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Professional and Research Experience

Research Associate III, Group Health Research Institute, Seattle, Washington, 2009-present
Research Scientist 4 (Epidemiologist), Collaborative Health Studies Coordinating Center, Department of Biostatistics, University of Washington, Seattle, Washington, 1999-2009
Research Associate, Weiss-Daling Studies (Cancer Epidemiology), Fred Hutchinson Cancer Research Center, Seattle, Washington, 1996-1999
Research Assistant, Alzheimer's Disease Studies, Department of Epidemiology, University of Washington, Seattle, Washington, 1993-1996
Research Assistant / Project Coordinator, Stanford Alzheimer's Center, Department of Psychiatry and Behavioral Sciences, Stanford University School of Medicine, Stanford, California, 1990-1993

Education

PhD, Epidemiology, University of Washington, 1999
MS, Epidemiology, University of Washington, 1995
AB, Human Biology (self-designed program: Health, Disease, and Populations), Stanford University, 1991

Publications

1. Kukull WA, Larson EB, Bowen JD, McCormick WC, Teri L, Pfanschmidt M, Thompson JD, **O'Meara ES**, Brenner DE, van Belle G. Solvent exposure as a risk factor for Alzheimer's disease: A case-control study. *Am J Epidemiol.* 1995;141(11):1059-71.
2. Kukull WA, Schellenberg GD, Bowen JD, McCormick WC, Yu C-E, Teri L, Thompson JD, **O'Meara ES**, Larson EB. Apolipoprotein E in Alzheimer's disease risk and case detection: A case-control study. *J Clin Epidemiol.* 1996;49:1143-8.
3. Larson EB, Edwards JK, **O'Meara E**, Nochlin D, Sumi SM. Neuropathologic diagnostic outcomes from a cohort of outpatients with suspected dementia. *J Gerontol A Biol Sci Med Sci.* 1996;51A(6):M313-8.
4. **O'Meara ES**, Kukull WA, Schellenberg GD, Bowen JD, McCormick WC, Teri L, Pfanschmidt M, Thompson JD, Larson EB. Alzheimer's disease and history of blood transfusion by apolipoprotein E genotype. *Neuroepidemiology.* 1997;16:86-93.

5. **O'Meara ES**, Kukull WA, Sheppard L, Bowen JD, McCormick WC, Teri L, Pfanschmidt M, Thompson JD, Schellenberg GD, Larson EB. Head injury and risk of Alzheimer's disease by apolipoprotein E genotype. *Am J Epidemiol*. 1997;146(5):373-84.
6. Engel LS, **O'Meara ES**, Schwartz SM. Maternal occupation in agriculture and risk of limb defects in Washington State, 1980-1993. *Scand J Work Environ Health*. 2000;26(3):193-8.
7. **O'Meara ES**, Rossing MA, Daling JR, Elmore JG, Barlow WE, Weiss NS. Hormone replacement therapy after a diagnosis of breast cancer in relation to recurrence and mortality. *J Natl Cancer Inst*. 2001;93:754-62.
8. Johnston SC, **O'Meara ES**, Manolio TA, Lefkowitz D, O'Leary DH, Goldstein S, Carlson MC, Fried LP, Longstreth WT Jr. Cognitive impairment and decline are associated with carotid artery disease in patients without clinically evident cerebrovascular disease. *Ann Intern Med*. 2004 Feb 17;140(4):237-47.
9. Elkins JS, **O'Meara ES**, Longstreth WT Jr, Carlson MC, Manolio TA, Johnston SC. Stroke risk factors and loss of high cognitive function. *Neurology*. 2004 Sep 14;63(5):793-9.
10. **O'Meara ES**, White M, Siscovick DS, Lyles MF, Kuller LH. Hospitalization for Pneumonia in the Cardiovascular Health Study: Incidence, Mortality, and Influence on Longer-term Survival. *J Am Geriatr Soc* 2005, Jul;53(7):1108-16.
11. Pearte CA, Furberg CD, O'Meara ES, Psaty BM, Kuller L, Powe N, Manolio T. Characteristics and baseline clinical predictors of future fatal versus nonfatal coronary heart disease events in older adults: the Cardiovascular Health Study. *Circulation*. 2006 May 9;113(18):2177-85.
12. Sullivan MD, **O'Meara ES**. Heart failure at the end of life: symptoms, function, and medical care in the Cardiovascular Health Study. *Am J Geriatr Cardiol*. 2006 Jul-Aug;15(4):217-25.
13. Van der Hagen PB, Folsom AR, Jenny NS, Heckbert SR, **O'Meara ES**, Reich LM, Rosendaal FR, Cushman M. Subclinical atherosclerosis and the risk of future venous thrombosis in the Cardiovascular Health Study. *J Thromb Haemost*. 2006 Sep;4(9):1903-8.
14. Auchincloss AH, Diez Roux AV, Brown DG, **O'Meara ES**, Raghunathan TE. Association of Insulin Resistance with Distance to Wealthy Areas: The Multi-Ethnic Study of Atherosclerosis. *Am J Epidemiol*. 2007 165: 389-397.
15. Shiffman D, **O'Meara ES**, Bare LA, Rowland CM, Louie JZ, Arellano AR, Lumley T, Rice K, Iakoubova O, Luke MM, Young BA, Malloy MJ, Kane JP, Ellis SG, Tracy RP, Devlin JJ, Psaty BM. Association of Gene Variants with Incident Myocardial Infarction in the Cardiovascular Health Study. *Arterioscler Thromb Vasc Biol*. 2008;28:173-179.
16. Diehr P, **O'Meara ES**, Fitzpatrick A, Newman AB, Kuller L, Burke G. Weight, mortality, years of healthy life and active life expectancy in older adults. *J Am Geriatr Soc*. 2008 Jan;56(1):76-83.
17. Olson N, **O'Meara ES**, Jenny NS, Folsom AR, Bovill EG, Furberg C, Heckbert SR, Psaty BM, Cushman M: Lipoprotein-associated phospholipase A₂ and risk of venous thrombosis in older adults. *Am J Hematol* 2008 Jul;83(7):524-7.
18. Fornage M, Chiang YA, **O'Meara ES**, Psaty BM, Reiner AP, Siscovick DS, Tracy RP, Longstreth WT Jr. Biomarkers of Inflammation and MRI-Defined Small Vessel Disease of the Brain. The Cardiovascular Health Study. *Stroke*. 2008 Jul;39(7):1952-9.
19. Mair C, Diez Roux AV, Shen MW, Echeverria S, Shea S, **O'Meara ES**, Seeman T. Cross-Sectional and Longitudinal Associations of Neighborhood Cohesion and Stressors with Depressive Symptoms in the Multiethnic Study of Atherosclerosis. *Ann Epidemiol*. 2009;19(1):49-57.
20. Luke MM, **O'Meara ES**, Rowland C, Shiffman D, Bare LA, Arellano AR, Longstreth WT Jr, Lumley T, Rice K, Tracy RP, Devlin JJ, Psaty BM. Gene Variants Associated With Ischemic Stroke: the Cardiovascular Health Study. *Stroke*. 2009 Feb;40(2):363-8.

