessler D, **Marino M,** Shepler C, Berkowitz S. (2022) Cross-sectional associations: social risks and diabetes care quality, outcomes. *American Journal of Preventive Medicine*, 63(3):392-402.
34. Lucas JA, Kaufmann J, Jones M, Garg A, Ezekiel-Herrera D, Puro J, **Marino M,** Heintzman J. (2022) Role of ethnicity/language in documented rates of pediatric asthma prescription refills. *Journal of Asthma*, 1-8.
35. Aceves B, Ezekiel-Herrera D, **Marino M,** Datta R, Lucas J, Giebultowicz S, Heintzman J. (2022) Disparities in HbA1c testing between aging US Latino and non-Latino white primary care patients. *Preventive Medicine Reports*, 26:101739.
36. Hatch B, Tillotson C, Hoopes M, Huguet N, **Marino M,** DeVoe J. (2022) Patient-level factors associated with receipt of preventive care in the safety net. *Preventive Medicine*, 158:107024.

37. Darney B, Biel F, Hoopes M, Rodriguez M, Hatch B, **Marino M**, Templeton A, Oakley J, Schmidt T, Cottrell E. (2022) Title X Improved Access To Most Effective And Moderately Effective Contraception In US Safety-Net Clinics, 2016-18. *Health Affairs*, 41(4):497-506.
38. Voss R, Schmidt T, Weiskopf N, **Marino M**, Dorr D, Huguet N, Warren N, Valenzuela S, O'Malley J, Quinones A. (2022) Comparing Ascertainment of Chronic Condition Status with Problem Lists versus Encounter Diagnoses from Electronic Health Records. *Journal of the American Medical Informatics Association*, 29(5):770-778.
39. Huguet H, Hodes T, Bailey SR, **Marino M**, Hartung DM, Voss R, O'Malley J, Chamine I, Muench J. (2022) Characterizations of opioid prescribing in community health centers in 2018. *Journal of Primary Care and Community Health*, 13:21501319221074115.
40. Larson A, Angier H, Suchocki A, Voss R, **Marino M**, Warren N, Huguet N. (2022) Primary and Mental Health Service Use in Community Health Center Patients Before and After Cancer Diagnosis. *Cancer Medicine*, 11(11):2320-2328.
41. Yang Z, Silcox C, Sendak M, Rose S, Rehkopf D, Phillips R, Peterson L, **Marino M**, Maier J, Lin S, Liaw W, Kakadiaris I, Heintzman J, Chu I, Bazemore A. (2022) Advancing Primary Care with Artificial Intelligence and Machine Learning. *Healthcare*, 10(1):100594.
42. **Marino M**, Solberg L, Springer R, McConnell KJ, Lindner S, Ward R, Edwards ST, Stange KC, Cohen DJ, Balasubramanian BA. (2022) Cardiovascular disease preventive services among smaller primary care practices. *American Journal of Preventive Medicine*, 62(5):e285-e295.
43. Heintzman J, Hwang J, Quinones A, Vasquez-Guzman CE, Bailey SR, Lucas J, Giebultowicz S, Chan B, **Marino M**. (2022) Influenza and Pneumococcal Vaccination Delivery in Older Hispanic Populations in the United States. *Journal of the American Geriatrics Society*, 70(3):854-861.
44. Heintzman J, Kauffman J, Bailey S, Lucas J, Suglia S, Puro J, Giebultowicz S, Ezekiel-Herrera D, **Marino M**. (2022) Asthma Ambulatory Care Quality in Foreign-Born Latino Children in the United States. *Academic Pediatrics*, 22(4):647-656.
45. Quinones AR, Valenzuela S, Huguet N, Ukhanova M, **Marino M**, Lucas J, O'Malley J, Schmidt T, Voss R, Peak K, Warren N, Heintzman J. (2022) Prevalent Multimorbidity Combinations among Middle-Aged and Older Adults Seen in Community Health Centers. *Journal of General Internal Medicine*, 37(14):3545-3553.
46. Heintzman J, Ezekiel-Herrera D, Quinones A, Lucas J, Carroll J, Giebultowicz S, Cottrell E, **Marino M**. (2022) Disparities in colorectal cancer screening in Latinos and non-Hispanic whites. *American Journal of Preventive Medicine*, 62(2):203-210.
47. Kaufmann J, **Marino M**, Lucas J, Bailey S, Giebultowicz S, Puro J, Ezekiel-Herrera D, Suglia S, Heintzman J. (2022) Racial and Ethnic Disparities in Acute Care Use for Pediatric Asthma. *Annals of Family Medicine*, 20(2):116-122.
48. Huguet N, Hodes T, Holderness H, Bailey S, DeVoe J, **Marino M**. (2022) Community Health Centers' Performance in Cancer Screening and Prevention. *American Journal of Preventive Medicine*, 62(2):e97-e106.
49. Blackburn B, **Marino M**, Schmidt T, Heintzman J, Hatch B, DeVoe J, Moreno L, Huguet N. (2022) Preventive service utilization among low-income cancer survivors. *Journal of Cancer Survivorship*, 16(5):1047-1054.
50. Heintzman J, Ezekiel-Herrera D, Bailey SR, Garg A, Lucas J, Suglia S, Cowburn S, Puro J, **Marino M**. (2022) Latino-White Disparities in ICD-coded Asthma Diagnosis among US Children. *Journal of Asthma*, 59(3):514-522.

