

CURRICULUM VITAE
Susan Russell Heckbert, M.D., Ph.D.
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BIOGRAPHICAL INFORMATION

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EDUCATION

1977 B.S. Stanford University, Stanford, CA (Biology)
1981 M.D. Case Western Reserve University, Cleveland, OH
1987 M.P.H. University of Washington, Seattle, WA (Epidemiology)
1990 Ph.D. University of Washington (Epidemiology)

LICENSURE AND CERTIFICATION

1981-current Washington License Registration ———
1982 National Board of Medical Examiners
1984 National Board of Internal Medicine
1988-90 Massachusetts License Registration ———

PROFESSIONAL POSITIONS

Internship and residency

1981-82 Intern in Medicine, University of Washington
1982-84 Resident in Medicine, University of Washington
1984-85 Chief Resident in Medicine, Harborview Medical Center, Seattle, WA

Hospital Appointments

1985-88 Attending physician, Harborview Medical Center

Academic Appointments

1984-88 Acting Instructor, Department of Medicine, University of Washington
1988-89 Research Fellow, Department of Medicine, Harvard Medical School,
Boston, MA
1989-90 Instructor, Department of Medicine, Harvard Medical School
1990-92 Acting Assistant Professor, Department of Epidemiology, University of
Washington
1992-98 Assistant Professor, Department of Epidemiology, University of
Washington
1992-98 Adjunct Assistant Professor, Department of Pharmacy, School of Pharmacy,
University of Washington
1994- Graduate Faculty, University of Washington
1998-2004 Associate Professor, Department of Epidemiology, University of
Washington
1998-2004 Adjunct Associate Professor, Department of Pharmacy, School of
Pharmacy, University of Washington
2000- Affiliate Investigator, Center for Health Studies, Group Health, Seattle, WA
2004- Professor, Department of Epidemiology, University of Washington
2004- Adjunct Professor, Department of Pharmacy, University of Washington

HONORS, AWARDS, SCHOLARSHIPS

Honors and Awards

1977 B.S., with distinction, Stanford University
1977 Phi Beta Kappa, Stanford University
1981 Alpha Omega Alpha, Case Western Reserve University
1985 Upjohn Award for Clinical Ability and Humanitarian Concern, Harborview
Medical Center
1997 Nominated for UW School of Public Health and Community Medicine
Outstanding Teaching Award
2004 Nominated for UW Distinguished Graduate Mentor Award
2008 Elected member of American Epidemiological Society

Research fellowship awards

1975 California Heart Association Undergraduate Research Fellowship, Ocular
Pharmacology
1985-87 Resident in Preventive Medicine, University of Washington,
1986-88 NIH Institutional Research Service Award trainee (Epidemiology),
University of Washington

PROFESSIONAL ACTIVITIES

Professional organizations

- 1990-current Society for Epidemiologic Research
- 1993-current American Heart Association Council on Epidemiology and Prevention
- 1998-current Associate Fellow, then Fellow of the American Heart Association Council on Epidemiology and Prevention
- 2008-current American Epidemiological Society

Study sections

- 1998 NIH Special Emphasis Panel, Cardiovascular Sciences IRG, member
- 2000-2005 American Heart Association National Peer Review Committee, Behavioral Science, Epidemiology, and Prevention 2 Study Section, member
- 2005, 2006 NIH Clinical and Integrative Cardiovascular Science Study Section, member (written critique),
- 2008 National Human Genome Research Institute Special Emphasis Panel, member

