

Curriculum Vitae

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EDUCATIONAL BACKGROUND

Ph.D. in Epidemiology, July 1984
University of North Carolina, Chapel Hill, N.C.
Dissertation Topic: Occupational Characteristics and Development of Coronary Heart Disease

M.P.H. in Public Health Nursing, August 1981
University of North Carolina, Chapel Hill, N.C.

B.S.N., May 1979 (Magna cum laude)
Georgetown University, Washington, D.C.

CURRENT PROFESSIONAL POSITIONS

April 1996 - Present	Co-Principal Investigator (at the rank of Full Member) Women's Health Initiative Clinical Coordinating Center Division of Public Health Sciences Fred Hutchinson Cancer Research Center
October 1989 - Present	Scientific Investigator Group Health Research Institute Group Health Cooperative
October 1989 - Present	Professor (rank as of July 1, 1997) Department of Epidemiology School of Public Health and Community Medicine University of Washington
January 1990 - Present	Adjunct Professor Department of Health Services School of Public Health and Community Medicine University of Washington

PREVIOUS PROFESSIONAL POSITIONS

September 1984 - September 1985	Postdoctoral Fellow in Cardiovascular Epidemiology Department of Epidemiology School of Hygiene and Public Health The Johns Hopkins University Baltimore, Maryland
September 1985 - April 1987	Epidemiologist National Center for Health Statistics Division of Health Examination Statistics Hyattsville, Maryland
April 1987 - October 1989	Epidemiologist National Institute on Aging National Institutes of Health Epidemiology, Demography and Biometry Program Bethesda, Maryland
July 1988 - July 1991	Adjunct Assistant Professor Department of Epidemiology School of Hygiene and Public Health The Johns Hopkins University Baltimore, Maryland

SCHOLARSHIPS, FELLOWSHIPS, HONORS AND AWARDS

1980-1981	Occupational Health Traineeship (NIOSH), Department of Public Health Nursing, University of North Carolina
1981-1982	Cancer Traineeship (NCI), Department of Epidemiology, University of North Carolina
1983	American Heart Association, North Carolina Affiliate, Small Grant-In-Aid, Project Title: Job Characteristics, Perceived Control and Incidence of Coronary Heart Disease.
1983-1984	Cardiovascular Traineeship (NHLBI), Department of Epidemiology, University of North Carolina
1984-1985	Cardiovascular Fellowship (NHLBI), Department of Epidemiology, The Johns Hopkins University.
1990-1993	Brookdale Foundation National Fellowship in geriatrics and gerontology
2006-2008	Aljaya Visiting Professor in Healthy Aging, School of Nursing, University of Washington
2010	McDougall Mentoring Award, Fred Hutchinson Cancer Research Center

PROFESSIONAL ACTIVITIES

Professional Organizations

Council on Epidemiology, American Heart Association
Society for Epidemiologic Research
American Public Health Association, elected to governing council 9/93
American Society for Bone and Mineral Research
Delta Omega, the Honorary Public Health Society

Sigma Theta Tau, the International Honor Society of Nursing

Committees

Executive Committee, Council on Epidemiology, American Heart Association (July 1987 - July 1991)

Veterans Administration Northwest Regional Health Services Research and Development Field Program Steering Committee (October 1989 - October 1992)

Data Monitoring Board, Women's Health Study: A Randomized Controlled Double-Blind Trial of Aspirin and Beta-Carotene for the Prevention of Heart Attack and Cancer in Women. Principal Investigator: Julie Buring, ScD, Brigham and Women's Hospital and Harvard Medical School (December 1991 - 2003)

Data Monitoring Board, Ischemic Optic Neuropathy Decompression Trial. Study Chairman: Shalom E. Kelman, M.D., University of Maryland (February 1992 - December 1994)

Biological and Clinical Aging Review Committee, National Institute on Aging (July 1992 - June 1996). Chairperson of the Committee from July 1, 1994-June 30, 1995.

NHLBI Task Force on Research in Epidemiology and Prevention of Cardiovascular Disease (July 1992 - October 1993)

Clinical Trials Advisory Panel, National Institute on Aging, National Institutes of Health (September 2007 - present)

National Advisory Council on Aging (NACA), National Institute on Aging, National Institutes of Health (January 2009-present)

Consultation

1984-1985	North Carolina Occupational Safety and Health Project Office Workers Stress Survey
1985	National Institute on Aging Concept proposal for longitudinal study of the oldest old
1985	Department of Epidemiology, University of North Carolina John Henryism and Hypertension Risk: Race and Gender Influences
1990	National Heart, Lung and Blood Institute Estimating the prevalence of coronary heart disease from NHANES data
1990	National Heart, Lung and Blood Institute Planning for a national conference on behavioral factors and CVD in women
1991	American Heart Association Chaired committee to evaluate a taskforce report on AHA's mission to the elderly
2003, 2009	Cancer Research UK Participated in the Quinquennial Review to the Cancer Research Epidemiology Unit directed by Professor Valerie Beral at the University of Oxford

Invited Participation in National Meetings

April 1989 NHLBI Workshop on "Work Environments and Cardiovascular Disease". Co-chaired working group on theoretical models.

March 1990 NIA sponsored conference on "Compression of Morbidity". Invited discussant and workshop facilitator.

