

**CURRICULUM VITAE****GERARDO HEISS, M.D., M.Sc., Ph.D., FAHA****IDENTIFYING INFORMATION**

Position Title: W.R. Kenan, Jr. Distinguished Professor  
Department of Epidemiology  
School of Public Health  
University of North Carolina at Chapel Hill

Business Phones: (919) 966-1967 (Department of Epidemiology)  
(919) 962-3253 (Department of Biostatistics)

**EDUCATIONAL RECORD**

1960-68 Doctor of Medicine, School of Medicine, University of Chile at Santiago.

1968-71 Clinical Scholarship: Department of Public Health and Social Medicine (Teaching Fellow), and Department of Internal Medicine (Clinical Trainee), University of Chile

1971-73 M.Sc., Social Medicine, University of London, London School of Hygiene, England.

1974-76 Ph.D., Epidemiology, Department of Epidemiology, School of Public Health, University of North Carolina at Chapel Hill.

**EMPLOYMENT RECORD**

1968-74 Teaching Fellow, Department of Public Health and Social Medicine, University of Chile at Santiago

1974-76 Graduate Research Assistant, Department of Epidemiology, School of Public Health, University of North Carolina at Chapel Hill

1976-80 Research Assistant Professor, Department of Epidemiology, School of Public Health, University of North Carolina at Chapel Hill

1981-84 Research Associate Professor, Department of Epidemiology, School of Public Health, University of North Carolina at Chapel Hill

1979-81 Associate Director, Central Patient Registry and Coordinating Center, Lipid Research Clinics Program

1984-87 Associate Professor, Department of Epidemiology, School of Public Health, University of North Carolina at Chapel Hill.

1985-87 Director, Publications Division, Collaborative Studies Coordinating Center, Department of Biostatistics, University of North Carolina at Chapel Hill.

1987-2007 Professor, Department of Epidemiology, School of Public Health, University of North Carolina at Chapel Hill.

1995-2010 Director of Graduate Studies, Department of Epidemiology, School of Public Health, UNC-CH

2007- W.R. Kenan, Jr. Distinguished Professor, Department of Epidemiology, School of Public Health, University of North Carolina at Chapel Hill.

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1999- Adjunct Professor, Division of Public Health Sciences, Wake Forest University

2007- Visiting Professor, School of Public Health, Faculty of Medicine, University of Chile

### **SCHOLASTIC AWARDS**

1968-71 Fellowship, Department of Health and Social Medicine, University of Chile

1971-73 Fellowship, Pan American Health Organization

1993 Edward C. McGavran Award for Teaching, School of Public Health, UNC at Chapel Hill

1998 Bernard G. Greenberg Alumni Endowment Award, School of Public Health, UNC at Chapel Hill

2000 Distinguished Contributions, Epidemiology and Statistics Section, North Carolina Public Health association

2011 John E. Larsh Award for Mentorship

2015 American Heart Association – Mentorship Award

### **PROFESSIONAL AFFILIATIONS**

- Sigma Xi (University of North Carolina Chapter)
- American Public Health Association – Member, Epidemiology Section
- Society for Epidemiologic Research
- International Society and Federation of Cardiology
- Society for Clinical Trials
- Delta Omega, The Honorary Public Health Society (Theta Chapter)
- North Carolina Public Health Association
- American Heart Association – Fellow, Council on Epidemiology, Council on Arteriosclerosis

### **TEACHING/MENTORING SERVICE**

Director of Graduate Studies (1995 - 2010), Department of Epidemiology, School of Public Health.  
Chair, Graduate Studies Committee (1995 - 2015), Department of Epidemiology, School of Public Health.

Director, NRSA/NHLBI Cardiovascular Disease Epidemiology Training Program (1992 - 2012), Co-Program Directors (2012-present) Dept. of Epidemiology, School of Public Health, University of North Carolina at Chapel Hill.