Committees

- 1995- Women's Health Initiative Outcomes Scientific Advisory Committee
- 1996- Women's Health Initiative Cardiovascular Outcomes Central Adjudication Committee
- 1997- Women's Health Initiative Morbidity and Mortality Committee
- 1997- Group Health Cooperative Human Subjects Review Committee, alternate
- 2001-2002 Group Health Cooperative Human Subjects Review Committee, member
- 2000- Multi-Ethnic Study of Atherosclerosis, Ancillary Studies Committee; chair
- 2004 - present
- 2000- Multi-Ethnic Study of Atherosclerosis, Magnetic Resonance Imaging Committee
- 2002- Women's Health Initiative Observational Study Blood Sample Competition, Review Group for the Coordinating Center
- 2003-2008 Chair, Data Safety Monitoring Board Committee, "A Population-Based Randomized Trial to Assess the Effects of Short-Term HRT Cessation on Mammography Assessments and Breast Density," Group Health
- 2004-2006 Leadership Committee of the Epidemiology and Prevention Council, American Heart Association; Member-at-Large
- 2004-2006 Computer Information Systems Oversight Committee, Center for Health Studies, Group Health Cooperative
- 2004 Abstract reviewer for American Heart Association Epidemiology and Prevention Council 2005 meeting
- 2006- FDA Drug Safety and Risk Management Advisory Committee, Member
- 2006- Candidate Gene Association Resource (CARE) Study Phenotype Subcommittee, Co-chair

BIBLIOGRAPHY

REFEREED RESEARCH ARTICLES - PUBLISHED

1. Birss SA, Longwell A, **Heckbert S**, Keller N. Ocular hypotensive efficacy of topical epinephrine in normotensive and hypertensive rabbits: continuous delivery vs. eyedrops. *Ann Ophthalmol* 1978;10:1045-54.
2. Weiss NS, **Heckbert SR**. Patients as their own controls in studies of therapeutic efficacy: Can we trust the results of non-randomized trials? *J Gen Intern Med* 1988;3:381-3.
3. **Heckbert SR**, Stephens CR, Daling JR. Diabetes in pregnancy: maternal and infant outcome. *Paed Perinatal Epidemiol* 1988;2:314-26.
4. **Heckbert SR**, Stryker WS, Coltin KL, Manson JE, Platt R. Serum sickness in children after antibiotic exposure: estimates of occurrence and morbidity in a health maintenance organization population. *Am J Epidemiol* 1990;132:336-42.
5. **Heckbert SR**, Weiss NS, Hornung SK, Eaton DL, Motulsky AG. Glutathione S-transferase and epoxide hydrolase activity in human leukocytes in relation to risk of lung and other smoking-related cancers. *J Natl Cancer Inst* 1992;84:414-22.
6. **Heckbert SR**, Elarth A, Nolan CM. The impact of human immunodeficiency virus infection on tuberculosis in young men in Seattle-King County, Washington. *Chest* 1992;102:433-7.
7. Psaty BM, **Heckbert SR**, Atkins D, Siscovick DS, Koepsell TD, Wahl PW, Longstreth TD Jr, Weiss NS, Wagner EH, Prentice R, Furberg CD. A review of the association of estrogens and progestins with cardiovascular disease in post-menopausal women. *Arch Intern Med* 1993;153:1421-7.
8. **Heckbert SR**, Mtshali G, Platt R. Effect of federally mandated education policies on prescribing of isotretinoin to women of childbearing age. *Pharmacoepidemiology and Drug Saf* 1993;2:217-21.
9. Psaty BM, **Heckbert SR**, Atkins D, Lemaitre R, Koepsell TD, Wahl PW, Siscovick DS, Wagner EH. The risk of myocardial infarction associated with the combined use of estrogens and progestins in postmenopausal women. *Arch Intern Med* 1994;154:1333-9.
10. Psaty BM, Koepsell TD, Yanez D, Smith NL, Manolio TA, **Heckbert SR**, Borhani NO, Gardin JM, Gottdiener JS, Rutan GH, Siscovick DS, Furberg CD. Temporal patterns of antihypertensive medication use among older adults, 1989 through 1992. An effect of the major clinical trials on clinical practice? *JAMA* 1995;273:1436-8.