- September 1991 NHLBI sponsored conference on "Women, Behavior and Cardiovascular Disease". Invited speaker and taskforce participant.
- September 1991 NIH Office of Research on Women's Health sponsored workshop on "Opportunities for Research on Women's Health". Invited participant in the "perimenopausal to mature years" working group.
- November 1991 64th Scientific Sessions of the American Heart Association. Postgraduate Seminar Speaker on "Heart Disease and Hormones in Women Across the Lifespan: Postmenopausal Prevention and Therapy."
- December 1993 International Consensus Conference on Hormone Replacement Therapy and Cardiovascular Disease sponsored by the American Fertility Society. Plenary speaker on "Psychosocial Risk Factors for Coronary Heart Disease in Women" and workshop participant.
- December 1993 Seminar on Health Issues Among Older Women in the United States sponsored by the Bowman Gray School of Medicine, Department of Public Health Sciences. Opening speaker.
- February 1994 American Association for the Advancement of Science (AAAS) Annual Meeting. San Francisco, CA: February 19, 1994. Presented invited paper entitled, "Epidemiologic Discovery and Prospects for Healthy Lifespan Extension."
- November 1996 Gerontologic Society of America (GSA) Annual Meeting. Washington, DC: November 14, 1996. Presented invited paper at a Presidential Symposium entitled, "The Promise of Research for Improving the Health and Healthcare of Older People in Managed Care Settings."
- January 1998 US Public Health Service's Office on Women's Health Conference entitled, "The Future of Managed Care and Women's Health: New Direction for the 21st Century." Washington, DC: January 26-27, 1998. Presenting paper entitled, "A Population-Based Strategy for Improving Informed Decision-Making about HRT Among Women in Managed Care Organizations."
- May 1998 Jacobs Institute on Women's Health. Symposium entitled, "Neither Prevention Nor Cure: Managed Care for Women with Chronic Conditions." May 27, 1998, Washington, D.C. Presented paper entitled, "Challenges in the Prevention of Osteoporosis and Fracture in Managed Care Settings."
- June 1998 American College of Sports Medicine Annual Meeting. June 4, 1998, Orlando, Florida. Presented invited paper at a presidential symposium entitled, "Cardiovascular Disease and Functional Status in Older Adults: A Walk a Day Keeps the Disability Away."
- September 2000 North American Menopause Society. 11th Annual Meeting. September 7-9, 2000, Orlando, Florida. Presented an invited plenary paper entitled, "Trials and tribulations: On what evidence shall we base recommendations for preventive therapies?"
- June 2002 American Diabetes Association 2002 Annual Meeting. June 16, 2002, San Francisco, CA. "HRT and Cardiovascular Disease: News and Views."
- April 2003 American College of Obstetricians and Gynecologists Annual Meeting. April 28, 2003, New Orleans, LA. "Clarifying the Role of Hormone Therapy: The Experts Debate."
- March 2005 NIH State-of-the-Science Conference on Management of Menopause-related Symptoms. March 21-23, 2005, Bethesda, MD. "Estrogen with and without progestin: benefits and risks of short-term use."

- September 2005 16th Annual Meeting of the North American Menopause Society; 2005 theme: "Menopause and Healthy Aging." September 28-October 1, 2005. "Insights on managing menopause and promoting healthy aging from the Women's Health Initiative."
- February 2006 WHI Conference: The WHI Legacy to Future Generations of Women, Update on Scientific Contributions. February 28 - March 1, 2006, Bethesda, MD. "The Calcium and Vitamin D Supplementation Trial: Other bone findings."
- April 2006 30th Annual Oregon State University Gerontology Conference. April 6-7, 2006, Corvallis, Oregon. "Lessons learned from the Women's Health Initiative"
- May 2006 The de Tornay Healthy Aging Spring Lecture. School of Nursing, University of Washington. May 25, 2006, Seattle, WA. "From prevention trials to practice: what 160,000 US women have taught us about staying well."
- October 2006 Bone Health Symposium: New Concepts in Fracture Risk Assessment and Treatment of Osteoporosis. October 21, 2006, Gig Harbor, WA. "The role of hormonal therapies for osteoporosis."
- June 2007 NIA Workshop on Unexplained Fatigue in the Elderly. June 25-26, 2007, Bethesda, MD. "Fatigue in Later Life: Epidemiology, Consequences and Other Mysteries."
- September 2007 Nutrition and Aging XXII: Frailty in Older Adults. September 11-12, 2007, Little Rock, Arkansas. Organized by GRECC and Central Arkansas Veterans Healthcare System. "Predictors and Consequences of Frailty in Older Women from the Women's Health Initiative."
- November 2010 Integrating Geriatrics into Comparative Effectiveness Research. Bethesda, Maryland. Organized by the American Geriatrics Society. "The Role of Observational Studies."

International Teaching and Consultation

- June 1991 Second Course of Geriatric Epidemiology, Padova, Italy
Two-week course sponsored by the Italian Society of Gerontology and Geriatrics and the Institute of Internal Medicine, University of Padova
- June 1991 Netherlands Heart Foundation, The Hague, Netherlands
Consultation regarding planning for a theme year (1993) on prevention in the elderly
- June 1992 First and Third Courses of Geriatric Epidemiology, Padova, Italy
Beginning and Advanced courses of geriatric epidemiology sponsored by the Italian Society of Gerontology and Geriatrics and the Institute of Internal Medicine, University of Padova

Invited Lectures

- 1985-90 "Race, Socio-economic Status and Coronary Heart Disease",
"Psychosocial Risk Factors for Coronary Artery Disease",
Cardiovascular Epidemiology Course, School of Hygiene and Public Health,
The Johns Hopkins University
- 1986 "Coffee Consumption and the Incidence of Coronary Heart Disease",
The University of North Carolina at Chapel Hill
- 1988-89 "Data Sources on the Elderly: Major Studies on Aging",
"Psychosocial Issues in the Epidemiology of Health and Disease in the Elderly",
Epidemiology of Aging Course, School of Hygiene and Public Health,

The Johns Hopkins University.

- 1989 "How to Interpret Epidemiologic Controversies",
University of Hawaii, Department of Epidemiology 1989
"Thiazide Use and Incidence of Hip Fracture", Yale University, Department of
Epidemiology
- 1990-98 "Race, Socioeconomic Status and Coronary Heart Disease,"
"Cardiovascular Disease in Women,"
Cardiovascular Epidemiology course, University of Washington
- 2008 "Update on Hormone Therapies and Prevention of Major Chronic Diseases in
Postmenopausal Women"; "Subgroup Analysis: What's Real in a Pile of P-Values?";
"New Insights into the Etiology of Hip Fracture: Clinical Risk Factors, Biomarkers and
Genes". November 20, 2008. University of Alabama, Birmingham.
- 2010 "Practical Issues in the Conduct and Reporting of Large-Scale Clinical Trials: The
Women's Health Initiative Experience." Fourth Seattle Symposium in Biostatistics: Clinical
Trials. November 21, 2010. Seattle, WA.

Editorial Review

New England Journal of Medicine
Journal of the American Medical Association
American Journal of Epidemiology
Annals of Epidemiology
Circulation
American Journal of Public Health
Journal of the American Geriatrics Society
American Journal of Preventive Medicine
Preventive Medicine
Journal of Aging and Health
Osteoporosis International

BIBLIOGRAPHY

Research Papers in Refereed Journals

1. James SA, LaCroix AZ, Kleinbaum DG, Strogatz DS. John Henryism and blood pressure differences in black men: the role of occupational stressors. *J Behav Med* 1984;7:257-273.
2. Williams CA, Beresford SA, James SA, LaCroix AZ, Strogatz DS, Wagner EH, Kleinbaum DG, Cutchin LM, Ibrahim MA. Social support, social stressors and treatment dropout: the Edgecomb County High Blood Pressure Control Program. *Am J Public Health* 1985;75:483-486.
3. LaCroix AZ, Mead LA, Liang K-Y, Thomas CB, Pearson TA. Coffee consumption and the incidence of coronary heart disease. *N Engl J Med* 1986;315:977-982.
4. Rautaharju PM, LaCroix AZ, Savage DD, Haynes SG, Madans JH, Wolf HK, Hadden W, Keller J, Cornoni-Huntley J. Electrocardiographic estimate of left ventricular mass vs. radiographic cardiac size and the risk of cardiovascular disease mortality in white and black men and women: results from the NHANES I Epidemiologic Follow-up Study. *Am J Cardiol* 1988;62:59-66.
5. Havlik RJ, LaCroix AZ, Kleinman JC, Ingram D, Harris T, Cornoni-Huntley J. Antihypertensive drug therapy and survival by treatment status in a national survey. *Hypertension* 1989;13,Supplement 1:128-132.