21. Lemelin ET, Diez Roux AV, Franklin TG, Carnethon M, Lutsey PL, Ni H, **O'Meara E**, Shrager S. Life-course socioeconomic positions and subclinical atherosclerosis in the multi-ethnic study of atherosclerosis. *Soc Sci Med*. 2009;68(3):444-451.
22. Fitzpatrick AL, Kuller LH, Lopez OL, Diehr P, **O'Meara ES**, Longstreth Jr WT, Luchsinger J. Mid- and Late-Life Obesity and the Risk of Dementia: Cardiovascular Health Cognition Study. *Arch Neurol*. 2009 Mar;66(3):336-42.
23. Cappola AR, **O'Meara ES**, Guo W, Bartz TM, Fried LP, Newman AB. Trajectories of Dehydroepiandrosterone Sulfate Predict Mortality in Older Adults: The Cardiovascular Health Study. *J Gerontol A Biol Sci Med Sci*. 2009 Dec;64(12):1268-74.
24. Cushman M, **O'Meara ES**, Folsom AR, Heckbert SR. Coagulation Factors IX through XIII and the Risk of Future Venous Thrombosis: the Longitudinal Investigation of Thromboembolism Etiology. *Blood* 2009;114:2878-83.
25. Mukamal KJ, Pai JK, **O'Meara ES**, Tracy RP, Psaty BM, Kuller LH, Newman AB, Yende S, Curhan GC, Siscovick DS, Rimm EB. CRP Gene Variation and Risk of Community-Acquired Pneumonia in Two Prospective Cohort Studies. *Respirology*. 2010 Jan;15(1):160-4.
26. Mukamal KJ, Ghimire S, Pandey R, **O'Meara ES**, Gautam S. Antihypertensive Medications and Risk of Community-Acquired Pneumonia. *J Hypertens*. 2010 Feb;28(2):401-5.
27. Snitz BE, **O'Meara ES**, Carlson MC, Arnold AM, Ives DG, Rapp SR, Saxton J, Lopez OL, Dunn LO, Sink KM, DeKosky ST; Ginkgo Evaluation of Memory (GEM) Study Investigators. Ginkgo biloba for preventing cognitive decline in older adults: a randomized trial. *JAMA*. 2009 Dec 23;302(24):2663-70.
28. Murray ET, Diez Roux AV, Carnethon M, Lutsey PL, Ni H, **O'Meara ES**. Trajectories of Neighborhood Poverty and Associations with Subclinical Atherosclerosis and Associated Risk Factors: The Multi-Ethnic Study of Atherosclerosis. *Am J Epidemiol*. 2010 May 15;171(10):1099-108.
29. Kumar R, Seibold MA, Aldrich MC, Williams LK, Reiner AP, Colangelo L, Galanter J, Gignoux C, Hu D, Sen S, Choudhry S, Peterson EL, Rodriguez-Santana J, Rodriguez-Cintron W, Nalls MA, Leak TS, **O'Meara E**, Meibohm B, Kritchevsky SB, Li R, Harris TB, Nickerson DA, Fornage M, Enright P, Ziv E, Smith LJ, Liu K, González Burchard E. Genetic Ancestry in Lung Function Predictions. *N Engl J Med*. 2010 Jul 22;363(4):321-30.
30. Aguilar MI, **O'Meara ES**, Seliger S, Longstreth WT, Hart RG, Pergola PE, Shlipak MG, Katz R, Sarnak MJ, Rifkin DE. Albuminuria and the Risk of Incident Stroke and Stroke Types in Older Adults. *Neurology*, 2010 Oct 12; 75(15):1343-50.
31. Zakai NA, Lange L, Longstreth WT Jr, **O'Meara ES**, Kelley JL, Fornage M, Nickerson D, Cushman M, Reiner AP. Association of Coagulation and Inflammation Related Genes and Factor VIIc Levels with Stroke: The Cardiovascular Health Study. *J Thromb Haemost* 2011; 9: 267-74.
32. Elkind MSV, Carty CL, **O'Meara ES**, Lumley T, Lefkowitz D, Kronmal RA, Longstreth Jr WT. Hospitalization for infection and risk of acute ischemic stroke: The Cardiovascular Health Study. *Stroke* 2011 Jul;42(7):1851-6.
33. Shiffman D, **O'Meara ES**, Rowland CM, Louie JZ, Cushman M, Tracy RP, Devlin JJ, Psaty BM. The contribution of a 9p21.3 variant, a KIF6 variant, and C-reactive protein to predicting risk of myocardial infarction in a prospective study. *BMC Cardiovascular Disorders* 2011, 11:10.
34. Arab L, Biggs ML, **O'Meara ES**, Longstreth WT, Crane PK, Fitzpatrick AL. Gender Differences in Tea, Coffee, and Cognitive Decline in the Elderly: The Cardiovascular Health Study. *J Alzheimers Dis*. 2011;27(3):553-66.
35. Nelson HD, Zakher B, Cantor A, Fu R, Griffin J, **O'Meara ES**, Buist DS, Kerlikowske K, van Ravesteyn NT, Trentham-Dietz A, Mandelblatt JS, Miglioretti DL. Risk Factors for Breast Cancer for Women Aged 40 to 49 Years: A Systematic Review and Meta-analysis. *Ann Intern Med*. 2012 May 1;156(9):635-48.