51. Huguet N, Valenzuela S, **Marino M**, Moreno L, Hatch B, Baron A, Cohen DJ, DeVoe JE. (2021) Effectiveness of an insurance enrollment support tool on insurance rates and cancer prevention in Community Health centers: A quasi-experimental study. *BMC Health Services Research*, 21(1):1186.
52. Lucas JA, **Marino M**, Fankhauser K, Bazemore A, Giebultowicz S, Cowburn S, Kaufmann J, Ezekiel-Herrera D, Heintzman J. (2021) Role of social deprivation on asthma care quality among a cohort of children in US community health centres. *BMJ Open*, 11(6):e045131.
53. Lucas JA, **Marino M**, Giebultowicz S, Fankhauser K, Suglia SF, Bailey SR, Bazemore A, Heintzman J. (2021) Mobility and social deprivation on primary care utilisation among paediatric patients with asthma. *Family Medicine and Community Health Journal*, 9(3): e001085.
54. Gemelas J, **Marino M**, Valenzuela S, Schmidt T, Suchocki A, Huguet N. (2021) Changes in Diabetes Prescription Patterns following Affordable Care Act Medicaid Expansion. *BMJ Open Diabetes Research & Care*, 9(Suppl 1):e002135.
55. Haley AD, Powell BJ, Walsh-Bailey C, Gruss I, Krancari M, Shea CM, Bunce A, **Marino M**, Frerichs L, Lich KH, Gold R. (2021) Strengthening methods for tracking adaptations and modifications to implementation strategies. *BMC Medical Research Methodology*, 21(1):1-2.
56. Huguet N, Larson A, Angier H, **Marino M**, Green BB, Moreno L, DeVoe JE. (2021) Rates of Undiagnosed Hypertension and Diagnosed Hypertension Without Anti-hypertensive Medication Following the Affordable Care Act. *American Journal of Hypertension*, 34(9):989-998.
57. Edwards ST, **Marino M**, Solberg LI, Damschroder L, Stange KC, Kottke TE, Balasubramanian B, Springer R, Perry C, Cohen D. (2021) Cultural and structural features of zero-burnout primary care practices. *Health Affairs*, 40(6):928-36.
58. Heintzman J, **Marino M**. (2021) The Importance of Primary Care Research in Understanding Health Inequities in the United States. *Journal of the American Board of Family Medicine*, 34(4):849-52.
59. Ukhanova M, **Marino M**, Angier H, Jacob L, O'Malley J, Cottrell E, Dambrun, Heintzman J. (2021) The Impact of Capitated Payment on Preventive Care Utilization in Community Health Clinics. *Preventive Medicine*, 145:106405.
60. Hoopes M, Voss R, Angier H, **Marino M**, Schmidt T, DeVoe JE, Soule J, Huguet N. (2021) Assessing cancer history accuracy in primary care electronic health records through cancer registry linkage. *JNCI: Journal of the National Cancer Institute*, 113(7):924-32.
61. Huguet N, Schmidt T, Larson A, O'Malley J, Hoopes M, Angier H, **Marino M**, DeVoe J. (2021) Prevalence of pre-existing conditions among community health center patients with COVID-19: implications for the Patient Protection and Affordable Care Act. *Journal of the American Board of Family Medicine*, 34(Supplement):S247-9.
62. **Marino M**, Lucas J, Latour E, Heintzman J. (2021) Missing data in primary care research: importance, implications and approaches. *Family Practice*, 38(2):200-3.
63. Brodt E, Valenzuela S, Empey A, Bruegl A, Spector D, **Marino M**, Carney PA. (2021) Measurement of American Indian and Alaska Native Racial Identity Among Medical School Applicants, Matriculants, and Graduates, 1996-2017. *JAMA Network Open*, 4(1):e2032550.
64. Cohen D, Sweeney S, Miller W, Hall J, Miech E, Springer R, Balasubramanian B, Damschroder L, **Marino M**. (2021) Improving smoking and blood pressure outcomes: the interplay between operational changes and local context. *Annals of Family Medicine*, 19(3):240-8.
65. Ku JH, Henkle EM, Carlson KF, Marino M, Winthrop KL. (2021) Validity of Diagnosis Code-Based Claims to Identify Pulmonary NTM Disease in Bronchiectasis Patients. *Emerging Infectious Diseases*, 27(3):982.

66. Hatch B, Hoopes M, Darney BG, **Marino M**, Templeton AR, Schmidt T, Cottrell E. (2021) Impacts of the Affordable Care Act on receipt of women's preventive services in community health centers in Medicaid expansion and non-expansion states. *Women's Health Issues*, 31(1):9-16.
67. Angier H, Huguet N, Ezekiel-Herrera D, **Marino M**, Holderness H, Schmidt T, Green BB, DeVoe JE. (2020) New hypertension and diabetes diagnoses following the Affordable Care Act Medicaid expansion. *Family Medicine and Community Health Journal*, 8:e000607.
68. Angier H, Green B, Fankhauser K, **Marino M**, Huguet N, Larson A, DeVoe JE. (2020) Role of health insurance and neighborhood-level social deprivation on hypertension control following the affordable care act health insurance opportunities. *Social Science & Medicine*, 265:113439.
69. Heintzman J, O'Malley J, **Marino M**, Todd J, Stange K, Huguet N, Gold R. (2020) SARS-CoV-2 Testing and Changes in Primary Care Services in a Multistate Network of Community Health Centers During the COVID-19 Pandemic. *JAMA*, 324(14):1459-1462.
70. Larson A, Hoopes M, Angier H, **Marino M**, Huguet N. (2020) Private/Marketplace Insurance in Community Health Centers 5 Years Post-ACA in Medicaid Expansion and Non-Expansion States. *Preventive Medicine*, 141:106271.
71. Olson R, Johnson P, Shea SA, **Marino M**, Rimby J, Womack K, Wang F, Springer R, Donovan C, Rice S. (2020) Advancing the Safety, Health, and Well-Being of Commercial Driving Teams Who Sleep in Moving Semi-Trucks: The Tech4Rest Pilot Study. *Journal of Occupational and Environmental Medicine*, 62(12):1082-96.
72. **Marino M**, Angier H, Springer R, Valenzuela S, Hoopes M, O'Malley J, Suchocki A, Heintzman J, DeVoe J, Huguet N. (2020) The Affordable Care Act – Effects of Insurance on Diabetes Biomarkers. *Diabetes Care*, 43(9):2074-81.
73. DeVoe JE, Likumahwa-Ackman S, Angier HE, Huguet N, Cohen DJ, Flocke S, **Marino M**, Gold R. (2020) A Practice-Based Research Network (PBRN) Roadmap for Evaluating COVID-19 in Community Health Centers: A Report From the OCHIN PBRN. *Journal of the American Board of Family Medicine*, 33(5):774-8.
74. Bailey SR, Fankhauser K, **Marino M**, Schmidt T, Giebultowicz S, Ezekiel-Herrera D, Heintzman J. (2020) Smoking assessment and current smoking status among adolescents in primary care settings. *Nicotine & Tobacco Research*, 22(11):2098-103.
75. Hatch B, Tillotson C, Huguet N, **Marino M**, Barron A, Nelson J, Sumic A, Cohen D, DeVoe J. (2020) Implementation and adoption of a health insurance support tool in the electronic health record: A mixed methods analysis within a randomized trial. *BMC Health Services Research*, 20:1-12.
76. Lindner S, Kaufman M, **Marino M**, O'Malley J, Angier H, Cottrell EK, McConnell KJ, DeVoe J, Heintzman J. (2020) A Medicaid Alternative Payment Model in Oregon Led to Reduced Volume of Traditional Primary Care Services. *Health Affairs*, 39(7):1194-1201.
77. Darney BG, Jacob RL, Hoopes M, Rodriguez MI, Hatch B, **Marino M**, Templeton A, Oakley J, Cottrell E. (2020) Evaluation of Medicaid Expansion Under the Affordable Care Act and Contraceptive Care in US Community Health Centers. *JAMA Network Open*, 3(6):e206874-e206874.
78. Angier H, **Marino M**, Springer R, Schmidt T, Huguet N, DeVoe J. (2020) The Affordable Care Act improved health insurance coverage and cardiovascular-related screening rates for cancer survivors seen in community health centers. *Cancer*, 126(14):3303-11.
79. Heintzman J, Kaufmann J, Lucas J, Suglia S, Puro J, Giebultowicz S, Ezekiel-Herrera D, Bazemore A, **Marino M**. (2020) Asthma Care Quality, Language, and Ethnicity in a Multi-State Network of Low-Income Children. *Journal of the American Board of Family Medicine*, 33(5):707-15.

80. Ukhanova M, Tillotson C, **Marino M**, Huguet N, Quiñones AR, Hatch B, Schmidt T, DeVoe J. (2020) Uptake of preventive services among patients with and without multimorbidity. *American Journal of Preventive Medicine*, 59(5):621-9.
81. Andrea S, Messer LC, **Marino M**, Goodman JM, Boone-Heinonen J. (2020) The Tipping Point: Could increasing the subminimum wage reduce poverty-related antenatal stressors in US women? *Annals of Epidemiology*, 45:47-53.
82. Andrea S, Messer LC, **Marino M**, Goodman JM, Boone-Heinonen J. (2020) A Nationwide Investigation of the Impact of the Tipped Worker Subminimum Wage on Infant Size for Gestational Age. *Preventive Medicine*, 133:106016.
83. Huguet N, Kaufmann J, O'Malley J, Angier H, Hoopes M, DeVoe J, **Marino M**. (2020) Using electronic health records in longitudinal studies: estimating patient attrition. *Medical Care*, 58:S46-S52.
84. Lindner S, **Marino M**, O'Malley J, Angier H, Bailey SR, Hoopes M, Springer R, Huguet N. (2020) Health Care Expenditures Among Adults with Diabetes after Oregon's Medicaid Expansion. *Diabetes Care*, 43(3):572-579.
85. Campbell A, Bailey S, Hoffman K, Terashima J, Fankhauser K, **Marino M**, McCarty D. (2020) Associations between psychiatric disorders and cannabis related disorders documented in electronic health records. *Journal of Psychoactive Drugs*, 52(3):228-236.
86. **Marino M**, Angier H, Fankhauser K, Valenzuela S, Hoopes M, Heintzman J, DeVoe J, Moreno L, Huguet N. (2020) Disparities in Biomarkers for Patients with Diabetes after the Affordable Care Act. *Medical Care*, 58:S31-S39.
87. Heintzman J, **Marino M**, Clark K, Cowburn S, Sosa S, Cancel L, Ezekiel-Herrera D, Cohen D. (2020) Using electronic health record data to study Latino immigrant populations in health services research. *Journal of Immigrant and Minority Health*, 22:754-761.
88. Bailey SR, **Marino M**, Ezekiel-Herrera D, Schmidt T, Angier H, Hoopes MJ, DeVoe JE, Heintzman J, Huguet N. (2020) Tobacco Cessation in Affordable Care Act Medicaid Expansion States versus Non-Expansion States. *Nicotine & Tobacco Research*, 22(6):1016-1022.
89. Lucas JA, **Marino M**, Fankhauser K, Bailey S, Ezekiel-Herrera D, Kaufmann J, Cowburn S, Suggia S, Bazemore A, Puro J, Heintzman J. (2019) Oral Corticosteroid Use, Obesity, and Ethnicity in Children with Asthma. *Journal of Asthma*, 1-9.
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Heintzman J, **Marino M**. The Latino Paradox may extend to some high value services in primary care.

Roberts M, **Marino M**, Wells R, Atem F, Balasubramanian B. Clinical Decision Support Tools and Racial and Sex Disparities in Cardiovascular Disease Preventive Services Among Smaller Primary Care Practices.

Boston D, Hwang J, Lucas J, **Marino M**, Larson Z, Sun E, Giebultowicz S, Crookes D, Rodriguez C, Heintzman J. Latino-White Disparities in Identification and Control of Elevated Blood Pressure among Adults with Hypertension.

Walker RJ, Eisenhauer E, Thompson EL, Butler R, Metheny N, Barroso CS, **Marino M**. COVID-19 Information, Trust, and Risk Perception Across Diverse Communities in the United States: Initial Findings from a Multistate CEAL Alliance.

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. Effects of a Workplace Intervention on Employee Cardiometabolic Risk: Evidence from the Work, Family and Health Network Randomized Trial.

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. Methods for modeling gestational weight gain: empirical application using electronic medical record data from a safety net population.

Lucas J, Hsu A, Heintzman J, Bailey S, Suglia S, Bazemore A, Giebultowicz S, **Marino M**. How mobility across neighborhoods with varying levels of social deprivation associates with pediatric primary care outcomes among different racial/ethnic groups.

Byhoff E, Dinh D, Lucas J, **Marino M**, Heintzman J. Differences in Outpatient Mental Health Utilization by Ethnicity & Preferred Language in a National Cohort of Community Health Center Patients.

Huguet N, Danna M, Baron A, Hall J, Hodes T, O'Malley J, Holderness H, **Marino M**, DeVoe JE, Cohen DJ. Delivery of cervical and colorectal cancer screenings during the pandemic in community health centers: practice changes and recovery strategies.

Huguet N, Hodes T, Liu S, **Marino M**, Schmidt T, Voss R, Peak K, Quiñones A. Impact of health insurance patterns on chronic health conditions among older patients seen in community health centers.

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

Lucas JA, **Marino M**, Trivedi M, Datta R, Ezekiel-Herrera D, Giebultowicz S, Heintzman J. Association of early childhood wheeze and asthma diagnosis documentation by race, ethnicity, and language in children receiving care at US community health centers.

Heintzman J, Hodes T, Parras D, Lucas J, Vasquez-Guzman CE, Chan B, Banegas M, **Marino M**. The Role of Language in Mammography Orders among Low-Income Latinas over a 10-year period.

Heintzman J, Springer R, **Marino M**, Kaufmann J, Giebultowicz S, Warren N, Liu S, and Angier H. Latino Adolescent-Mother Language Concordance, Neighborhood Deprivation, and Vaccinations in Community Health Centers.

Kasten-Arias C, Hodes T, **Marino M**, Kaufmann J, Lucas J, Vasquez Guzman CE, Giebultowicz S, Chan B, Heintzman J. Healthcare Utilization for Asthma Exacerbation among Migrant and Seasonal Farmworker Children.

Lucas J, **Marino M**, Bailey SR, Hsu A, Datta R, Cottrell E, Kim YJ, Suglia S, Bazemore A, Heintzman J. Comparison of associations of household and neighborhood-level poverty markers with pediatric asthma care quality by race/ethnicity

Bailey SR, O'Malley J, Hartung DM, Huguet N, **Marino M**, Muench J. Analgesic methadone prescribing in community health centers among patients with chronic pain.

Wright B, O'Connor A, Fraher E, Frogner B, **Marino M**. Family Medicine Research: It's Now or Never.

Vasquez Guzman CE, Hodes T, Lucas J, **Marino M**, Banegas MP, Chan B, Parras D, Cottrell E, Kasten-Arias C, Heintzman J. Cervical Cancer Screening Rates in Older Latina Migrant Farmworkers and Non-Hispanic Whites.

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NON-PEER-
REVIEWED

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Marino M, Heintzman J. (2022) Randomized Trials in Primary Care: Becoming Pragmatic. *Annals of Family Medicine*, 20:201-202.

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BOOKS AND CHAPTERS

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National Academies of Sciences, Engineering, and Medicine. 2022. Building Data Capacity for Patient-Centered Outcomes Research: Interim Report 2–Data Standards, Methods, and Policy. Washington, DC: The National Academies Press. <https://doi.org/10.17226/26298>.

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)

Silver Family Innovation Fund

Principal Investigator

01/01/2023–12/31/2025

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 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

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

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 – 12/31/2024

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 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

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

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 Aging*Co-Investigator*

9/01/2018 – 5/30/2023

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

National Institute on Drug Abuse*Co-Investigator*

08/01/2018 – 04/30/2023

EPIde miology 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

American Cancer Society*Co-Investigator*

07/01/2018 – 06/30/2023

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 on Minority Health and Health Disparities*Co-Investigator*

04/01/2018 – 03/31/2022

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

National Institute of Diabetes and Digestive and Kidney Diseases*Co-Investigator*

06/01/2017 – 05/31/2022

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

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

GRANT FUNDING
(COMPLETED)**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 children's 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 forUnintended 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

WNAR IBS Council Member

2023 –

Committee Member, Census Bureau National Advisory Committee on
Racial, Ethnic and Other Populations