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11. * Lemaitre RN, **Heckbert SR**, Psaty BM, Siscovick DS. Leisure-time physical activity and the risk of non-fatal myocardial infarction in post-menopausal women. *Arch Intern Med* 1995;155:2302-8.
12. Psaty BM, **Heckbert SR**, Koepsell TD, Siscovick DS, Raghunathan TE, Weiss NS, Rosendaal FR, Lemaitre RN, Smith NL, Wahl PW, Wagner EH, Furberg CD. The risk of myocardial infarction associated with antihypertensive drug therapies. *JAMA* 1995;274:620-5.
13. Psaty BM, Siscovick DS, Weiss NS, Koepsell TD, Rosendaal FR, Lin D, **Heckbert SR**, Wagner EH, Furberg CD. Hypertension and outcomes research: from clinical trials to clinical epidemiology. *Am J Hypertens* 1996;9:178-83.
14. * Lahad A, **Heckbert SR**, Patrick DL, Psaty BM. Hostility, aggression and the association with hypertension in post-menopausal women. *J Human Hypertens* 1996;10(Suppl 3):S115-21.
15. Newton KM, LaCroix AZ, McKnight B, Knopp RH, Siscovick DS, **Heckbert SR**, Weiss NS. Estrogen replacement therapy and prognosis after first myocardial infarction. *Am J Epidemiol* 1997; 145(3):269-77.
16. Psaty BM, Smith NL, Siscovick DS, Koepsell TD, Weiss NS, **Heckbert SR**, Lemaitre RN, Wagner EH, Furberg CD. Health outcomes associated with antihypertensive therapies used as first-line agents. A systematic review and meta-analysis. *JAMA* 1997;277:739-45.
17. **Heckbert SR**, Weiss NS, Koepsell TD, Lemaitre RN, Smith NL, Siscovick DS, Psaty BM. Duration of estrogen replacement therapy in relation to the risk of incident myocardial infarction in postmenopausal women. *Arch Intern Med* 1997;157:1330-6.
18. * Lahad A, **Heckbert SR**, Koepsell TD, Psaty BM, Patrick DL. Hostility, aggression and the risk of non-fatal myocardial infarction in postmenopausal women. *J Psychosom Res* 1997; 43:183-195.
19. **Heckbert SR**, Longstreth WT Jr, Psaty BM, Murros KE, Smith NL, Newman AB, Williamson JB, Bernick C, Furberg CD. The association of anti-hypertensive agents with MRI white matter findings and with Modified Mini-Mental State Examination in older adults. *J Amer Geriatr Soc* 1997;45:1423-1433.
20. Smith NL, Psaty BM, **Heckbert SR**, Lemaitre RN, Kates DM, Rutan GH, Bleyer A. The association of antihypertensive medication with serum creatinine changes in older adults. *Am J Hypertens* 1997;10:1368-1377.

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21. Kaplan RC, Psaty BM, Kriesel D, **Heckbert SR**, Smith NL, Gillett C, Golston AG. Replacing short-acting nifedipine with alternative medications. *Am J Hypertens* 1998;11:471-477.
22. Smith NL, Psaty BM, Pitt B, Garg R, Gottdiener JS, **Heckbert SR**. Temporal patterns in the medical treatment of congestive heart failure with angiotensin-converting enzyme inhibitors in older adults, 1989-1995. *Arch Intern Med* 1998;158:1074-1080.
23. **Heckbert SR**, Vedder NB, Hoffman W, Winn RK, Hudson, LD, Jurkovich GJ, Copass MK, Harlan JM, Rice CL, Maier RV. Outcome after hemorrhagic shock in trauma patients. *J Trauma* 1998;45:545-549.
24. * Kaplan RC, **Heckbert SR**, Weiss NS, Wahl PW, Smith NL, Newton KM, Psaty BM. Postmenopausal estrogens and risk of myocardial infarction in diabetic women. *Diabetes Care* 1998;21:1117-1121.
25. Smith NL, Reiber GE, Psaty BM, **Heckbert SR**, Siscovick DS, Ritchie JL, Every NR, Koepsell TD. Health outcomes associated with beta-blocker and diltiazem treatment of unstable angina. *J Am Coll Cardiol* 1998;32:1305-11.
26. Lemaitre RN, King IB, Patterson RE, Psaty BM, Kestin M, **Heckbert SR**. Assessment of trans-fatty acid intake with a food frequency questionnaire and validation with adipose tissue levels of trans-fatty acids. *Am J Epidemiol* 1998;148:1085-93.
27. Jackson LA, Smith NL, **Heckbert SR**, Grayston JT, Siscovick DS, Psaty BM. Lack of association between first myocardial infarction and past use of erythromycin, tetracycline, or doxycycline. *Emerg Infect Dis* 1999; 5:281-4.
28. Jacobs EJ, White E, Weiss NS, **Heckbert SR**, LaCroix A, Barlow WE. Hormone replacement therapy and colon cancer among members of a health maintenance organization. *Epidemiology* 1999; 10:445-51.
29. Smith NL, Psaty BM, **Heckbert SR**, Cornell ES, Tracy RP. The reliability of medication inventory methods compared to serum levels of cardiovascular drugs in the elderly. *J Clin Epidemiol* 1999; 52:143-6.
30. Smith NL, **Heckbert SR**, Bittner VA, Savage PJ, Barzilay JI, Dobs AS, Psaty BM. Antidiabetic treatment trends in a cohort of elderly people with diabetes. The Cardiovascular Health Study, 1989-1997. *Diabetes Care* 1999; 22:736-42.