Academic Program Committee (member, 2005 -2010), School of Public Health, University of North Carolina at Chapel Hill.

**COURSES TAUGHT (last ten years)**

Cardiovascular Disease Epidemiology – EPID 735 (Co-Instructor) – Yearly 1995-2015  
 Epidemiologic Research Methods - EPID 725-726 (Co-Instructor) – Yearly 1998-2014  
 Adv. Cardiovascular Epidemiology Seminar – EPID 687 (Instructor) – Yearly 1998-present  
 Doctoral Seminar – EPID 799A (co-instructors) 2019-2020

Courses taught abroad:

Research Design and Implementation - University at Ulm, Germany  
 Clinical Trials - University of Chile at Santiago, Chile (Co-instructor)  
 Cardiovascular Disease Epidemiology - University of Heidelberg, Germany  
 Cardiovascular Disease Epidemiology - University of Ulm, Germany  
 Research Design and Implementation - University of Chile, Santiago

**PARTICIPATION IN NHLBI-SPONSORED WORKSHOPS**

1979 High Density Lipoprotein Methodology Workshop  
 1981 Hypertriglyceridemia and Atherosclerosis  
 1982 Workshop on Apolipoprotein Quantification  
 1983 Consensus Development Conference on Treatment of Hypertriglyceridemia  
 1988 Workshop on Trends and Determinants of Coronary Heart Disease Mortality:  
 1990 Cholesterol and Heart Disease in Older Persons and in Women  
 1992 Consensus Development Conference on Triglycerides, HDL and CHD  
 1996 Workshop on Pulmonary Function Testing in NHLBI Population-Based Studies  
 1999 NHLBI Workshop on Research Training and Career Development  
 2013 Embedding Clinical Interventions into Observational Studies

**MEMBERSHIP IN ADVISORY COMMITTEES - FORMER**

1977-1978 Task Force on Prevention of Cardiovascular Disease in the Young, NHLBI  
 1982-1987 Data Review Board, B-Scan Assessment Program, NHLBI  
 1990-1992 American Heart Association Committee on Health Statistics  
 1998-2009 Observational Studies Monitoring Board, CARDIA Study, NHLBI  
 2003-2008 Advisory Board: Sisters Study, National Institute of Environmental Health Sciences

**MEMBERSHIP IN ADVISORY COMMITTEES - CURRENT**

2005 - Ministry of Research and Education, Germany / Advisory Panel to the German National Cohort  
 2008 - NHLBI – COPDgene Data and Safety Advisory Board  
 2008 - 2019 NHGRI – Electronic Medical Record and Genomics Network (eMERGE)

**SERVICE ON STUDY SECTIONS**

1984-1990 Clinical Trials Review Committee  
 2001-2004 Veteran's Administration Epidemiology Merit Review Committee, USVA  
 2005-2006 KNOD Study Section  
 2010-2014 NITM Study Section  
 2015-2017 CASE – Ad hoc reviewer  
 2017-2020 NINDS - ZNS1 SRB G(15) – Special emphasis panel

**HONORS**

1971-73 Fellowship, Pan American Health Organization  
 1996 Edward C. McGavran Award for Teaching  
 1998 Bernard G. Greenberg Alumni Endowment Award  
 2011 John E. Larsh Award for Mentorship  
 2015 American Heart Association Mentorship Award

**A. Publications in Refereed Journals**

Belmar R, Fassler C, **Heiss G**, Lopez J, Weber C, Weinstein L. Enseñanza de la salud pública y medicina social en el área central. Rev Med Chil 1971;99:529-535.

Beaglehole R, **Heiss G**, Cassel J, Tyroler HA. Prevalence and incidence data in the assessment of the risk of coronary heart disease. Am J Epidemiol 1975;102:55-62.

Heyden S, Tyroler HA, Cassel JC, Becker C, **Heiss G**. Coffee consumption and mortality in a community study - Evans County, Georgia. Z Ernährungswissenschaften 1976;14:143-150.