2022 –

Co-Chair, NIH Community Engagement Alliance (CEAL) Needs Assessment
& Evaluation Workgroup

2022 –

Co-Chair, ENAR Fostering Diversity in Biostatistics Workshop

2021 –

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 –

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
	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	Statistical editor for the <i>JAMA Health Forum</i>	2022 –
	Journal Referee, <i>Diabetes Care</i>	2021 –
	Journal Referee, <i>Journal of Health Care for the Poor and Underserved</i>	2021 –
	Journal Referee, <i>Medical Care</i>	2021 –
	Journal Referee, <i>JAMA Oncology</i>	2020 –
	Journal Referee, <i>Journal of Immigrant and Minority Health</i>	2020 –
	Journal Referee, <i>Cancer</i>	2019 –
	Journal Referee, <i>Journal of the American Board of Family Medicine</i>	2019 –
	Journal Referee, <i>Pain Medicine</i>	2018 –
	Journal Referee, <i>Preventive Medicine</i>	2018 –
	Journal Referee, <i>Pediatrics</i>	2018 –
	Journal Referee, <i>American Journal of Preventive Medicine</i>	2018 –
	Journal Referee, <i>Family Medicine</i>	2017 –
	Journal Referee, <i>Annals of Applied Statistics</i>	2016 –
	Journal Referee, <i>American Journal of Epidemiology</i>	2016 –
	Journal Referee, <i>Sleep Health</i>	2016 –
	Journal Referee, <i>Preventing Chronic Disease</i>	2016 –
	Statistical editor for the <i>Annals of Family Medicine</i>	2013 –2021
CONFERENCE AND INVITED TALKS	Conference on Statistical Practice, Nashville, TN [Virtual]	Feb 2021
	Advancing the Science of Cancer in Latinos, San Antonio, TX	Feb 2020
	North American Primary Care Research Group Meeting, Toronto, Canada	Nov 2019
	JSM, Denver, CO	July 2019
	WNAR of IBS, Portland, OR	June 2019
	Symposium on Data Science & Statistics, Bellevue, WA	June 2019
	BIRS workshop, Banff, Canada	February 2019
	North American Primary Care Research Group Meeting, Chicago, IL	Nov 2018
	Joint Statistical Meetings, Invited Session, Vancouver, Canada	July 2018
	AcademyHealth Annual Research Meeting, Seattle, WA	June 2018
	OHSU Knight Cancer Biostatistics Symposium, Portland, OR	May 2018
	Conference on Statistical Practice, Portland, OR	February 2018
	International Conference on Health Policy Statistics, Charleston, SC	January 2018
	North American Primary Care Research Group Meeting, Montreal, Canada	Nov 2017
	Western North American Region of The International Biometric Society Meeting, NM	June 2017

MENTE Latino Male Summit, Portland, OR	April 2017
ICSA International Conference, Shanghai, China	Dec 2016
North American Primary Care Research Group Meeting, Colorado Springs, CO	Nov 2016
American Medical Informatics Association Annual Symposium, San Francisco, CA	Nov 2015
North American Primary Care Research Group Meeting Contributed Talks, NY, NY	Nov 2014
Oregon Public Health Association, Epidemiologist Forum Invited talk, Portland, OR	May 2014
OHSU Institute of Environmental Health Seminar Invited Talk, Portland, OR	February 2014
Joint Statistical Meetings, Invited Session, Montreal, Canada	August 2013
OHSU Public Health and Preventive Medicine Grand Rounds Invited Talk, Portland, OR	April 2013
American Statistical Assoc. Oregon Chapter Winter Meeting Invited Talk, Portland, OR	Feb 2013
Oregon Health and Science University Family Medicine Invited Talk, Portland, OR	June 2012
Harvard School of Public Health Surveillance Working Group, Boston, MA	April 2012
Eastern North American Region Meetings, Washington, DC	April 2012
American Public Health Association Meetings, Denver, CO	November 2010
Joint Statistical Meetings, Vancouver, BC	August 2010
International Chinese Statistical Association Symposium, Indianapolis, IN	June 2010
New England Statistics Symposium, Cambridge, MA	April 2010
Eastern North American Region Meetings, New Orleans, LA	March 2010

BIOMEDICAL
PRESENTATIONS

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. Intra-cluster 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

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

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

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

Biostat 235: Regression and Analysis of Variance

Fall 2008

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

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

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 Perivaccination 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–). “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–). “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, L^AT_EX, BRB-ArrayTools, SaTScan