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31. Psaty BM, Weiss NS, Furberg CD, Koepsell TD, Siscovick DS, Rosendaal FR, Smith NL, **Heckbert SR**, Kaplan RL, Lin D, Fleming TR, Wagner EH. Surrogate endpoints, health outcomes, and the drug approval process for the treatment of risk factors for cardiovascular disease. *JAMA* 1999; 282:786-90.
32. Smith NL, Reiber GE, Psaty BM, **Heckbert SR**, Siscovick DS, Ritchie J, Koepsell TD. Trends in the post-hospitalization medical treatment of unstable angina pectoris: 1990 to 1995. *Am J Cardiol* 1999; 84: 632-8.
33. Kaplan RC, Psaty BM, **Heckbert SR**, Smith NL, Lemaitre RN. Blood pressure level and incidence of myocardial infarction among patients treated for hypertension. *Am J Public Health* 1999;89:1414-17.
34. Klungel OH, Kaplan RC, **Heckbert SR**, Smith NL, Lemaitre RN, Longstreth WT Jr, Leufkens HGM, de Boer A, Psaty BM. Control of blood pressure and risk of stroke among pharmacologically treated hypertensive patients. *Stroke* 2000;31:420-4.
35. Jackson LA, Smith NL, **Heckbert SR**, Grayston JT, Siscovick DS, Psaty BM. Past use of erythromycin, tetracycline, or doxycycline is not associated with risk of first myocardial infarction. *J Infect Dis* 2000; 181(Suppl 3): S563-5.
36. Kaplan RC, **Heckbert SR**, Koepsell TD, Rosendaal FR, Psaty BM. Use of calcium channel blockers and risk of hospitalized gastrointestinal tract bleeding. *Arch Intern Med* 2000;160:1849-55.
37. Alem AM, Sherrard DJ, Gillen DL, Weiss NS, Beresford SA, **Heckbert SR**, Wong C, Stehman-Breen C. Increased risk of hip fracture among patients with end-stage renal disease. *Kidney Int.* 2000 Jul;58(1):396-9.
38. Klungel OH, **Heckbert SR**, Longstreth WT, Furberg CD, Kaplan RC, Smith NL, Lemaitre RN, Leufkens HGM, deBoer A, Psaty BM. Antihypertensive medications and the risk of ischemic stroke. *Arch Intern Med* 2000;161:37-43.
39. Stehman-Breen CO, Sherrard DJ, Alem AM, Gillen DL, **Heckbert SR**, Wong CS, Ball A, Weiss NS. Risk factors for hip fracture among patients with end-stage renal disease. *Kidney Int.* 2000;58:2200-2205.
40. Kaplan RC, **Heckbert SR**, Koepsell TD, Furberg CD, Polak JF, Schoen RE, Psaty BM. Risk factors for hospitalized gastrointestinal bleeding among older persons. Cardiovascular Health Study Investigators. *J Amer Geriatr Soc* 2001;49:126-33.
41. Psaty BM, Smith NL, Lemaitre RN, Vos HL, **Heckbert SR**, LaCroix AZ, Rosendaal FR. Hormone replacement therapy, prothrombotic mutations, and the risk of incident nonfatal myocardial infarction in postmenopausal women. *JAMA* 2001; 285:906-13.