6. Pieper C, LaCroix AZ, Karasek RA. The relationship of psychosocial dimensions of work with coronary heart disease risk factors: A meta-analysis of five US data bases. *Am J Epidemiol* 1989;129:483-494.
7. Reed DM, LaCroix AZ, Karasek RA, Miller FD, MacLean CA. Occupational strain and the incidence of coronary heart disease. *Am J Epidemiol* 1989;129:495-502.
8. LaCroix AZ, Haynes SG, Havlik R, Savage D. Rose Questionnaire angina among United States black, white and Mexican-American women and men: Prevalence and correlates from the Second National and Hispanic Health and Nutrition Examination Surveys. *Am J Epidemiol* 1989;129:669-686.
9. Cornoni-Huntley J, LaCroix AZ, Havlik RJ. Race and sex differentials in the impact of hypertension in the United States: The NHANES I Epidemiologic Follow-up Study. *Arch Intern Med* 1989;149:780-788.
10. Liu IY, White L, LaCroix AZ. The association between age-related macular degeneration and lens opacities in the aged. *Am J Public Health* 1989;79:765-769.
11. LaCroix AZ, Lipson S, Miles TP, White L. A prospective study of pneumonia hospitalization and mortality in U.S. older people: the role of chronic conditions, health behaviors, and nutritional status. *Public Health Rep* 1989;104:350-361.
12. LaCroix AZ, Guralnik JM, Curb JD, Wallace RB, Ostfeld AM, Hennekens CH. Chest pain and coronary heart disease mortality among older men and women in three communities. *Circulation* 1990;81:437-446.
13. LaCroix AZ, Wienpahl J, White L, Wallace RB, Scherr P, George LK, Huntley J, Ostfeld AM. Thiazide diuretics and the incidence of hip fracture. *N Engl J Med* 1990;322:286-290.
14. Colsher PL, Wallace RB, Pomrehn PR, LaCroix AZ, Cornoni-Huntley J, Blazer D, Scherr P, Berkman L, Hennekens CH. Demographic and health characteristics of elderly smokers: results from the Established Populations for Epidemiologic Studies of the Elderly. *Am J Prev Med* 1990;6:61-70.
15. Liu IY, LaCroix AZ, White LR, Kittner SJ, Wolf PA. Cognitive impairment and mortality in the aged: A study of possible confounders. *Am J Epidemiol* 1990;132:136-143.
16. Pearson TA, LaCroix AZ, Mead LA, Liang K-Y. The prediction of midlife coronary artery disease and hypertension in young adulthood: The Johns Hopkins Multiple Risk Equations. *Am J Prev Med* 1990;6(suppl 1):23-28.
17. Curb JD, Guralnik JM, LaCroix AZ, Korper S, Deeg D, Miles T, White L. Effective aging: meeting the challenge of growing older. *J Am Geriatr Soc* 1990;38:827-828.
18. Rautaharju PM, LaCroix AZ, Savage DD, Cox CS, Madans JH, Warren J, Wolf HK, Hadden W. Heart size estimates indexed optimally to body and chest size: I. The effect of age and hypertensive status. *Am J Noninvas Cardiol* 1990;4:104-114.
19. Rautaharju PM, Cox CS, Madans JH, LaCroix AZ, Savage DD, Calhoun HP, Wolf HK, Hadden W. Heart size estimates indexed optimally to body and chest size: II. Prognostic value for cardiovascular disease mortality. *Am J Noninvas Cardiol* 1990;4:187-192.
20. Scholes D, LaCroix AZ, Wagner EH, Grothaus LC, Hecht JA. Tracking progress towards national health objectives in the elderly: What do restricted activity days signify? *Am J Public Health* 1991;81:485-488.
21. Guralnik JM, LaCroix AZ, Branch LG, Kasl SV, Wallace RB. Morbidity and disability in older persons in the years prior to death. *Am J Public Health* 1991;81:443-447.
22. LaCroix AZ, Lang J, Scherr P, Wallace RB, Cornoni-Huntley J, Berkman L, Curb JD, Evans D, Hennekens CH. Smoking and mortality among older men and women in three communities. *N Engl J Med* 1991;324:1619-1625.

23. Wagner EH, Grothaus LC, Hecht JA, LaCroix AZ. Factors associated with participation in a senior health promotion program. *The Gerontologist* 1991;31:598-602.
24. *Leveille SG, LaCroix AZ, Hecht JA, Grothaus LC, Wagner EH. The cost of disability in older women and opportunities for prevention. *J Womens Health* 1992;1:53-61.
25. Scherr PA, LaCroix AZ, Wallace RB, Berkman L, Curb JD, Huntley J, Evans DA, Hennekens CH. Light to moderate alcohol consumption and mortality in the elderly. *J Am Geriatr Soc* 1992;40:651-657.
26. Salive ME, Cornoni-Huntley J, LaCroix AZ, Ostfeld AM, Wallace RB, Hennekens CH. Predictors of smoking cessation and relapse in older adults. *Am J Public Health* 1992;82:1268-1271.
27. LaCroix AZ, Yano K, Reed DM. Dehydroepiandrosterone sulfate, incidence of myocardial infarction, and extent of atherosclerosis in men. *Circulation* 1992;86:1529-1535.
28. Wagner EH, LaCroix AZ, Grothaus LC, Hecht JA. Responsiveness of health status measures to change among older adults. *J Am Geriatr Soc* 1993;41:241-248.
29. Guralnik JM, LaCroix AZ, Abbott RD, Berkman LF, Satterfield S, Evans DA, Wallace RB. Maintaining mobility in late life: Part I. Demographic characteristics and chronic conditions. *Am J Epidemiol* 1993;137:845-857.
30. LaCroix AZ, Guralnik JM, Berkman L, Wallace RB, Satterfield S. Maintaining mobility in late life: Part II. Smoking, alcohol consumption, physical activity and body mass index. *Am J Epidemiol* 1993;137:858-869.
31. Seeman TE, Berkman LF, Kohout F, LaCroix AZ, Glynn R, Blazer D. Inter-community variations in the association between social ties and mortality in the elderly: a comparative analysis of three communities. *Ann Epidemiol* 1993;3:325-335.
32. Wagner EH, LaCroix AZ, Grothaus L, Leveille SG, Hecht JA, Artz K, Odle K, Buchner DM. Preventing disability and falls in older adults: a population-based randomized trial. *Am J Public Health* 1994;84:1800-1806.
33. Klag MJ, Mead LA, LaCroix AZ, Liang K-Y, Pearson TA, Levine DM. Coffee intake and coronary heart disease. *Ann Epidemiol* 1994;4(6):425-433.
34. *Wallace JI, Schwartz RS, LaCroix AZ, Uhlmann RF, Pearlman RA. Involuntary weight loss in elderly outpatients: incidence and clinical significance. *J Am Geriatr Soc* 1995;43(4):329-337.
35. LaCroix AZ, Leveille S, Hecht J, Grothaus L, Wagner E. Does walking reduce the risk of cardiovascular disease and death in older adults? *J Am Geriatr Soc* 1996;44(2):113-120.
36. *Newton KM, LaCroix AZ. Association of body mass index with reinfarction and survival after first myocardial infarction in women. *J Womens Health* 1996;5:433-444.
37. Sullivan M, LaCroix AZ, Grothaus L, Resnick A, Katon W, Wagner EH. Severity of coronary artery disease and functional impairment: how strong is the relation? *J Am Geriatr Soc* 1996;44:1-5.
38. *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;145:1-9.
39. *Newton KM, LaCroix AZ, Leveille SG, Rutter C, Keenan NL, Anderson LA. Women's beliefs and decisions about hormone replacement therapy. *J Womens Health* 1997;6(4): 459-65.
40. Coleman EA, Tyll L, LaCroix AZ, Allen C, Leveille SG, Wallace JL, Buchner DM, Grothaus LC, Wagner EH. Recruiting African-American older adults for a community-based health promotion intervention: which strategies are effective? *Am J Prev Med* 1997;13(Suppl 2):51-56.