36. Phipps AI, Buist DS, Malone KE, Barlow WE, Porter PL, Kerlikowske K, **O'Meara ES**, Li CI. Breast Density, Body Mass Index, and Risk of Tumor Marker-Defined Subtypes of Breast Cancer. *Ann Epidemiol.* 2012 May;22(5):340-8.
37. Diehr P, Thielke S, **O'Meara E**, Fitzpatrick AL, Newman A. Comparing years of healthy life, measured in 16 ways, for normal weight and overweight older adults. *J Obes.* 2012;2012:894894. Epub 2012 Jun 20. PMID:22778920
38. Braithwaite D, Zhu W, Hubbard RA, **O'Meara ES**, Miglioretti DL, Geller B, Dittus K, Moore D, Wernli KJ, Mandelblatt J, Kerlikowske K; Breast Cancer Surveillance Consortium. Screening outcomes in older U.S. women undergoing multiple mammograms in community practice: does interval, age, or comorbidity score affect tumor characteristics or false positive rates? *J Natl Cancer Inst.* 2013 Mar 6;105(5):334-41. PMID: 23385442
39. Kerlikowske K, Zhu W, Hubbard RA, Geller B, Dittus K, Braithwaite D, Wernli KJ, Miglioretti DL, **O'Meara ES**; Breast Cancer Surveillance Consortium. Outcomes of screening mammography by frequency, breast density, and postmenopausal hormone therapy. *JAMA Intern Med.* 2013 May 13;173(9):807-16. [Epub 2013 Jun 6.] PMID:23552817
40. Tice JA, **O'Meara ES**, Weaver DL, Vachon C, Ballard-Barbash R, Kerlikowske K. Benign breast disease, mammographic breast density, and the risk of breast cancer. *J Natl Cancer Inst.* 2013 Jul 17;105(14):1043-9. [Epub 2013 Jun 6.] PMID:23744877
41. Dittus K, Geller B, Weaver DL, Kerlikowske K, Zhu W, Hubbard R, Braithwaite D, **O'Meara ES**, Miglioretti DL; Breast Cancer Surveillance Consortium. Impact of Mammography Screening Interval on Breast Cancer Diagnosis by Menopausal Status and BMI. *J Gen Intern Med.* 2013 Nov;28(11):1454-62. [Epub 2013 Jun 13.] PMID:23760741
42. **O'Meara ES**, Zhu W, Hubbard RA, Braithwaite D, Kerlikowske K, Dittus KL, Geller B, Wernli KJ, Miglioretti DL. Mammographic screening interval in relation to tumor characteristics and false-positive risk by race/ethnicity and age. *Cancer.* 2013 Nov 15;119(22):3959-67. [Epub 2013 Aug 26.] PMID:24037812
43. Wernli KJ, **O'Meara ES**, Kerlikowske K, Miglioretti DL, Muller CY, Onega T, Sprague BL, Henderson LM, Buist DSM. Mammographic breast density as a risk factor for ovarian cancer. *J Natl Cancer Inst.* 2013 Dec 5. [Epub ahead of print] PMID:24309005

Presentations and Teaching

- How to leverage screening studies for primary prevention (panelist). American Society of Preventive Oncology, 37th Annual Meeting, Memphis, Tennessee, March 12, 2013.
- The Breast Cancer Surveillance Consortium (BCSC) Research Resource: A Source for Data, and Opportunities for Collaboration (poster). International Cancer Screening Network Biennial Meeting, Sydney, Australia, October 24, 2012.
- Mammographic screening intervals based on age and race/ethnicity. Breast Cancer Surveillance Consortium GO Annual Meeting, June 8, 2011.
- Ovarian cancer update. Breast Cancer Surveillance Consortium Steering Committee & Data Managers Meeting, October 25, 2010.
- Mammographic screening interval and breast cancer outcomes by race/ethnicity, and age. Breast Cancer Surveillance Consortium GO Grant, Annual Meeting, July 14, 2010.
- Mammographic screening interval and breast cancer by race/ethnicity, and age. Breast Cancer Surveillance Consortium, Statistical Coordinating Center / Surveillance Meeting, April 8, 2010.

Identification of gene variants predictive of increased risk of incident myocardial infarction: collaborative work between the Cardiovascular Health Study and Celera Diagnostics. Cardiovascular Health Study Steering Committee meeting, September, 2006.

Obesity, weight, and aging: what do we think we know? 2nd North American Congress of Epidemiology, Seattle, Washington, June, 2006.

Impact of cardiovascular disease on physical function. Cardiovascular Health Study Steering Committee meeting, September, 2004.

Hospitalization for pneumonia in older adults: risk factors and impact on mortality. Cardiovascular Health Study Steering Committee meeting, January, 2002.

Hormone replacement therapy after breast cancer in relation to recurrence and mortality. Group Health Cooperative Nurses's Seminar, Seattle, Washington, 2001.

Survival Analysis (lecture). Psychosocial Epidemiology course, University of Washington, 2000.

Teaching Assistant, Human Biology (Epidemiology), University of Washington School of Medicine, 1997-1998

Teaching Assistant, Introduction to Epidemiology, Department of Epidemiology, University of Washington, 1996

Head injury and risk of Alzheimer's disease by apolipoprotein E genotype (poster). American Academy of Neurology, 47th Annual Meeting, Seattle, Washington, May, 1995.

Alzheimer's disease and history of blood transfusion by apolipoprotein E genotype (poster). Gerontological Society of America, 47th Annual Meeting, Atlanta, Georgia, November, 1994.

Alzheimer's disease and history of blood transfusion (poster). The Fourth International Conference on Alzheimer's Disease and Related Disorders, Minneapolis, Minnesota, July-August, 1994.

Awards and Training

National Research Service Award, Cancer Epidemiology and Biostatistics Training, National Institutes of Health, 1996-1999

Molecular Biology and Pathology of Neoplasia Workshop, American Association for Cancer Research, Keystone, Colorado, 1998

Student Workshop on Epidemiologic Methods, 30th Annual Meeting of the Society for Epidemiologic Research, Edmonton, Alberta, Canada, 1997

New Investigators Workshop, 21st Annual Meeting of the American Society of Preventive Oncology, New Orleans, Louisiana, 1997

Alternate, Howard Hughes Medical Institute Predoctoral Fellowships in Biological Sciences, 1994

Professional Activities

Member, Society for Epidemiologic Research

Member, American Society of Preventive Oncology

Ad hoc Referee, Journal of the National Cancer Institute, Human Genetics, Cancer Epidemiology, Maturitas, Respiratory Medicine