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42. Heckbert SR, Kaplan RC, Weiss NS, Psaty BM, Lin D, Furberg CD, Starr JR, Anderson GD, LaCroix AZ. Risk of recurrent coronary events in relation to use and recent initiation of postmenopausal hormone therapy. *Arch Intern Med* 2001;161:1709-13.
43. * Rea TD, Heckbert SR, Kaplan RC, Psaty BM, Smith NL, Lemaitre RN, Lin D. Body-mass index and the risk of recurrent coronary events following myocardial infarction. *Am J Cardiol* 2001;88:467-72.
44. Barzilay JI, Abraham L, Heckbert SR, Cushman M, Kuller LH, Resnick HE, Tracy RP. The relation of markers of inflammation to the development of glucose disorders in the elderly: The Cardiovascular Health Study. *Diabetes* 2001;50:2384-2389.
45. Smith NL, Barzilay JI, Shaffer D, Savage PJ, Heckbert SR, Kuller LH, Kronmal RA, Resnick HE, Psaty BM. Fasting and 2-hour postchallenge serum glucose measures and risk of incident cardiovascular events in the elderly: The Cardiovascular Health Study. *Arch Intern Med* 2002;162:209-216.
46. Dublin S, Rossing MA, Heckbert SR, Goff BA, Weiss NS. Risk of epithelial ovarian cancer in relation to use of antidepressants, benzodiazepines, and other centrally acting medications. *Cancer Causes Control* 2002;13:35-45.
47. Smith NL, Savage PJ, Heckbert SR, Barzilay JI, Bittner VA, Kuller LH, Psaty BM. Glucose, blood pressure, and lipid control among elderly women and men with and without diabetes: the Cardiovascular Health Study. *J Amer Geriatr Soc* 2002;50:416-423.
48. * Klungel OH, Heckbert SR, de Boer A, Leufkens HGM, Sullivan SD, Fishman PA, Veenstra DL, Psaty BM. Lipid-lowering drug use and cardiovascular events after myocardial infarction. *Ann Pharmacother* 2002;36:751-757.
49. Psaty BM, Smith NL, Heckbert SR, Vos HL, Lemaitre RN, Reiner AP, Siscovick DS, Bis J, Lumley T, Longstreth WT Jr, Rosendaal FR. Diuretic therapy, the alpha adducin variant, and the risk of myocardial infarction in subjects with treated hypertension. *JAMA* 2002;287:1680-1689.
50. Folsom AR, Cushman M, Tsai MY, Aleksic N, Heckbert SR, Boland LL, Tsai AW, Yanez ND, Rosamond W. A prospective study of venous thromboembolism in relation to factor V Leiden and related factors. *Blood* 2002;99:2720-2725.
51. Kaplan RC, Heckbert SR, Koepsell TD, Rosendaal FR, Furberg CD, Cooper L, Psaty BM, for the Cardiovascular Health Study Investigators. Calcium channel blocker use and gastrointestinal bleeding among older adults. *Age Aging* 2002;31:217-218.

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52. Kaplan RC, **Heckbert SR**, Psaty BM. Risk factors for hospitalized upper or lower gastrointestinal tract bleeding in treated hypertensives. *Prev Med* 2002;34:455-62.
53. Engel LS, Taioli E, Pfeiffer R, Garcia-Closas M, Marcus PM, Lan Q, Boffetta P, Vineis P, Autrup H, Bell DA, Branch RA, Brockmüller J, Daly AK, **Heckbert SR**, Kalina I, Kang DH, Katoh T, Lafuente A, Lin HJ, Romkes M, Taylor JA, Rothman N. Pooled analysis and meta-analysis of glutathione S-transferase M1 and bladder cancer: A HuGE Review. *Am J Epidemiol* 2002;156:95-109.
54. Lemaitre RN, Psaty BM, **Heckbert SR**, Kronmal RA, Newman AB, Burke GL. Therapy with hydroxymethylglutaryl coenzyme A reductase inhibitors (statins) and associated risk of incident cardiovascular events in older adults. Evidence from the Cardiovascular Health Study. *Arch Intern Med* 2002;162:1395-400.
55. Tsai AW, Cushman M, Rosamond WD, **Heckbert SR**, Polak JF, Folsom AR. Cardiovascular risk factors and venous thromboembolism incidence: The Longitudinal Investigation of Thromboembolism Etiology (LITE) Study. *Arch Intern Med* 2002;162(10):1182-9.
56. * Kaplan RC, **Heckbert SR**, Furberg CD, Psaty BM. Predictors of subsequent cardiovascular events among survivors of first hospitalized myocardial infarction. *J Clin Epidemiol* 2002;55:654-64.
57. * Frigon C, Jardine DS, Weinberger E, **Heckbert SR**, Shaw DW. Fraction of inspired oxygen in relation to cerebrospinal fluid hyperintensity on FLAIR MR imaging of the brain in children and young adults undergoing anesthesia. *AJR Am J Roentgenol* 2002;179: 791-6.
58. * Rea TD, **Heckbert SR**, Kaplan RC, Psaty BM, Smith NL, Lemaitre RN. Smoking status and the risk of recurrent coronary events following myocardial infarction. *Ann Intern Med* 2002;137:494-500.
59. Jackson LA, Yu O, **Heckbert SR**, Psaty BM, Barlow WE, Malais D, Thompson WW and the Vaccine Safety Datalink Study Group. Influenza vaccination is not associated with a reduction in the risk of recurrent coronary events. *Am J Epidemiol* 2002;156:634-640.
60. Lemaitre RN, **Heckbert SR**, Psaty BM, Smith NL, Kaplan RC, Longstreth WT Jr. Hormone replacement therapy and associated risk of stroke in postmenopausal women. *Arch Intern Med* 2002;162:1954-60.

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61. Psaty BM, Manolio TA, Smith NL, **Heckbert SR**, Gottdiener J, Burke G, Weissfeld J, Enright P, Lumley T, Powe N, Furberg CD. Time trends in high blood pressure control and the use of antihypertensive medications in older adults: the Cardiovascular Health Study. *Arch Intern Med* 2002;162:2325-32.
62. * Hindorff LA, **Heckbert SR**, Tracy R, Tang Z, Psaty BM, Edwards KL, Siscovick DS, Kronmal RA, Nazar-Stewart V. Angiotensin II type 1 receptor polymorphisms in the Cardiovascular Health Study: Relation to blood pressure, ethnicity, and cardiovascular events. *Am J Hypertens* 2002;15:1050-1056.
63. Folsom AR, Cushman M, Tsai MY, **Heckbert SR**, Aleksic N. Prospective study of the G20210A polymorphism in the prothrombin gene, plasma prothrombin concentration, and incidence of venous thromboembolism. *Am J Hematol* 2002; 71:285-290.
64. Tsai AW, Cushman M, Rosamond WD, **Heckbert SR**, Tracy RP, Aleksic N, Folsom AR. Coagulation factors, inflammation markers, and venous thromboembolism incidence: The Longitudinal Investigation of Thromboembolism Etiology (LITE). *Am J Med* 2002; 113:636-42.
65. Aleksic N, Folsom AR, Cushman M, **Heckbert SR**, Tsai MY, Wu KK. Prospective study of the A455V polymorphism in the thrombomodulin gene, plasma thrombomodulin, and incidence of venous thromboembolism: the LITE Study. *J Thromb Haemost* 2003; 1:88-94.
66. Tsai AW, Cushman M, Tsai MY, **Heckbert SR**, Rosamond WD, Aleksic N, Yanez ND, Psaty BM, Folsom AR. Serum homocysteine, thermolabile variant of methylene tetrahydrofolate reductase (MTHFR) and venous thromboembolism: The Longitudinal Investigation of Thromboembolism Etiology (LITE). *Am J Hematol* 2003;72:192-200.
67. Cushman M, Folsom AR, Wang L, Aleksic N, Rosamond WD, Tracy RP, **Heckbert SR**. Fibrin fragment D-dimer and the risk of future venous thrombosis. *Blood* 2003; 101:1243-8.
68. **Heckbert SR**, Hindorff LA, Edwards KL, Psaty BM, Lumley T, Siscovick DS, Tang Z, Durda JP, Kronmal RA, Tracy RP. Beta-2 adrenergic receptor polymorphisms and risk of incident cardiovascular events in the elderly. *Circulation* 2003;107:2021-4.
69. Rea TD, Psaty BM, **Heckbert SR**, Cushman M, Meilahn E, Olson J, Lemaitre RN, Smith NL, Sotoodehnia N, Chaves P. Hormone replacement therapy and the risk of incident congestive heart failure: the Cardiovascular Health Study. *J Womens Health (Larchmt)* 2003;12:341-50.