**Heiss G**, Tyroler HA, Hames C. Cholesterol tracking; prediction over time of serum cholesterol in Evans County, Ga. Adv Exp Med Biol 1977;82:112-4.

Heyden S, Tyroler HA, **Heiss G**, Hames CG, Bartel AG. Coffee consumption and mortality. Arch Intern Med 1978;138:1472-1475.

Heyden S, Heyden F, **Heiss G**, Hames CG. Cigarette smoking and coffee drinking in cancer patients, patients with cardiovascular disease, and controls. A prospective study in Evans County, Georgia. Aktuelle Ernährungsmedizin 1978;4:117.

Rifkind BM, Tamir I, **Heiss G**, Wallace RB, Tyroler HA. Distribution of high density and other lipoproteins in selected Lipid Research Clinics prevalence Study populations: A brief survey. Lipids 1979;14:105-112.

Heyden S, **Heiss G**, Manegold CH, Tyroler HA, Hames CG, Bartel AG, Cooper G. The combined effect of cigarette smoking and coffee drinking on LDL and HDL cholesterol. Circulation 1979;60:22-25.

Heyden S, Heyden F, **Heiss G**, Hames CG. Smoking and coffee consumption in three groups: Cancer deaths, cardiovascular deaths, and living controls. J Chron Dis 1979;32:673-677.

The Lipid Research Clinics Program. Plasma lipid distributions in selected North American populations: The LRC Program Prevalence Study. Circulation 1979;60:427.

Morrison J, deGroot I, Kelly K, Mellies M, Khoury P, Lewis D, Lewis A, Firoelli M, Tyroler HA, **Heiss G**, Glueck C. Black-white differences in plasma lipoproteins in Cincinnati schoolchildren. Metabolism 1979;28:241.

Morrison J, deGroot I, Kelly K, Mellies M, Khoury P, Edwards B, Lewis D, Lewis A, Fiorelli M, **Heiss G**, Tyroler HA, Glueck C. Black-white differences in plasma lipids and lipoproteins in adults: The Cincinnati Lipid Research Clinics Population Study. Prev Med 1979;8:34-39.

Beaglehole R, LaRosa J, **Heiss G**, Davis CE, Williams OD, Tyroler HA, Rifkind B. Serum cholesterol, diet, and the decline in coronary heart disease mortality. Prev Med 1979;8:538-547.

Wallace RB, Tamir I, **Heiss G**, Rifkind BM, Christensen B, Glueck CJ. Plasma lipids, lipoproteins, and blood pressure in female adolescents using oral contraceptives. J Pediatr 1979;95:1055-1059.

Wallace RB, Hoover J, Barrett-Connor E, Rifkind BM, Hunninghake DB, Mackenthun A, **Heiss G**. Altered plasma lipid and lipoprotein associated with oral contraceptive and estrogen use. Lancet

1979;ii:111-115.

Christensen B, Glueck CE, Kwiterovich P, deGroot I, Chase G, **Heiss G**, Mowery R, Tamir I, Rifkind BM. Plasma cholesterol and triglyceride distributions in children and adolescents. Pediatr Res 1980;14:194-202.

**Heiss G**, Tamir I, Davis CE, Tyroler HA, Rifkind B, Schonfeld G, Jacobs D, Frantz ID. Lipoprotein cholesterol distributions in selected North American populations: The Lipid Research Clinics Program Prevalence Study. Circulation 1980;61:302-315.

Tamir I, **Heiss G**, Glueck C, Christensen B, Kwiterovich P, Rifkind B. Lipid and lipoprotein distributions in white children ages 6 to 17 years. The Lipid Research Clinics Program Prevalence Study. J Chron Dis 1980;34:27-39.

Morrison JA, Khoury P, Kelly K, Mellies MJ, Parrish E, **Heiss G**, Tyroler HA, Glueck CJ. Studies of blood pressure in schoolchildren (ages 6-19) and their parents in an integrated suburban school district. Am J Epidemiol 1980;111:156.

Heyden S, **Heiss G**, Bartel AG, Hames CG. Sex differences in coronary mortality among diabetics in Evans County, Georgia. J Chron Dis 1980;33:265-273.

Heyden S, **Heiss G**, Hames CG, Bartel AG. Fasting triglycerides as predictors of total and CHD mortality in Evans County, Georgia. J Chron Dis 1980;33:275-282.

**Heiss G**, Tyroler HA, Gunnells JC, McGuffin WL, Hames CG. Dopamine-hydroxylase in a biracial community: Demographic, cardiovascular, and familial factors. J Chron Dis 1980;33:301.

Tyroler HA, **Heiss G**, Heyden S, Hames CG. Family follow-up study of serum cholesterol in Evans County, Georgia. J Chron Dis 1980;33:323.

Heyden S, **Heiss G**, Heyman A, Tyroler HA, Hames CG, Patzschke V, Manegold C. Cardiovascular mortality in transient ischemic attacks. Stroke 1980;11:252-255.

Tyroler HA, **Heiss G**, Schonfeld G, Cooper G, Heyden S, Hames CG. Lipoprotein apoproteins AI, All, and CII in black and white residents of Evans County, Georgia. Circulation 1980;62:249-254.

**Heiss G**, Haskell WL, Mowery RL, Criqui M, Brockway M, Tyroler HA. High density lipoprotein cholesterol and socioeconomic status: The Lipid Research Clinics Program Prevalence Study. Circulation 1980;62(suppl IV):108-115.

Criqui MH, Wallace RB, **Heiss G**, Mishkel M, Schonfeld G, Jones GTL. Cigarette smoking and plasma high density lipoprotein cholesterol. The Lipid Research Clinics Program Prevalence Study. Circulation 1980;62(suppl IV):70-76.

Haskell WL, Taylor HL, Wood PD, Schrott H, **Heiss G**. Strenuous physical activity, treadmill exercise test performance, and high density lipoprotein cholesterol. The Lipid Research Clinics Program Prevalence Study. Circulation 1980;62 (suppl IV):53-61.

**Heiss G**, Johnson NJ, Reiland S, David CE, Tyroler HA. The epidemiology of plasma high density lipoprotein cholesterol levels. The Lipid Research Clinics Program Prevalence Study. Circulation 1980;62(suppl IV):116-136.

Morrison JA, Khoury P, Laskarzewski P, Gartside P, Moore M, **Heiss G**, Glueck CJ. Hyperalphalipoproteinemia in hypercholesterolemic adults and children. Trans Assoc Am Physicians 1980;92:230-243.

Glueck CJ, **Heiss G**, Morrison JA, Khoury P, Moore M. Alcohol, cigarette smoking, and plasma lipids and lipoproteins in 12-19 year old children. The Collaborative Lipid Research Clinics Prevalence Study. Circulation 1981;64(suppl III):48-56.

Wallace RB, Lynch CF, Pomrehn PR, Criqui MH, **Heiss G**. Alcohol and hypertension: Epidemiologic and experimental considerations. The Lipid Research Clinics Program. Circulation 1981;64(suppl III):41-47.

Hunninghake DB, Wallace RB, Reiland S, Barrett-Connor E, Wahl P, Hoover J, **Heiss G**. Alterations of plasma lipid and lipoprotein levels associated with benzodiazepine use. The LRC Program Prevalence Study. Atherosclerosis 1982;40:159-165.

Wallace RB, Barrett-Connor E, Criqui MH, Wahl P, Hoover J, Hunninghake DB, **Heiss G**. Alterations in blood pressure associated with combined alcohol and oral contraceptive use. The Lipid Research Clinics Program. J Chron Dis 1982;35:251-257.

Kwiterovich PO, **Heiss G**, Johnson NJ, Chase GA, Tamir I, Rifkind BM. Assessment of plasma total cholesterol as a test to detect young subjects with Type IIa hyperlipoproteinemia. Am J Epidemiol 1982;115:192-204.

Criqui MH, Wallace RB, Mishkel MA, Barrett-Connor E, **Heiss G**. Alcohol consumption and blood pressure: The Lipid Research Clinics Program Prevalence Study. Hypertension 1982;3:557-565.

Weitzman S, Wagner GS, **Heiss G**, Haney TL, Slome C. Myocardial infarction site and mortality in diabetes. Diabetes Care 1982;5:31-35.

Sheffield TL, Haskell WL, **Heiss G**, Kioschos M, Leon A, Roitman D, Schrott H. Safety of exercise testing volunteer subjects. The Lipid Research Clinics Prevalence Study experience. J Card Rehab 1982;2:395-400.

Cowan LD, Wallace RB, Barrett-Connor E, Hunninghake D, Pomrehn P, Wahl P, **Heiss G**. Alterations in clinical chemistry measures associated with oral contraceptive and estrogen use. The Lipid Research Clinics Program. J Reprod Med 1982;27:275-282.

Criqui MH, Mebane I, Wallace RB, **Heiss G**, Holdbrook MJ. Multivariate correlates of adult blood pressures in nine North American populations: The Lipid Research Clinics Program. Prev Med 1982;11:391-402.

Schwarz W, Trost DC, Reiland SL, Rifkind BM, **Heiss G**. Correlates of low density lipoprotein cholesterol. Associations with physical, chemical, dietary, behavioral characteristics. The Lipid Research Clinics Program Prevalence Study. Arteriosclerosis 1982;2:513-522.

Criqui MH, Haskell WL, **Heiss G**, Tyroler HA, Green P, Rubenstein CJ. Predictors of systolic blood pressure response to treadmill exercise. Circulation 1983;68:225-233.

Wahl P, Walden C, Knopp R, Hoover J, Wallace R, **Heiss G**, Rifkind B. Effect of

estrogen/progestin potency on lipid/lipoprotein cholesterol. N Engl J Med 1983;308:862-867.

Duncan BB, **Heiss G**. Non-enzymatic glycosylation of proteins: A new tool for the assessment of cumulative hyperglycemia in epidemiologic studies, past and future. Am J Epidemiol 1984;120(2):169-189.

Halfon S-T, Green M, **Heiss G**. Smoking habits and plasma lipoproteins in the Jerusalem examinees of the Lipid Research Clinics Program. Int J Epidemiol 1984;13: 177-183.

Greenberg RA, Green PP, Roggenkamp KJ, Barrett-Connor E, Tyroler HA, **Heiss G**. The constancy of parent offspring similarity of total cholesterol throughout childhood and early adult life. J Chron Dis 1984;37(1):833-838.

**Heiss G**, Schoenfeld G, Johnson JL, Heyden S, Hames CG, Tyroler HA. Black-white differences in plasma levels of apolipoproteins: The Evans County Heart Study. Am Heart J 1984;108:807-814.

Tyroler HA, Knowles MG, Wing SB, Logue EE, Davis CE, **Heiss G**, Heyden S, Hames CG. Ischemic heart disease risk factors and twenty-year mortality in middle-age Evans County black males. Am Heart J 1984;108(3)(Part 2):738-746.

Green MS, **Heiss G**, Rifkind BM, Cooper GR, Williams OD, Tyroler HA. The ratio of plasma high-density lipoprotein cholesterol to total and low-density lipoprotein cholesterol: age-related changes and race and sex differences in selected North American populations. Circulation 1985;72:93-104.

Baird DD, Tyroler HA, **Heiss G**, Chambless LE, Hames CG. Menopausal change in serum cholesterol. Am J Epidemiol 1985;122(6):982-993.

Barrett-Connor E, Wilcosky T, Wallace RB, **Heiss G**. Resting and exercise electrocardiographic abnormalities associated with sex hormone use in women. Am J Epidemiol 1986;123(1):81-88.

Johnson JL, Heineman EF, **Heiss G**, Hames CG, Tyroler HA. Cardiovascular disease risk factors and mortality among black women and white women aged 40-64 years in Evans County, Georgia. Am J Epidemiol 1986;123(2):209-220.

LaRosa JC, Chambless LE, Criqui MH, Frantz ID, Glueck CJ, **Heiss G**, Morrison JA. Patterns of dyslipoproteinemia in selected North American populations. Circulation 1986;73(Suppl I):12-29.

Criqui MH, Cowan LD, **Heiss G**, Haskell WL, Laskarzewski PM, Chambless LE. Frequency and clustering of non-lipid coronary risk factors in dyslipoproteinemia. Circulation 1986;73(Suppl I):40-50.

Glueck CJ, Laskarzewski PM, Suchindran CM, Chambless LE, Barrett-Connor E, Stewart P, **Heiss G**, Tyroler HA. Progeny's lipid and lipoprotein levels by parental mortality. Circulation 1986;73(Suppl I):51-61.

Wallace RB, Pomrehn P, **Heiss G**, Chambless LE, Johnson N, Patten R, Lippel K, Rifkind BM. Alterations in clinical chemistry levels associated with the dyslipoproteinemias. Circulation 1986;73(Suppl I):62-69.

Wallace RB, Hunninghake DB, Chambless LE, **Heiss G**, Weissfeld L, Johnson N, Wahl P, Barrett-Connor E. A screening survey of dyslipoproteinemias associated with prescription drug use.

Circulation 1986;73(Suppl I):70-79.

Rubenstein C, Romhilt D, Segal P, **Heiss G**, Chambless LE, Boyle KE, Ekelund LG, Adolph R, Sheffield LT. Dyslipoproteinemias and coronary heart disease manifestations. Circulation 1986;73(Suppl I):91-99.

Pomrehn P, Duncan B, Weissfeld L, Wallace RB, Barnes R, Heiss G, Ekelund LR, Criqui MH, Johnson N, Chambless LE. The association of dyslipoproteinemia with symptoms and signs of peripheral arterial disease. Circulation 1986;73(Suppl I):100-107.

Eisenberg S, Heiss G, Friedlander Y, Rifkind BM, Segal P, Williams OD, Stein Y. Comparison of plasma lipids, lipoproteins, and dyslipoproteinemia in Israel and the United States. Atherosclerosis 1986;50:63-74.

Kaufman NA, Dennis BH, **Heiss G**, Friedlander Y, Kark JD, Stein Y. Comparison of nutrient intake of selected populations in the United States and Israel. The Lipid Research Clinic Prevalence Study. Am J Clin Nutr 1986;43:604-620.

Walden C, Knopp RH, Johnson JL, **Heiss G**, Wahl PW, Hoover JJ. Effect of estrogen/progestin potency on clinical chemistry measures: The Lipid Research Clinics prevalence study. Am J Epidemiol 1986;123(3):517-531.

Knopp RH, Walden CE, Heiss G, Johnson JL, Wahl PW. Prevalence and clinical correlates of beta-migrating VLDL. The Lipid Research Clinics program prevalence study. Am J Med 1986;81:493-502.

Wing S, Hayes C, Heiss G, John E, et al. Geographic variation in the onset of decline of ischemic heart disease mortality in the United States. Am J Public Health 1986;76(12):1404-8.

Wallace RB, **Heiss G**, Burrows B, Graves K. Contrasting diet and body mass among users and non-users of oral contraceptives and exogenous estrogens: The Lipid Research Clinics program prevalence study. Am J Epidemiol 1987;125(5):854-9.

Friedlander Y, Bucher KD, Namboodiri KK, **Heiss G**, Kark JD, Tyroler HA, Eisenberg S, Stein Y, Rifkind BM. Parent-offspring aggregation of plasma lipids in selected populations in North America and Israel. Am J Epidemiol 1987;126(2):268-279.

Knoke JD, Hunninghake DB, **Heiss G**. Physiological markers of smoking and their relation to coronary heart disease. The Lipid Research Clinics coronary primary prevention trial. Arteriosclerosis 1987;7(5):477-482.

Criqui MH, Cowan LD, Tyroler HA, Bangdiwala S, **Heiss G**, Wallace RB, Cohn R. Lipoproteins as mediators for the effects of alcohol consumption and cigarette smoking on cardiovascular mortality: Results from the Lipid Research Clinics follow-up study. Am J Epidemiol 1987;126(4):629-637.

◆ Daniels SR, **Heiss G**, Davis CE, Hames CG, Tyroler HA. Race and gender differences in the correlates of blood pressure change. Hypertension 1988;11(3):249-55.

Duncan BB, Schmidt MI, Ellis GD, Davis CE, **Heiss G**. Frequency of early-morning rise in blood glucose in children with diabetes at camp. Diabetes Care 1988;11(7):574-8.



Sheps DS, **Heiss G**. Sudden death and silent myocardial ischemia. Am Heart J 1989;117(1):177-184.

The Atherosclerosis Risk in Communities (ARIC) Study: Design and objectives. The ARIC Investigators. Am J Epidemiol 1989;129(4):687-702.

Ekelund L, Suchindran CM, McMahon RP, **Heiss G**, Leon AS, Romhilt DW, Rubenstein CL, Probstfield JL, Ruwitt JF. Coronary heart disease morbidity and mortality in hypercholesterolemic men predicted from an exercise test: The Lipid Research Clinics coronary primary prevention trial. J Am Coll Cardiol 1989;14:556-63.

**Heiss G** (for the ARIC Steering Committee). The decline of Ischaemic heart disease mortality in the ARIC Study Communities. Int J Epidemiol 1989;18(3) (Suppl 1):S88-S98.

Somervell PD, Kaplan BH, Heiss G, Tyroler HA, Kleinbaum DG, Obrist PA. Psychologic distress as a predictor of mortality. Am J Epidemiol 1989;130(5):1013-1023.

Pekkanen J, Linn S, Heiss G, Suchindran CM, Leon A, Rifkind B, Tyroler HA. Ten-year mortality from cardiovascular disease in relation to cholesterol level among men with and without preexisting cardiovascular disease. N Engl J Med 1990;322:1700-1709.

Craven TE, Ryu JE, Espeland MA, Kahl FR, McKinney WM, Toole JF, McMahan MR, Thompson CJ, Heiss G, Crouse, JR. Evaluation of the associations between carotid artery atherosclerosis and coronary artery stenosis: A case-control study. Circulation 1990;82:1230-1242.

Brenner H, **Heiss G**. The Intraindividual variability of fasting triglyceride - A challenge for further standardization. Eur Heart J 1990;11:1054-1058.

**Heiss G**, Sharrett AR, Barnes R, Chambless LE, Szklo M, Alzola C, and the ARIC Investigators. Carotid atherosclerosis measured by B-mode ultrasound in populations: Associations with cardiovascular risk factors in the ARIC Study. Am J Epidemiol 1991;134(3):250-256.

Tell GS, Ryu JE, Thompson CJ, Kahl FR, Craven TE, Espeland M, Hagaman AP, **Heiss G**, Crouse JR III. Comparison of hospital and neighborhood controls in a study of coronary artery disease. J Clin Epidemiol 1991;44(10):1097-1104.

Riley WA, Barnes RW, Bond MG, Evans G, Chambless LE, **Heiss G** (For the ARIC Study Group). High-resolution B-mode ultrasound reading methods in the Atherosclerosis Risk in Communities (ARIC) Cohort. J Neuroimaging 1991;1:168-172.

◆ Sorel JE, **Heiss G**, Tyroler HA, Davis WB, Wing SB, Ragland DR. