

Miguel Marino, PhD

CONTACT INFORMATION	Associate Professor Department of Family Medicine Division of Biostatistics, School of Public Health Oregon Health & Science University 3181 SW Sam Jackson Park Road, Mail code: FM Portland, OR 97239	office: 503-494-3233 Fax: 503-494-4496 marinom@ohsu.edu miguelmarino.com Twitter: @MmMiguelmM
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 vulnerable populations.	
EDUCATION	Harvard University , Boston, MA	
	<i>PhD, Biostatistics</i>	2011
	<ul style="list-style-type: none">• Advisor: Yi Li PhD, Professor of Biostatistics, currently at University of Michigan• Dissertation: Statistical Issues in Large-scale Community-based Studies	
	<i>AM, Biostatistics</i>	2008
	University of California , Los Angeles, CA	
	<i>MS, Biostatistics</i>	2006
	<i>BS, Mathematics/Applied Science</i>	2004
EXPERIENCE	Oregon Health & Science University , Portland, OR	
	<i>Associate Professor</i>	2018
	<i>Assistant Professor</i>	2012
	<ul style="list-style-type: none">• Department of Family Medicine• Division of Biostatistics, School of Public Health• Duties: Development of extramurally supported research related to family medicine, scholarship and leadership with others at OHSU, nationally and internationally. Provide services to further the University's and Department's mission of teaching, patient care, research and outreach.	
	Harvard School of Public Health , Boston, MA	
	<i>Yerby Postdoctoral Fellow</i>	2011
	<ul style="list-style-type: none">• Advisors: Marcello Pagano, PhD & Lisa Berkman, PhD	
	Dana Farber Cancer Institute , Boston, MA	
	<i>Consultant</i>	2010
	<ul style="list-style-type: none">• PI: Orfeu Buxton, PhD• Co-designed statistical section of R01 grant "Evaluating cardiometabolic and sleep health benefits of a workplace intervention"	
	<i>Consultant</i>	2009
	<ul style="list-style-type: none">• PI: Reginald Tucker-Seeley, ScD• Advised on analysis design in "Neighborhood Safety, Socioeconomic Status, and Physical Activity in Older Adults"	
	National Cancer Institute , Bethesda, MD	
	<i>Summer Intern</i>	2009
	<ul style="list-style-type: none">• Advisors: Michael M. Gottesman, MD and Jean-Pierre Gillet, PhD• Performed statistical analyses of high-throughput TaqMan-based qRT-PCR gene expression data• Identified differentially expressed genes between tissue types and assessed their usefulness in predicting multidrug resistance in clinical cancer samples	

AWARDS AND FELLOWSHIPS	National Academy of Medicine Emerging Leader in Health and Medicine Scholar	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. 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. *In press: Preventive Medicine.*
2. Angier H, Huguet N, Ezekiel-Herrera D, **Marino M**, Holderness H, Schmidt T, Green BB, DeVoe JE. (2021) New hypertension and diabetes diagnoses following the Affordable Care Act Medicaid expansion. *In press: Family Medicine and Community Health Journal.*
3. Heintzman J, Ezekiel-Herrera D, Bailey SR, Garg A, Lucas J, Suglia S, Cowburn S, Puro J, **Marino M**. (2020) Latino-White Disparities in ICD-coded Asthma Diagnosis among US Children. *In press: Journal of Asthma.*
4. Hoopes M, Voss R, Angier H, **Marino M**, Schmidt T, DeVoe JE, Soule J, Huguet N. (2020) Assessing cancer history accuracy in primary care electronic health records through cancer registry linkage. *In press: JNCI: Journal of the National Cancer Institute.*
5. Huguet N, Schmidt T, Larson A, O'Malley J, Hoopes M, Angier H, **Marino M**, DeVoe J. (2020) Prevalence of preexisting conditions among community health center patients with COVID-19: implications for the Affordable Care Act. *In press: Journal of the American Board of Family Medicine.*
6. **Marino M**, Lucas J, Latour E, Heintzman J. (2020) Missing data in primary care research: importance, implications and approaches. *In press: Family Practice.*
7. Brodt E, Valenzuela S, Empey A, Bruegl A, Spector D, **Marino M**, Carney PA. (2020) Measurement of American Indian and Alaska Native Racial Identity Among Medical School Applicants, Matriculants, and Graduates, 1996-2017. *In press: JAMA Network Open.*
8. Cohen D, Sweeney S, Miller W, Hall J, Miech E, Springer R, Balasubramanian B, Damschroder L, **Marino M**. (2020) The complex interplay between specific operational changes and local context when improving cardiovascular outcomes. *In press: Annals of Family Medicine.*
9. Ku JH, Henkle EM, Carlson KF, Marino M, Winthrop KL. (2020) The validity of diagnosis code-based Medicare Claims to identify pulmonary nontuberculous mycobacterial infection in U.S. patients with bronchiectasis. *In press: Emerging Infectious Diseases.*

10. 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. *In press: Social Science & Medicine*.
11. 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. *In press: Preventive Medicine*.
12. 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.
13. Olson R, Johnson P, Shea SA, **Marino M**, Rimby J, Womack K, Wang F, Springer R, Donovan C, Rice S. Advancing the Total Worker Health of Commercial Driving Teams Who Sleep in Moving Semi-Trucks: The Tech4Rest Pilot Study. *In press: Journal of Occupational and Environmental Medicine*.
14. Hatch B, Hoopes M, Darney BG, **Marino M**, Templeton AR, Schmidt T, Cottrell E. Impacts of the Affordable Care Act on receipt of women's preventive services in community health centers in Medicaid expansion and non-expansion states. *In press: Women's Health Issues*.
15. **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.
16. DeVoe JE, Likumahwa-Ackman S, Angier HE, Huguet N, Cohen DJ, Flocke S, **Marino M**, Gold R. (2020) Evaluating Primary Care's Response to COVID-19 in a PBRN of Community Health Centers. *In press: Journal of the American Board of Family Medicine*.
17. 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. *In press: Nicotine & Tobacco Research*.
18. 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.
19. 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. *Health Affairs*, 39(7):1194-1201.
20. 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.
21. 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. *In press: Cancer*.
22. 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 National Network of Low-Income Children. *In press: Journal of the American Board of Family Medicine*.
23. 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. *In press: American Journal of Preventive Medicine*.
24. 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? *In press: Annals of Epidemiology*.

25. 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.
26. 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.
27. 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.
28. 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.
29. **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.
30. 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.
31. 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.
32. Cottrell E, Dambrun K, Cowburn S, Mossman N, Bunce A, **Marino M**, Krancari M, Gold R. (2019) Variation in EHR Documentation of Social Determinants of Health across a National Network of Community Health Centers. *American Journal of Preventive Medicine*, 57(6):S65-73.
33. Heintzman J, **Marino M**. (2019) Race and Ethnicity Data in Research. *JAMA*, 321(12):1217-1218.
34. Huguet N, Valenzuela S, **Marino M**, Angier H, Hatch B, Hoopes M, DeVoe J. (2019) Following uninsured patients through Medicaid Expansion: ambulatory care use and diagnosed conditions. *Annals of Family Medicine*, 17(4):336-44.
35. Heintzman J, Cottrell E, Angier H, O'Malley J, Bailey S, Jacob L, DeVoe J, Ukhanova M, Thayer E, **Marino M**. (2019) Impact of alternative payment methodology on primary care visits and scheduling. *Journal of the American Board of Family Medicine*, 32(4):539-49.
36. Lindner S, Solberg L, Miller W, Balasubramanian B, **Marino M**, McConnell KJ, Edwards S, Stange K, Springer R, Cohen D. (2019) Does Ownership Make a Difference in Primary Care Practice? *Journal of the American Board of Family Medicine*, 32(3):398-407.
37. Huguet N, Angier H, Rdesinski R, Hoopes M, **Marino M**, Holderness H, DeVoe J. (2019) Cervical and colorectal cancer screening prevalence before and after Affordable Care Act Medicaid expansion. *Preventive Medicine*, 124:91-97.
38. Hatch B, Tillotson C, Huguet N, Hoopes M, **Marino M**, DeVoe J. (2019) Use of a preventive index to examine clinic factors associated with delivery of preventive care. *American Journal of Preventive Medicine*, 57(2):241-9.
39. Boone-Heinonen J, Tillotson C, O'Malley JP, **Marino M**, Andrea S, Brickman A, DeVoe J, Puro J. (2019) Not so implausible: impact of longitudinal assessment of implausible anthropometric measures on obesity prevalence and weight change in children and adolescents. *Annals of Epidemiology*, 31:69-74.

40. Springer R, **Marino M**, Bailey S, Angier H, O'Malley J, Hoopes M, Lindner S, DeVoe J, Huguet N. (2019) Prescription Opioid Use Patterns, Use Disorder Diagnoses, and Addiction Treatment Receipt after the 2014 Medicaid Expansion in Oregon. *Addiction*, 114(10):1775-84.
41. Holderness H, Angier H, Huguet N, O'Malley JP, **Marino M**, Springer R, DeVoe J. Where do Oregon Medicaid Enrollees Seek Outpatient Care Post Affordable Care Act Medicaid Expansion? *Medical Care*, 57(10):788-94.
42. Sullivan DR, Chan B, Lapidus LA, Ganzini L, Hansen L, Carney P, Fromme EK, **Marino M**, Golden SE, Vranas K, Slatore CG. (2019) Early Palliative Care Utilization and Associations with Survival and Place of Death among Patients with Advanced Lung Cancer. *JAMA Oncology*, 5(12):1702-9.
43. Bailey SR, **Marino M**, Ezekiel-Herrera D, Schmidt T, Angier H, Hoopes MJ, DeVoe JE, Heintzman J, Huguet N. (2019) Tobacco Cessation in Affordable Care Act Medicaid Expansion States versus Non-Expansion States. *In press: Nicotine & Tobacco Research*.
44. Hoopes M, Schmidt T, Huguet N, Winters-Stone K, Angier H, **Marino M**, Shannon J, DeVoe J. (2019) Identifying and characterizing cancer survivors in the US primary care safety-net. *Cancer*, 125(19):3448-56.
45. Huguet N, Angier H, Hoopes MJ, **Marino M**, Heintzman J, Schmidt T, DeVoe JE. (2019) Assessing the prevalence of pre-existing conditions among community health center patients. *Journal of the American Board of Family Medicine*, 32(6):883-9.
46. Gold R, Bunce A, Cottrell E, **Marino M**, Middendorf M, Cowburn S, Wright D, Mossman N, Dambrun K, Powell B, Grub I, Gottlieb L, Dearing M, Scott J, Yosuf N, Krancari M. (2019) A Pragmatic, Stepped-Wedge Trial of Tailored Support for Implementing Social Determinants of Health Documentation / Action in Community Health Centers. *Implementation Science*, 14(1):9.
47. Angier H, Huguet N, **Marino M**, Green B, Holderness H, Gold R, Hoopes M, DeVoe J. (2019) An Observational Study Protocol for Evaluating Control of Hypertension and the Effects of Social Determinants. *BMJ Open*, 9(3):e025975.
48. Carney P, Hatch B, Stock I, Dickinson C, Davis M, Larsen R, Valenzuela S, **Marino M**, Darden PM, Gunn R, Ferrara L, Fagnan LJ. (2019) A stepped-wedge cluster randomized trial designed to improve completion of HPV vaccine series and reduce missed opportunities to vaccinate in rural primary care practices. *Implementation Science*, 14(1):30.
49. Cottrell E, Darney BG, **Marino M**, Templeton AR, Jacob L, Hoopes M, Rodriguez M, Hatch B. (2019) Study protocol: a mixed-methods study of women's health care in the safety net after Affordable Care Act implementation – EVERYWOMAN. *Health Research Policy and Systems*, 17(1):58.
50. Eiff MP, Ericson A, Waller Uchison E, Valenzuela S, **Marino M**, Mitchell K, Carney PA. (2019) A comparison of residency applications and match performance in 3 year versus 4 year family medicine training programs. *Family Medicine*, 51(8):641-648.
51. Heintzman J, Kaufmann J, Ezekiel-Herrera D, Bailey SR, Cornell A, **Marino M**. (2019) Asthma COPD Disparities in Diagnosis and Basic Care Utilization Among Low-Income Primary Care Patients. *Journal of Immigrant and Minority Health*, 21(3):659-63.
52. Angier H, Ezekiel-Herrera D, **Marino M**, Hoopes M, Jacobs E, DeVoe JE, Huguet N. (2019) Racial/Ethnic Disparities in Health Insurance and Differences in Visit Type for Patients with Diabetes after Medicaid Expansion. *Journal of Health Care for the Poor and Underserved*, 30(1):116.
53. **Marino M**, Angier H, Valenzuela S, Hoopes M, Killerby M, Blackburn B, Huguet N, Heintzman J, Hatch B, O'Malley J, DeVoe JE. (2018) Medicaid Coverage Accuracy in Electronic Health Records. *Preventive Medicine Reports*, 11:297-304.

54. Edwards S, **Marino M**, Balasubramanian B, Solberg LI, Valenzuela S, Springer R, Stange KC, Miller WL, Kottke TE, Perry CK, Ono S, Cohen DJ. (2018) Burnout among physicians, advanced practice clinicians and staff in smaller primary care practices. *Journal of General Internal Medicine*, 33(12):2138-46.
55. Olson R, Hess JA, Parker KN, Thompson SV, Rameshbabu A, Rhoten KL, **Marino M**. (2018) From research-to-practice: An adaptation and dissemination of the COMPASS program for home care workers. *International Journal of Environmental Research and Public Health*, 15(12):2777.
56. Huguet N, Springer R, **Marino M**, Angier H, Hoopes M, Holderness H, DeVoe JE. (2018) The impact of the Affordable Care Act (ACA) Medicaid expansion on visit rates for diabetes in safety net health centers. *Journal of the American Board of Family Medicine*, 31(6):905-16.
57. Andrea S, Messer L, **Marino M**, Boone-Heinonen. (2018) Associations of tipped and untipped service work with poor mental health in a nationally representative cohort of adolescents followed into adulthood. *American Journal of Epidemiology*, 187(10):2177-2185.
58. Bailey SR, Heintzman J, Jacob RL, Puro J, **Marino M**. (2018) Disparities in Smoking Cessation Assistance in US Primary Care Clinics. *American Journal of Public Health*, 108(8):1082-1090.
59. Hoopes M, Angier H, Raynor L, Suchocki A, Muench J, **Marino M**, Rivera P, Huguet N. (2018) Development of an algorithm to link electronic health record prescriptions with pharmacy dispense claims. *Journal of the American Medical Informatics Association*, 25(10):1322-30.
60. **Marino M**, Pagano M. (2018) Role of survey response rates on valid inference; an application to HIV prevalence estimates. *Emerging Themes in Epidemiology*, 15(1):6.
61. Cohen DJ, Dorr D, Knierim K, DuBard CA, Hemler J, Hall JD, **Marino M**, Solberg L, McConnell KJ, Nichols LM, Nease D, Edwards ST, Wu W, Pham-Singer H, Kho A, Phillips RL, Rasmussen LV, Duffy FD, Balasubramanian BA. (2018) Primary Care Practices' Abilities and Challenges In Using Electronic Health Record Data for Quality Improvement. *Health Affairs*, 37(4):635-643.
62. Springer R, **Marino M**, O'Malley J, Lindner S, Huguet N, DeVoe J E. (2018) Oregon Medicaid Expenditures After the 2014 Affordable Care Act Medicaid Expansion: Over-time Differences Among New, Returning, and Continuously Insured Enrollees. *Medical Care*, 56(5):394-402.
63. DeVoe JE, Hoopes M, Nelson C, Cohen DJ, Sumic A, Hall J, Angier H, **Marino M**, O'Malley JP, Gold R. (2018) Electronic Health Record Tools to Assist with Children's Insurance Coverage: A Mixed Methods Study. *BMC Health Services Research*, 18(1):354.
64. Deyo R, Hallvik S, Hildebran C, **Marino M**, O'Kane N, Carson J, Van Otterloo, Wright D, Millet L, Wakeland W. (2018) Use of Prescription Opioids before and After an Operation for Chronic Pain (Lumbar Fusion Surgery). *Pain*, 159(6):1147-1154.
65. DeVoe JE, Mochizuki M, Likumahuwa-Ackman S, Han H, Huguet N, Heintzman J, **Marino M**, Bailey SR, Angier HE, Yamashita D. (2018) Family Medicine, Big Data, and Community Laboratories. *JADECOM Journal*, 32(1) 17-26.
66. Heintzman J, Hatch B, Coronado G, Ezekiel D, Cowburn S, Escamilla-Sanchez O, **Marino M**. (2018) Role of Race/Ethnicity, Language, and Insurance in Use of Cervical Cancer Prevention Services Among Low-Income Hispanic Women, 2009–2013. *Preventing Chronic Disease*, 15:E25.
67. Deyo R, Hallvik S, Hildebran C, **Marino M**, Springer R, Irvine J, O'Kane N, Van Otterloo J, Wright D, Leichtling G, Millet L, Carson J, Wakeland W, McCarty D. (2018) Association of Prescription Drug Monitoring Program use with Opioid Prescribing and Health Outcomes: A Comparison of Program users and Non-users. *Journal of Pain*, (19)2:166-177.
68. Balasubramanian BA, **Marino M**, Cohen DJ, Ward RL, Preston A, Springer RJ, Lindner SR, Edwards S, McConnell KJ, Crabtree BF, Miller WL, Stange KC, Solberg LI. (2018) Use of Quality Improvement Strategies Among Small to Medium-Size US Primary Care Practices. *Annals of Family Medicine*, 16:S35-S43.

69. Yeager L, Valenzuela S, **Marino M**, Carney PA. (2018) An Observational Study of the Impact of Attendance on Pre-Clinical Undergraduate Medical Education Performance. *Educational Research Applications: ERCA-141*.
70. Buxton OM, Lee S, **Marino M**, Beverly C, Almeida D, Berkman L. (2018) Sleep Health and Predicted Cardiometabolic Risk Scores In Employed Adults from Two Industries. *Journal of Clinical Sleep Medicine*, 14(3):371-383.
71. Hurtado DA, Dumet LM, Greenspan SA, **Marino M**, Bernard K. (2018) Precarious schedules linked with workplace aggression in a high-risk occupation. *American Journal of Industrial Medicine*, 61(2):181-185.
72. **Marino M**, Buxton O, Li Y. (2017) Covariate Selection for Multilevel Models with Missing Data. *Stat*, 6(1):31-46.
73. Hatch B, **Marino M**, Killerby M, Angier H, Bailey SR, Heintzman J, O'Malley JP, Devoe JE. (2017) Medicaid's impact on chronic disease biomarkers, a cohort study of community health center patients. *Journal of General Internal Medicine*, 32(8):940-947.
74. Lyren A, Brill R, Zieker K, **Marino M**, Muething S, Sharek PJ. (2017) Children's Hospitals' Solutions for Patient Safety Collaborative Impact on Hospital-Acquired Harm. *Pediatrics*, 140(3):e20163494.
75. Jacobs J, **Marino M**, Edelman A, Jensen J, Darney B. Mass Media Exposure and Modern Contraceptive Use Among Married West African Adolescents. (2017) *The European Journal of Contraception and Reproductive Health Care*, 22(6):1-11.
76. Angier H, Tillotson CJ, Wallace LS, **Marino M**, O'Malley JP, Sumic A, Baker L, Nelson C, Huguet N, Suchocki A, Holderness H, DeVoe JE. A Cohort Study of Public Health Insurance Coverage Loss among Oregon Adolescents. *Journal of Health Disparities Research and Practice*, 11(1):6.
77. Huguet N, Angier H, **Marino M**, McConnell J, Hoopes M, O'Malley J, Raynor L, Likumahuwa-Ackman S, DeVoe J. (2017) Protocol for the Analysis of a Natural Experiment on the Impact of the Affordable Care Act on Diabetes Care in Community Health Centers. *Implementation Science*, 12(1):14.
78. Bailey SR, Heintzman J, **Marino M**, Jacob L, Puro J, DeVoe JE, Burdick T, Hazlehurst B, Cohen DJ, Fortmann SP. (2017) Smoking cessation assistance: Before and after Stage 1 Meaningful Use implementation. *American Journal of Preventive Medicine*, 53(2):192-200.
79. Angier H, Hoopes M, **Marino M**, Huguet N, Jacobs EA, Heintzman J, Holderness H, Hood C, DeVoe JE. Uninsured Primary Care Visit Disparities Under the Affordable Care Act. *Annals of Family Medicine*, 15(5):434-442.
80. **Marino M**, Li Y. (2017) Factor Analysis of Correlation Matrices When the Number of Random Variables Exceeds the Sample Size. *Statistical Theory and Related Fields*, 1(2):246-256.
81. Huguet N, Hoopes MJ, Angier H, **Marino M**, Holderness H, DeVoe JE. (2017) Medicaid expansion produces long-term impact on insurance coverage rates in community health centers. *Journal of Primary Care and Community Health*, 8(4):206-212.
82. Heintzman J, Bailey S, Muench J, Killerby M, Cowburn S, **Marino M**. (2017) Lack of Lipid Screening Disparities in Obese Latino Adults at Health Centers. *American Journal of Preventive Medicine*, 52(6): 805-809.
83. Heintzman J, Bailey S, Devoe J, Cowburn S, Kapka T, Dong T, **Marino M**. (2017) In Low-Income Latino Patients, Post-Affordable Care Act Insurance Disparities May be Reduced Even More Than Broader National Estimates: Evidence from Oregon. *Journal of Racial and Ethnic Health Disparities*, 4(3):329-336.