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70. * Chien JW, Martin PJ, Gooley TA, Flowers ME, **Heckbert SR**, Nichols WG, Clark AG. Airflow obstruction after myeloablative allogeneic hematopoietic stem cell transplantation. *Am J Respir Crit Care Med* 2003;168:208-14.
71. Folsom AR, Cushman M, **Heckbert SR**, Rosamond WD, Aleksic N. Prospective study of fibrinolytic markers and venous thromboembolism. *J Clin Epidemiol* 2003;56:598-603.
72. Reiner AP, **Heckbert SR**, Vos HL, Ariëns RA, Lemaitre RN, Smith NL, Lumley T, Rea TD, Hindorff LA, Schellenbaum GD, Rosendaal FR, Siscovick DS, Psaty BM. Genetic variants of coagulation factor XIII, postmenopausal estrogen therapy, and risk of non-fatal myocardial infarction. *Blood* 2003;102:25-30.
73. Manson JE, Hsia J, Johnson KC, Rossouw JE, Assaf AR, Lasser NL, Trevisan M, Black HR, **Heckbert SR**, Detrano R, Strickland OL, Wong ND, Crouse JR, Stein E, Cushman M. Estrogen plus progestin and risk of coronary heart disease: Final results from the Women's Health Initiative Randomized Clinical Trial. *N Engl J Med* 2003;349:523-34.
74. Smith NL, Lemaitre RN, **Heckbert SR**, Kaplan RC, Tirschwell DL, Longstreth WT Jr, Psaty BM. Serum potassium and stroke risk among treated hypertensive adults. *Am J Hypertens* 2003;16:806-13.
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76. Curb D, McTiernan A, **Heckbert SR**, Kooperberg G, Stanford J, Nevitt M, Johnson K, Proulx-Burns L, Pastore L, Criqui M, Daugherty S. Outcomes in the Women's Health Initiative. *Ann Epidemiol* 2003;13(9, Suppl. 1):S122-S128.
77. Velicer CM, Lampe JW, **Heckbert SR**, Potter JD, Taplin SH. Hypothesis: is antibiotic use associated with breast cancer? *Cancer Causes Control* 2003;14:739-747.
78. Bis JC, Smith NL, Psaty BM, **Heckbert SR**, Edwards KL, Lemaitre RN, Lumley T, Rosendaal FR. Angiotensinogen Met235Thr polymorphism, ACE inhibitor therapy, and the risk of nonfatal stroke or myocardial infarction in hypertensive patients. *Am J Hypertens* 2003;16:1011-1017.
79. * Boudreau DM, Daling JR, Malone KE, Gardner JS, Blough DK, **Heckbert SR**. A validation study of patient interview data and pharmacy records for antihypertensive, statin, and antidepressant medication use among older women. *Am J Epidemiol* 2004; 159:308-17.

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80. * Velicer CM, **Heckbert SR**, Lampe JW, Potter JD, Robertson C, Taplin SH. Antibiotic use in relation to the risk of breast cancer. *JAMA* 2004; 291:827-35.
81. Doggen DJM, Lemaitre RN, Smith NL, **Heckbert SR**, Rosendaal FR, Psaty BM. HMG CoA reductase inhibitors and the risk of venous thrombosis among postmenopausal women [letter]. *J Thromb Haemost* 2004; 2: 700-701.
82. * Lewis TC, Stout JW, Martinez P, Marray B, White LC, **Heckbert SR**, Redding GJ. Prevalence of asthma and chronic respiratory symptoms among Alaska native children. *Chest* 2004; 125:1665-1673.
83. Cushman M, Tsai AW, **Heckbert SR**, White R, Rosamond WD, Enright P, Folsom AR. Deep vein thrombosis and pulmonary embolism in two cohorts: the Longitudinal Investigation of Thromboembolism Etiology (LITE). *Am J Med* 2004; 117:19-25.
84. Barzilay JI, Peterson D, Cushman M, **Heckbert SR**, Cao JJ, Blaum C, Tracy RP, Klein R, Herrington DM. The relationship of cardiovascular risk factors to microalbuminuria in older adults with or without diabetes mellitus or hypertension: The Cardiovascular Health Study. *Am J Kidney Dis* 2004; 44:25-34.
85. Boudreau DM, Gardner JS, Malone KE, **Heckbert SR**, Blough DK, Daling JR. The association between 3-hydroxy-3-methylglutaryl coenzyme A inhibitor use and breast carcinoma risk among postmenopausal women: A case-control study. *Cancer* 2004;100:2308-16.
86. Sullivan SR, Friedrich JB, Engrav LH, Round KA, Heimbach DM, **Heckbert SR**, Carrougher GJ, Lezotte DC, Wiechman SA, Honari S, Klein MB, Gibran NS. "Opioid creep" is real and may be the cause of "fluid creep." *Burns* 2004;30:583-90.
87. Doggen CJM, Smith NL, Lemaitre RN, **Heckbert SR**, Rosendaal FR, Psaty BM. Serum lipid levels and the risk of venous thrombosis. *Arterioscler Thromb Vasc Biol* 2004;24: 1970-5.
88. Schellenbaum GD, Rea TD, **Heckbert SR**, Smith NL, Lumley T, Roger VL, Kitzman DW, Taylor HA, Levy D, Psaty BM. Survival associated with two sets of diagnostic criteria for congestive heart failure. *Am J Epidemiol* 2004; 160: 628-635.
89. Smith NL, **Heckbert SR**, Lemaitre RN, Reiner AP, Lumley T, Weiss NS, Larson E, Rosendaal FR, Psaty BM. Esterified estrogens and conjugated equine estrogens and the risk of venous thrombosis. *JAMA* 2004; 292:1581-1587.

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5. **Heckbert SR, LaCroix AZ.** Cardiovascular event classification in the very old: how accurate and how complete? *Epidemiology* 1997; 8:473-4.
6. **Heckbert SR, Weiss NS, Psaty BM.** Hormone replacement therapy for secondary prevention of coronary heart disease [letter]. *JAMA* 1999;281:795-6.
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PUBLISHED ABSTRACTS (over 80; available upon request)

CONFERENCES AND SYMPOSIA

Invited Oral Presentations (National and International)

“Inherited susceptibility to environmental carcinogens,” Charles A. Dana Foundation Conference on Genetic and Environmental Factors in Neurologic Function and Disease, Johns Hopkins University, Baltimore, MD, 1988.

“An epidemiologic study of carcinogen-metabolizing enzymes and smoking related cancer,” Charles A. Dana Foundation Conference on Environmental Factors that Influence Health and Disease in Older People, Rye, NY, 1989.

Panel discussant for keynote address at Society of General Internal Medicine Northwest Regional Meeting, Portland, OR, February 24, 1995.

“Hyperglycemia and retinopathy in the Cardiovascular Health Study,” Joint NIA/NIDDK/NHLBI meeting, “Hyperglycemia in Older Adults: Implications of Changes in Diagnosis and Classification Criteria on Epidemiologic Research and Clinical Practice”. Bethesda, MD, September, 1999.

“Negative data from clinical and epidemiologic studies.” Invited panelist for the session entitled, “Hormone replacement therapy: Pros and cons.” American Heart Association Scientific Sessions. Chicago, IL, November 2002.

“Hormone therapy and coronary disease: Lessons learned from the Women’s Health Initiative.” John Locke Symposium, 2nd Annual Preventive Cardiology Conference, Swedish Heart Institute, Swedish Medical Center, Seattle, WA; October, 2003.

“Risk factors for recurrent cardiovascular disease: Population-based research at GHC.” Group Health Cooperative Center for Health Studies Seminar, Group Health Cooperative, Seattle, WA; November, 2003.

“Thrombosis in atrial fibrillation.” LeDucq Foundation Network Against Thrombosis conference, University of Washington, Seattle, WA, June, 2006.

“Observational data sets and research opportunities in atrial fibrillation.” Panel Leader, NHLBI Workshop: Prevention of Atrial Fibrillation, April 2008.

“Clinical challenges associated with warfarin use.” Oklahoma Medical Research Foundation Thrombosis Symposium, May, 2008