41. *Leveille SG, LaCroix AZ, Koepsell TD, Beresford S, Van Belle G, Buchner DM. Do dietary antioxidants prevent postmenopausal osteoporosis? *Nutr Res* 1997;17(8): 1261-1269.
42. Sullivan MD, LaCroix AZ, Baum C, Grothaus L, Katon WJ. Functional status in coronary artery disease: a one-year prospective study of the role of anxiety and depression. *Am J Med* 1997;103:348-356.
43. *Leveille SG, LaCroix AZ, Newton KM, Keenan N. Older women and estrogen replacement therapy: Factors influencing late-life initiation. *J Am Geriatr Soc* 1997;45:1-5.
44. *Leveille SG, LaCroix AZ, Koepsell TD, Beresford S, Van Belle G, Buchner DM. Dietary vitamin C and bone mineral density in postmenopausal women. *J Epidemiol Community Health* 1997;51(5): 479-485.
45. Sullivan MD, LaCroix AZ, Russo J, Katon WJ. Self-efficacy and functional status in coronary heart disease: a six-month prospective study. *Psychosom Med* 1998;60:473-478.
46. Newton KM, LaCroix AZ, Leveille SG, Rutter C, Keenan NL, Anderson LA. The physicians' role in women's decision making about hormone replacement therapy. *Obstet Gynecol* 1998;92:580-584.
47. *Edwards KL, Burchfiel CM, Sharp DS, Curb JD, Rodriguez BL, Fujimoto WY, LaCroix AZ, Vitiello MV, Austin MA. Multivariate factors of the insulin resistance syndrome in non-diabetic and diabetic elderly Japanese American men. *Am J Epidemiol* 1998;147:441-447.
48. Cummings SR, Black D, Thompson DE, Applegate WB, Barrett-Connor E, Musliner TA, Prineas R, Rubin SM, Scott J, Vogt T, Wallace R, Yates AJ, LaCroix AZ. Effect of alendronate on risk of fracture in women with low bone density but without vertebral fractures: results of the Fracture Intervention Trial. *JAMA* 1998;280:2077-2082.
49. Teri L, McCurry SM, Buchner DM, Logsdon RG, LaCroix AZ, Kukull WA, Barlow WE, Larson EB. Exercise and activity level in Alzheimer's disease: a potential treatment focus. *J Rehabil Res Dev* 1998;35:411-419.
50. *Buist D, LaCroix AZ, Newton KM, Keenan NL. Longterm hormone replacement therapy users: how are they different? *Am J Epidemiol* 1999;149(3):275-281.
51. *Malmgren JA, Koepsell TD, Martin DP, Diehr P, LaCroix AZ. Mortality, health services use, and health behavior in a cohort of well older adults. *J Am Geriatr Soc* 1999;47:51-59.
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53. Scholes D, LaCroix AZ, Ichikawa L, Ott SM, Barlow W. Bone mineral density in women using depot medroxy progesterone acetate for contraception. *Obstet Gynecol* 1999;93(2):233-238.
54. Anderson LA, Caplan LS, Buist DSM, Newton KM, Curry SJ, Scholes D, LaCroix AZ. Perceived barriers and recommendations concerning hormone replacement therapy counseling among primary care providers. *Menopause* 1999;6:161-166.
55. *Jacobs, EJ, White E, Weiss NS, Heckbert SR, LaCroix AZ, Barlow WE. Hormone replacement therapy and colon cancer among members of a health maintenance organization. *Epidemiology* 1999;10:445-451.
56. Mandelson MT, LaCroix AZ, Anderson LA, Nadel MR, Lee NC. A comparison of self-reported fecal occult blood testing with automated laboratory records among older women in a health maintenance organization. *Am J Epidemiol* 1999;15:617-621.
57. Sullivan M, LaCroix A, Russo J, Swords E, Somson M, Katon W. Depression in coronary heart disease: what is the appropriate diagnostic threshold? *Psychosomatics* 1999;40:286-292.
58. LaCroix AZ, Newton KM, Anderson LA, Buist DSM, Curry SJ, Scholes D, Keenan NL. A population-

based strategy for improving informed decision-making about hormone replacement therapy in managed care settings. *Womens Health Issues* 1999;9:306-318.

59. *Phelan EA, Burke W, Deyo RA, Koepsell TD, LaCroix AZ. Delivery of primary care to women: Do women's health centers do it better? *J Gen Intern Med* 2000;15:8-15.
60. *Hill DA, Weiss NS, LaCroix AZ. Adherence to postmenopausal hormone therapy during the year following the initial prescription: a population-based study. *Am J Obstet Gynecol* 2000;182:270-276.
61. Chan KA, Andrade SE, Boles M, Buist DSM, Chase GA, Donahue JG, Goodman MJ, Gurwitz JH, LaCroix AZ, Platt R. Inhibitors of hydroxymethylglutaryl-coenzyme A reductase and risk of fracture among older women. *Lancet* 2000;355:2185-2188.
62. Sullivan MD, LaCroix AZ, Spertus JA, Hecht J, Rutter CM. Five-year prospective study of the effects of anxiety and depression in patients with coronary artery disease. *Am J Cardiol* 2000;86(10):1135-1138.
63. *Buist, DM, LaCroix AZ, Black D, Harris F, Blank J, Ensrud K, Edgerton D, Rubin S, Fox KM for the Fracture Intervention Trial Research Group. Inclusion of older women in randomized clinical trials: factors associated with taking study medication in the Fracture Intervention Trial. *J Am Geriatr Soc* 2000;48:1126-1131.
64. Civic D, Scholes D, Ichikawa LE, Ott SM, Barlow B, LaCroix AZ. Depressive symptoms in users and non-users of Depot Medroxyprogesterone Acetate. *Contraception* 2000;61:385-390.
65. Greenlund KJ, Keenan NL, Anderson LA, Mandelson MT, Newton KM, LaCroix AZ. Does provider prevention orientation influence female patients' preventive practices? *Am J Prev Med* 2000;19:104-110.
66. LaCroix AZ, Ott SM, Ichikawa L, Scholes D, Barlow B. Low Dose Hydrochlorothiazide and Preservation of Bone Density in Older Adults: Results of a Three-Year Randomized Controlled Clinical Trial. *Ann Intern Med* 2000;133:516-526.
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68. Leveille SG, Gray S, Black DJ, LaCroix AZ, Ferrucci L, Volpato S, Guralnik JM. A new method for identifying antibiotic-treated infections using automated pharmacy records. *J Clin Epidemiol* 2000;53:1069-1075.
69. Mandelson MT, Curry SJ, Anderson LA, Nadel MR, Lee NC, Rutter CM, LaCroix AZ. Colorectal cancer screening participation by older women. *Am J Prev Med* 2000;19:149-154.
70. *Buist DM, LaCroix AZ, Barlow WE, White E, Bauer D, Cauley J, Weiss NS. Bone mineral density and endogenous hormones and risk of breast cancer. *Cancer Causes Control* 2001;12:213-222.
71. Ott SM, Scholes D, LaCroix AZ, Ichikawa LE, Yoshida C, Barlow WE. Effect of contraceptive use on bone biochemical markers in young women. *J Clin Endocrinol Metab* 2001;86:179-185.
72. Sullivan MD, LaCroix AZ, Russo JE, Walker EA. Depression and self-reported physical health in patients with coronary disease: mediating and moderating factors. *Psychosom Med* 2001;63:248-256.
73. *Buist DM, LaCroix AZ, Barlow WE, White E, Weiss NS. Bone mineral density and breast cancer risk in postmenopausal women. *J Clin Epidemiol* 2001;54:417-422.
74. *Phelan E, Newton KM, Buist DSM, Anderson LA, LaCroix AZ. Understanding attitudes of older women towards hormone replacement therapy. *Prev Med* 2001;32:49-56.

75. Psaty BM, Smith NL, Lemaitre RN, Vos HL, Heckbert SR, LaCroix AZ, Rosendaal FR. Hormone replacement therapy, prothrombotic mutations, and the risk of non-fatal myocardial infarction in postmenopausal women. *JAMA* 2001;285:906-913.
76. Newton KM, LaCroix AZ, Buist DSM, Anderson LA, Delaney K. What factors account for differences in hormone replacement therapy prescribing frequency? *Maturitas* 2001;39:1-10.
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78. *Rice MM, LaCroix AZ, Lampe JW, van Belle G, Kestin M, Sumitani M, Graves AB, Larson EB. Dietary soy isoflavone intake in older Japanese American women. *Public Health Nutr* 2001;4:943-952.
79. Newton KM, LaCroix AZ, Buist DSM, Delaney KM, Anderson LA. Women's responses to a mailed HRT workbook. *Menopause* 2001;8:361-367.
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*Designates a student/fellow publication.

Other Published Scholarly Papers

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16. Newton KM, LaCroix AZ, Buist DSM. Overview of CVD Risk Factors. In: *Women's Health*. Goldman, MB, Hatch MC (eds.). San Diego, CA: Academic Press, 2000: 757-770.
17. Reed SD, Newton KM, LaCroix AZ. Indications for hormone therapy: the post-Women's Health Initiative Era. *Endocrinology and Metabolism Clinics of North America* 2004;33(4):691-715.
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Invited Editorials

1. Heckbert SR, LaCroix AZ. Cardiovascular event classification in the very old: how accurate and how complete? *Epidemiology* 1997; 8(5): 473-4.
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Letters to the Editor

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2. LaCroix AZ, Mead LA, Liang K-Y, Thomas CB, Pearson TA. Coffee consumption and the incidence of coronary heart disease. *New England Journal of Medicine* 1987;316:947.
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RESEARCH HISTORY FROM 10/89 – Present

COMPLETED FUNDED RESEARCH					
TITLE	ROLE	DATES	FUNDING AGENCY	TOTAL DIRECT COSTS	PUBLISHED PAPERS*
The Effect of Thiazide Diuretic Therapy on Bone Density at the Proximal Femur in Elderly Hypertensives	Principal Investigator	1/1/90 - 9/14/90	Centers for Disease Control	\$15,000	
Prevention of Cardiovascular-related Disability in the Elderly: Identification of Modifiable Factors in the Disability Process	Principal Investigator	7/1/90 - 6/30/93	Brookdale Foundation	\$134,559	37, 42, 45, 57, 62
Prevention Center: Health Promotion and Disease Prevention in the Elderly	Co-Investigator	9/30/93 - 9/30/03	Centers for Disease Control	\$7,000,000	32, 35, 51
Prevention of Cardiovascular Disability: The Role of Psychosocial Factors	Co-Principal Investigator	7/1/91 - 6/30/94	American Heart Association -- Washington Affiliate	\$115,032	37, 42, 45, 57, 62, 90
Fracture Intervention Trial (FIT)	Principal Investigator	10/1/91 - 3/31/97	Merck, Sharp and Dohme Laboratories	\$1,943,799	48, 63, 70, 80
Thiazide Diuretics and Rate of Bone Loss in the Elderly	Principal Investigator	9/30/92 - 6/30/98	National Institute on Aging	\$1,830,725	66, 91
Aging and Dementia: Reducing Disability in Alzheimer's Disease	Co-investigator	7/1/93 - 6/30/98	National Institute on Aging	\$1,485,582	49, 101
Alzheimer's Disease Patient Registry	Co-investigator	7/1/93 - 6/30/03	National Institute on Aging	\$2,160,291	
Depo-provera Use and Bone Mineral Density in Young Women	Co-Principal Investigator	9/1/94 - 6/30/03	NICHHD	\$1,500,000	53, 84, 104
Delivery of Preventive Services to Older Women in HMO's	Principal Investigator	9/30/94 - 9/30/99	Centers for Disease Control	\$700,000	39, 43, 46, 50, 54, 56, 58, 69, 76, 79
Estrogen Replacement and CVD Outcomes in Diabetic Women	Co-Principal Investigator	7/1/96 - 6/30/00	NHLBI/NIDDK	\$500,801	36, 38
A Study to Compare the Effectiveness of Two Risk-based Osteoporosis Prescreening Instruments	Principal Investigator	2/1/97 - 7/31/00	Merck & Co.	\$350,000	83, 102, 108, 116

Alternative Therapies for Menopause: A Randomized Trial	Co-Investigator PI: Newton	7/1/00-6/30/04	Office of Alternative Medicine/NIA	\$2.1 million	119, 138, 139, 142, 147
Platelet Polymorphisms and Risk of CHD in Postmenopausal Women	Co-Investigator PI: Bray	9/1/2003 – 8/31/2006	NHLBI	\$1.5 million	156
HRT Decision Making in the Post-WHI Era	Co-Investigator PI: Newton	4/1/2004 – 3/31/2007	NIA	\$1.4 million	145, 164
WHI Sex Hormone & Genetic Risk Factors for Hip Fracture	Co-Investigator PI: Cummings	4/1/04 – 3/31/06	NIAMS R01-AR048919	\$30,000 (annual direct subcontract costs)	153, 154, 155, 162
Hip Geometry and Risk of Fracture in the Women's Health Initiative	Co-Investigator PI: Z. Chen	9/1/2003 – 8/31/2006	NIAMS	\$1.5 million	146,158
Subclinical Hypothyroidism and Risk of MI and Stroke	Co-Investigator PI: Hartmann	4/1/04 – 3/31/07	NHLBI RO1-HLO76645	\$66,332 FHCRC subcontract	
Frailty in WHI: Drugs, Inflammatory and Genetic Markers	Principal Investigator	9/15/2005 – 7/31/2009	NIA 1 R01 AG025441-01A1	\$920,150	118, 149, 161, 165, 170, 190
Estradiol, Cytokines & Bone Turnover-Effects on Fracture	Co-investigator PI: JA Cauley	7/1/05 – 6/30/08	NIAMS 1 R01 AR052105-01	\$66,332	175
Anemia and Its Relationship with Sarcopenia, Physical Function, and Mortality	Co-investigator PI: Z. Chen	12/1/2006-11/30/2009	NIA 1R01 AG029133-01	\$953,901	210
*Numbers correspond to citation listed in Bibliography.					

CURRENTLY FUNDED RESEARCH

Title: Women's Health Initiative Clinical Coordinating Center
Role: Co-Principal Investigator (Co-Investigator prior to 4/96)
Dates: September 1992 - March 2016
Funding Agency: National Institutes of Health
Total Direct Costs: Extension funding - \$55 million
Description: This project is the Clinical Coordinating Center for NHLBI's extended follow-up of women enrolled in the Women's Health Initiative Clinical Trial program (4 trials testing low-fat diet,

hormone therapy and supplemental calcium and Vitamin D as preventive therapies for coronary heart disease, fractures and breast cancer in post-menopausal women) or the Observational Study. The current extension involves continued follow-up for primary disease outcomes (cancer, CVD, fracture, heart failure and CMS linkage) and an in-person visit to collect new biospecimens, measure pulse, blood pressure and weight, and conduct the Short Physical Performance Battery.

Title: **Oral Contraceptive Use and Bone Density in Young Women**
Role: Co-Investigator (Delia Scholes, PI, Group Health Research Institute)
Dates: 4/1/2004 – 5/31/13
Funding Agency: NICHD
Total Direct Costs: \$2.4 million
Description: This prospective study examines the association of low dose oral contraceptive use with change in bone density prospectively in pre-menopausal women and adolescents.

Title: **Biomarkers and Genetic Factors Related to Sarcopenia in Older Women**
Role: Co-Investigator (Z Chen, PI, U. Arizona)
Dates: 9/15/07 – 6/30/2011 (in no-cost extension thru 6/30/12)
Funding Agency: NIAMS 1 R01 AR052105-01
Total Direct Costs: \$52,849 (annual direct FHCRC subcontract costs)
Major Goals: The primary objective of this study is to investigate biological mechanisms for sarcopenia by identifying genetic factors and biomarkers that are relevant to low skeletal muscle mass (SMM) and high rates of SMM loss in older women.

Title: **Health Care Improvement for Aging Women**
Role: Principal Investigator
Dates: 4/1/06 – 3/31/11 Renewal application for funding through 2016 scored 10.0
Funding Agency: NIA T32 AG027677-01
Total Direct Costs: \$736,940 (through Group Health Research Institute)
Major Goals: The purpose of this training program application is to prepare postdoctoral public health scientists, primarily epidemiologists, health services researchers, behavioral scientists, and academic clinicians, to produce the evidence that will guide optimum, efficient, and cost-effective healthcare practices for older women in the future.

Title: **Genome-wide Association Study to Identify Genetic Components of Hip Fracture**
Role: Co-Principal Investigator (Rebecca Jackson, PI, Ohio State University)
Dates: 1/12007-9/30/2009 (in no-cost extension)
Funding Agency: NHLBI BAA WH-06-09
Total Direct Costs: \$4 million
Major Goals: The major goal of this project is to perform a genome-wide SNP analysis to identify reproducible genetic alterations that make postmenopausal women susceptible to hip fracture.

Title: **Endogenous Estradiol and Effects of Estrogen Therapy on Major Outcomes of WHI**
Role: Co-Investigator (Steve Cummings, PI, California Pacific Medical Institute)
Dates: 1/12007-12/31/2009 (in no-cost extension)
Funding Agency: NHLBI BAA WH-06-09
Total Direct Costs: \$1.5 million
Major Goals: To determine whether effects of hormone therapy on CHD, stroke, hip fracture, breast cancer, and dementia vary by pre-randomization levels endogenous estradiol in postmenopausal women.

Title: **Oral Contraceptive Use and Risk of Fracture Around the Time of Menopause**
Role: Co-Investigator (Delia Scholes, PI, Group Health Research Institute)
Dates: 9/1/08 – 5/31/13
Funding Agency: NIA/NICHD/NIAMS
Total Direct Costs: \$1,912,492

Major Goals: To conduct a case-control study of incident fracture in women ages 45-59 to determine associations with current oral contraceptive use, duration of oral contraceptive use and age at oral contraceptive use.

Title: **Epidemiology of Putative Genuine Genetic Variants: The Women's Health Initiative**
Role: Co-Investigator (Charles Kooperberg, PI, FHCRC)
Dates: 7/17/08 – 5/31/12
Funding Agency: NHGRI/NCI U01 HG0047901
Total Direct Costs: \$1,093,576 (annual direct)
Major Goals: The goal of this application is to examine the population incidence for racial and ethnic subgroups and associated risks of rigorously define, incident diseases; to investigate associated risks given in-depth information on various environmental exposures and disease risk factors as well as three randomized interventions; and to link genetic variants to relevant intermediate phenotypes.

Title: **Alzheimer's Disease Patient Registry – Adult Changes in Thought Study (ADPR-ACT)**
Role: Co-Investigator (Eric Larson, PI, Group Health Research Institute)
Dates: 9/1/09 – 8/31/14
Funding Agency: NIH U01 AG006781-22A1
Total Direct Costs: \$23,461 (annual subcontract direct costs)
Major Goals: To continue to collect detailed epidemiologic, clinical and family pedigree data on incident dementia patients of the Alzheimer's type, and to describe disease course; cognitive and functional decline, as well as survival rates.

Title: **Cadmium Exposure and Risk of Breast Cancer in the Women's Health Initiative**
Role: Co-Investigator (Polly Newcomb, PI, FHCRC)
Dates: 9/1/11 – 5/31/14
Funding Agency: NIH/NIEHS R01 ES019667
Total Direct Costs: \$202,500
Major Goals: This project seeks to perform a more definitive test of this hypothesis that cadmium, a widespread and persistent heavy metal pollutant, may be associated with breast cancer.

Title: **GWAS of Hormone Treatment and CVD and Metabolic Outcomes in the WHI**
Role: Co-Investigator (Alex Reiner, PI, FHCRC)
Dates: 9/25/09 – 7/31/12
Funding Agency: NIH/NHGRI NIH 1U01HG005152-01
Total Direct Costs: \$350,126
Major Goals: The goal of this project is to identify common genetic variants that reproducibly alter risk of CHD, stroke, VTE, and incident diabetes after exposure to hormone therapy (estrogen alone or estrogen + progestin) in postmenopausal women from the Women's Health Initiative randomized clinical trial.

Title: **Menopausal Strategies:-Finding Lasting Answers for Symptoms and Health (MsFLASH)**
Role: LaCroix and Anderson (PIs)
Dates: 9/15/08 – 6/30/13
Funding Agency: NIA U01 AG032699, in response to RFA-AG-08-004, New Interventions for Menopausal Symptoms
Total Direct Costs: \$2,153,143 (annual direct costs for Year 1)
Major Goals: The long-term objective of NIA's RFA-AG-08-004 entitled, "New Interventions for Menopausal Symptoms (U01) is to accelerate progress in identifying effective remedies for vasomotor symptoms (VMS) in women going through the menopausal transition. We have created a network of scientists who are highly knowledgeable about the menopausal transition and experienced in the conduct of women's health trials to fulfill this mission. This multidisciplinary investigator group is conducting five randomized controlled trials

testing a range of behavioral, mind-body, hormonal and pharmacologic interventions to treat hot flashes.

Title: **Enhancing Vaginal Aging: Probiotics, Estrogen, and the Microbiome (EVA) (competing renewal of MsFLASH, U01 AG032699)**
Role: LaCroix and Anderson (PIs)
Dates: 09/01/13 – 08/31/18
Funding Agency: NIA U01 RFA-AG-08-004, New Interventions for Menopausal Symptoms (PAR-11-213)
Total Direct Costs: \$2,133,289 (annual direct costs for Year 1)
Major Goals: The long-term goal is to understand and improve the quality of (enhance) vaginal aging (EVA). The existing MsFLASH network of institutions will continue to collaborate on this new study of aging women. The Data Coordinating Center (DCC) will provide and coordinate all necessary leadership activities to facilitate collaboration and productivity in this group during all phases in the lifecycle of EVA clinical trials from hypothesis formulation to publication, dissemination, and data sharing.

The network will conduct a set of translational studies focused on testing treatments for postmenopausal vaginal symptoms and examining the role of the vaginal microbiome in relation to the presence of symptoms and treatment efficacy. This in-depth focus on vaginal symptoms in aging women will use state of the art microbiologic techniques to define the biology of the postmenopausal vagina, to investigate a new probiotic therapy, and will provide the first efficacy *and* comparative effectiveness data on this novel treatment modality.

Title: **Objective Physical Activity and Cardiovascular Health in Women Aged 80 and Older**
Role: Principal Investigator
Dates: 9/1/11 – 3/31/2015
Funding Agency: NHLBI R01 HL105065-01A1 (10th percentile)
Total Direct Costs: \$3.6 million
Major Goals: The purpose of this four year project is to determine how much, how vigorous and what patterns of physical activity are necessary to maintain cardiovascular health among older women. Accelerometers will be used to characterize the amounts and patterns of physical activity. In a cohort of 8000 WHI participants aged 80 and older we will: 1) Determine the association of total volume of physical activity (light, moderate and vigorous) as measured by accelerometry and risk of **incident CVD**; 2) Determine the associations of moderate-to-vigorous-intensity physical activity (MVPA) and sedentary time to **risk of incident CVD**; 2.1) Conduct a calibration study designed to determine accelerometry thresholds for women aged 80 and older that distinguish sedentary from light activity and light activity from moderate to vigorous activity in order to make Aim 2 directly relevant to older women; 3) Compare the magnitude and independence of associations between accelerometer measures of physical activity and sedentary time, and self-reported measures of MVPA and sedentary time, with **incident CVD**; and 4) Determine associations of total volume of physical activity, MVPA and sedentary time in relation to risk of fall-related injuries and overall risk for any injury. To accomplish these aims, 8,000 face-to-face visits will be conducted nationwide among women aged 80 and older from the Women's Health Initiative (WHI) who were originally enrolled between 1993 and 1997. Participants will wear an accelerometer for 7 days, complete the CHAMPS and WHI physical activity questionnaires and be followed through at least 2015 (3-4 years) to ascertain study outcomes. For the calibration study, two WHI clinics will recruit 200 women for participation in a clinic visit to measure energy expenditure during various activities using indirect calorimetry. This evidence is crucial for formulating evidence-based physical activity guidelines that pertain to the growing population of older women in the US and worldwide.

TEACHING EXPERIENCE

Formal Classroom Teaching

Winters 1987-89 Instructor, Epidemiologic Methods (2A)

Department of Epidemiology, School of Hygiene and Public Health,
The Johns Hopkins University

Winters 1991-92, 1996, Spring 1999 as inde- pendent study	Epidemiologic Research in Aging Populations (Epidemiology 589: 3 credits) Department of Epidemiology, University of Washington, 100% responsibility, 6-10 students
Winter 1993- Spring 1995	Epidemiologic Controversies in Women's Health (Epidemiology 590I: 2-3 credits) Department of Epidemiology, University of Washington, 50% responsibility, 15 students
Spring 1994	Epidemiology Journal Club (1 credit), 100% responsibility, 12 students

Informal Teaching

1. Advising: 2-4 students

2. Master's students:

Wallace, Jeffrey I. Department of Epidemiology. "Involuntary Weight Loss in Elderly Outpatients: Incidence and Clinical Significance." Chairperson of thesis committee. June 1992.

Novais, Jaime. Department of Health Services. "Effects, safety and compliance with an exercise program in a senior center: a randomized trial." Committee member. June 1993.

Rock, Marion. Department of Epidemiology. "Quality of Dental Care Among Low Income Children in Seattle." Chairperson of thesis committee. June 1994.

Erickson, Janelle. Department of Epidemiology. "Factors associated with compliance with Fecal Occult Blood Testing in Women." Committee member. June 1999.

Elizabeth Phelan. Department of Epidemiology. "Quality of preventive care delivered to postmenopausal women by women's healthcare vs. internal medicine clinics." Chairperson of thesis committee. June 1999.

Gray, Shelly. Department of Epidemiology. "Benzodiazepine use and functional status in older adults." Chairperson of thesis committee. March 1998 – June 2001.

Jennifer Brennan. Department of Epidemiology. "Characteristics of women using alternative therapies for relief of menopausal symptoms. Chairperson of thesis committee. July 2000-June 2001.

3. PhD students:

Laura Harrington. Department of Epidemiology. 2011-present (1st year student).

Rebecca Drieling. Department of Epidemiology 2010-present (2nd year student).

Diana Buist. Department of Epidemiology. The association of bone mineral density and endogenous hormone levels with risk of breast cancer in post-menopausal women. Chairperson of dissertation committee. 1996-May 1999.

Karen L. Edwards. Department of Epidemiology. Genetic epidemiology of the insulin resistance syndrome: a multivariate approach. Committee member. June 1996.

Annette L. Fitzpatrick. Department of Epidemiology. Hypertension, use of antihypertensive medications, and risk of prostate cancer. Committee member. 1996-June 1999.

Deirdre Hill. Department of Epidemiology. Continuous combined vs. sequential administration of progestogen with estrogen replacement therapy in relation to risk of endometrial cancer. Committee member. 1994-1997.

John E. Hokanson. Department of Epidemiology. Linkage of small, dense low-density-lipoproteins to the lipoprotein lipase gene locus. Committee member. 1994-1998.

Eric Jacobs. Department of Epidemiology. Hormone replacement and colon cancer among Group Health Women. Committee member. June 1996.

Suzanne G. Leveille. Department of Epidemiology. Dietary antioxidants and postmenopausal osteoporosis. Chairperson of dissertation committee. June 1995.

Judith A. Malmgren. Department of Epidemiology. Relationship of health behaviors to mortality and health service use in the last year of life in a cohort of well older adults. Committee member. June 1995.

Katherine M. Newton. Department of Epidemiology. Postmenopausal estrogen replacement therapy and survival after myocardial infarction in women. Chairperson of dissertation committee. February 1995.

Madeline Murguia Rice. Department of Epidemiology. Phytoestrogens and bone mineral density among postmenopausal Japanese-American women: the Nikkei Bone Density Study. Chairperson of dissertation committee. 1993-June 1999.

Jean Shapiro. Department of Epidemiology. Diuretic use and other risk factors for renal cell carcinoma. Committee member. October 1996.

4. Independent Studies:

Michael del Aguila. Department of Epidemiology. Conducting randomized controlled clinical trials in older populations. Summer quarter, 1994.

Sascha Dublin. Department of Epidemiology (MD/PhD program). Women's health: selected topics, guided analytic projects. Summer quarter, 1995.

Maggie Baker and Shelly Gray. Department of Epidemiology. Epidemiologic research in aging populations. Spring quarter, 1999.

5. Post-doctoral fellows:

Katherine M. Newton. Center for Health Studies, Group Health Cooperative. 1995-1997.

Jeannette Beasley, PhD. NIA T32 Postdoctoral Fellow in "Healthcare Improvement for Aging Women" Training Program. April 2008-April 2010.

Susan Lakey, PharmD, MS. NIA T32 Postdoctoral Fellow in "Healthcare Improvement for Aging Women" Training Program. September 2008-August 2010.

Sarah Tom, PhD. NIA T32 Postdoctoral Fellow in "Healthcare Improvement for Aging Women" Training Program. September 2009-September 2010.

Rebecca Seguin, PhD. NIA T32 Postdoctoral Fellow in "Healthcare Improvement for Aging Women" Training Program. April 2009-August 2011.

Eileen Rillamas-Sun, PhD. NIA T32 Postdoctoral Fellow in "Healthcare Improvement for Aging Women" Training Program. September 2010 - present.

Gillian Marshall, PhD. NIA T32 Postdoctoral Fellow in "Healthcare Improvement for Aging Women" Training Program. April 2011-present.

Other Teaching

August 1989-94 15th-20th Annual 10-Day Seminars on Cardiovascular Epidemiology sponsored by the American Heart Association and the National Heart, Lung and Blood Institute. Faculty member presenting lectures on "Race, Socioeconomic status and Coronary Heart Disease," "Cardiovascular Disease in the Elderly," and "Sex differences in Coronary Heart Disease."

Also see international teaching and consultation on page 4.

Fred Hutchinson Cancer Research Center Service

Member of FHCRC Institutional Conflict of Interest Committee. 2005-present.

Chairperson of promotion committee for Kathy Malone's promotion to full professor; 2006-2006.

Speaker in FHCRC Development Program: November 2006, Bellevue Club, Bellevue, WA.

Speaker in FHCRC Science Spectrum Event. August 2008; Sun Valley, Idaho.

Participant in inaugural "Hutch Hike". October 2008; Enumclaw, WA.

Speaker in FHCRC Science Spectrum Event. May 2011; Palm Desert, CA.

Member of FHCRC Communications Advisory Board. September 2011-present.

University Service

University of Washington, School of Public Health and Community Medicine. Chairperson of an ad hoc Committee on Women's Health convened by Dean Omenn (January 1994 - December 1995)

Group Health Cooperative Service

Member of GHC's Committee on Prevention. 1995-2004.

Member of GHC's Guideline Review Group. June 1998-July 2004.

Member of Center for Health Studies, Scientific Policy Committee. August 1998-July 2000.

Member of the Lifetime Health Monitoring Committee that works on innovation and redesign of preventive services at Group Health. 1994-1996.

Member of the Osteoporosis Clinical Guideline Committee that has developed an evidence-based guideline for the primary and secondary prevention of osteoporosis and fracture at Group Health. 1995-1999.

Member of Steering Committee, Cardiovascular Health Research Unit, 1993-2006.