84. Angier H, Huguet N, **Marino M**, Mori M, Winters-Stone K, Shannon J, Raynor L, Holderness H, DeVoe JE. (2017) Assessing Community Cancer care after insurance ExpanSionS (ACCESS) Study Protocol. *Contemporary Clinical Trials Communications*, 7:136-140.
85. Waller E, Eiff MP, Dexter E, Rinaldo J, **Marino M**, Garvin RD, Douglass A, Phillips R, Green LA, Carney PA. (2017) Impact of Residency Training Redesign on Residents' Clinical Knowledge. *Family Medicine*, 49(9):693-698.
86. Onishi E, Kobayashi T, Dexter E, **Marino M**, Maeno T, Deyo R. (2017) Comparison of Opioid Prescribing Patterns in the United States and Japan: Primary Care Physicians' Attitudes and Perceptions. *Journal of the American Board of Family Medicine*, 30(2): 248-254.
87. Martin A, **Marino M**, Killerby M, Rosselli-Risal L, Isom K, Robinson M. (2017) Impact of Spanish-Language Information Sessions on Spanish-Speaking Patients Seeking Bariatric Surgery. *Surgery for Obesity and Related Disease*, 13(6):1025-1031.
88. Carney PA, Waller E, Dexter E, **Marino M**, Morton K, Green L, Fogarty CT, Jones S, Eiff MP. (2017) Team Training in Family Medicine Residency Programs and Its Impact on Team-based Practice Post-Graduation. *Family Medicine*, 49(5):346-352.
89. Eiff MP, Green LA, Jones G, Devlaeminck AV, Waller E, Dexter E, **Marino M**, Carney PA. (2017) Varied rates of implementation of patient-centered medical home features and residents' perceptions of their importance based on practice experience. *Family Medicine*, 49(3):183-192.
90. Angier H, O'Malley JP, **Marino M**, McConnell KJ, Cottrell, E, Jacob RL, Likumahuwa-Ackman S, Heintzman J, Huguet N, Bailey SR, DeVoe JE. (2017) Evaluating Community Health Centers' Adoption of a New Global Capitation Payment (eCHANGE) Study Protocol. *Contemporary Clinical Trials*, 52:35-38.
91. Deyo R, Hallvik S, Hildebran C, **Marino M**, Dexter E, Irvine J, O'Kane N, Van Otterloo J, Wright D, Leichtling G, Millet L. (2017) Association of initial opioid prescribing patterns and subsequent long-term use among opioid-naive patients: a statewide retrospective cohort study. *Journal of General Internal Medicine*, 32(1):21-27.
92. **Marino M**, Bailey S, Gold R, Hoopes M, O' Malley JP, Huguet N, Heintzman J, Gallia C, McConnell KJ, DeVoe JE. (2016) Receipt of Preventive Services after Oregon's Randomized Medicaid Experiment. *American Journal of Preventive Medicine*, 50(2):161-170.
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Lucas JA, **Marino M**, Giebultowicz S, Fankhauser K, Suglia SF, Bailey SR, Bazemore A, Heintzman J. Social Deprivation and Residential Mobility on Asthma Care Utilization.

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Gemelas J, **Marino M**, Valenzuela S, Schmidt T, Suchocki A, Huguet N. Changes in Prescription Patterns for Diabetes following Affordable Care Act Medicaid Expansion.

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Huguet N, Larson A, Angier H, **Marino M**, Green BB, Moreno L, DeVoe JE. Rate of Undiagnosed hypertension and unprescribed anti-hypertensive medication among low-income patients following the Affordable Care Act.

Edwards ST, **Marino M**, Solberg LI, Damschroder L, Stange KC, Kottke TE, Balasubramanian B, Springer R, Perry C, Cohen D. Cultural and structural features of burnout-free primary care practices.

Heintzman J, Kauffman J, Bailey S, Lucas J, Suglia S, Puro J, Giebultowicz S, Ezekiel-Herrera D, **Marino M**. Asthma Care Quality in Foreign-Born Latino Children in the United States.

Kaufmann J, **Marino M**, Lucas J, Bailey S, Giebultowicz S, Puro J, Ezekiel-Herrera D, Suglia S, Heintzman J. Differing Patterns of Acute Care Utilization for Childhood Asthma Among Black and Latinx Children.

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Haley AD, Powell BJ, Walsh-Bailey C, Gruss I, Krancari M, Shea CM, Bunce A, **Marino M**, Frerichs L, Lich KH, Gold R. Strengthening methods for tracking modifications to implementation strategies.

Blackburn B, Angier H, **Marino M**, Valenzuela S, O'Malley JP, Cottrell E, Dambrun K, DeVoe JE, Heintzman J. The Effect of Capitated Payment on Healthcare Utilization in Oregon.

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Angier H, Huguet N, Ezekiel D, **Marino M**, DeVoe JE. National Trends in Health Insurance Type and Characteristics of non-employer-sponsored private insurance, 2013 to 2016.

Ronk CJ, Dennerlein JT, Hoffman E, Lombardi DA, **Marino M**, Perry MJ. A Cluster-Randomized Trial with General Construction Superintendents to Mitigate Stepladder-Related Fall Hazards.

Lucas JA, **Marino M**, Fankhauser K, Bazemore A, Giebultowicz S, Cowburn S, Kaufmann J, Ezekiel-Herrera D, Heintzman J. The Role of Social Deprivation in Pediatric Asthma Care.

Marino M, Kaufmann J, Ezekiel-Herrera D, Cottrell E, Hoopes M, Gold R. Screening for Social Determinants of Health in Community Health Centers: a Natural Experiment.

NON-PEER-
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Hoopes M, Schmidt T, Huguet N, Winters-Stone K, Angier H, **Marino M**, Shannon J, DeVoe J. (2019) Response to "Incurable cancer as a separate group of survivors for the primary care setting". *In press: Cancer*.

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GRANT FUNDING
(ONGOING)

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 PI*

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; 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*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

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 – 5/30/2023

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

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 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 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 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 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

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 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

GRANT FUNDING
(COMPLETED)**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 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 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

BIOMEDICAL
PRESENTATIONS

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	<p>Instructor, Oregon Health and Science University</p> <p><i>Courses for integrated clinical and translational research education program</i></p> <p>HIP528: Applied Biostatistics I Winter 2014–2020</p> <p>HIP529: Applied Biostatistics II Spring 2014–2020</p> <p>Instructor, Harvard Department of Biostatistics</p> <p><i>Course for MPH students across departments in HSPH</i></p> <p>BIO 203: Principles of Biostatistics II Summer 2012</p> <p>ID 538: Foundations in Public Health Fall 2011</p> <p><i>Introductory course for the summer program in quantitative science</i></p> <p>Summer Course in Biostatistics Summer 2010, 2011</p> <p>Head Teaching Assistant, Harvard Department of Biostatistics</p> <p><i>Course for biomedical and social science MPH students and Masters students in Biostatistics</i></p> <p>Biostat 210: The Analysis of Rates and Proportions Spring 2009</p> <p>Teaching Assistant, Harvard Department of Biostatistics</p> <p><i>Advanced Course in analysis of linear models for PhD biostatistics students</i></p> <p>Biostat 235: Regression and Analysis of Variance Fall 2008</p> <p><i>Course for biomedical and social science MPH students and Masters students in Biostatistics</i></p> <p>Biostat 202: Principles of Biostatistics Summer 2010</p> <p>ID 538: Foundations in Public Health Fall 2009, Fall 2010</p> <p>Biostat 210: The Analysis of Rates and Proportions Spring 2008</p> <p>Biostat 206: Introductory Statistics for Medical Research Summer 2008</p> <p>Biostat 207: Statistics for Medical Research II Summer 2008</p> <p>Teaching Assistant, University of California, Los Angeles</p> <p><i>Course for biomedical and social science MPH students and Masters students in Biostatistics</i></p> <p>Biostat 100A: Introduction to Biostatistics I Summer 2005</p> <p>Biostat 100B: Introduction to Biostatistics II Winter 2006</p> <p>Biostat 403A: Analysis of Health Data Using SAS Fall 2005</p> <p>Biostat 406 : Applied Multivariate Statistics Spring 2006</p>
PROFESSIONAL MEMBERSHIPS	<p>American Public Health Association</p> <p>Eastern North American Region, International Biometric Society</p> <p>Western North American Region, International Biometric Society</p> <p>Institute of Mathematical Statistics</p> <p>American Statistical Association</p> <p>North American Primary Care Research Group</p>
PROFESSIONAL ACTIVITIES & SERVICE	<p>Co-Chair, ENAR Fostering Diversity in Biostatistics Workshop 2021 –</p> <p>Committee Member, National Academies of Medicine Building Data Capacity for Patient-Centered Outcomes Research: An Agenda for 2021 to 2030 2021 –2021</p> <p>Planning Committee, ENAR Fostering Diversity in Biostatistics Workshop 2019 –2021</p> <p>Publications Officer, Health Policy Statistics Section of the ASA 2019 –</p> <p>Evaluation Subcommittee Member, Advisory Committee on Continuation Education (ASA) 2018 –</p> <p>Oversight Advisory Committee Member, American Heart Association SFRN on AFib 2018 –</p> <p>PCORI & American Heart Association Study Section 2018 –</p> <p>WNAR, Representative-at-large 2017 –</p> <p>PCORI Study Section, Pragmatic Clinical Studies to Evaluate Patient-Centered Outcomes 2017 –</p> <p>President, American Statistical Association Oregon Chapter 2017 – 2018</p> <p>NIH Study Section, Fellowships: Risk, Prevention, and Health Behavior 2016 –</p> <p>Committee Member, CA CTSA Data Analysis curriculum for Community Researchers 2016 –</p>

	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	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 –
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

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–). “Treatment Patterns and Outcomes of Pulmonary Nontuberculous Mycobacterial Disease due to Mycobacterium Avium Complex in U.S. Medicare Beneficiaries with Bronchiectasis ”.

TECHNICAL
SKILLS

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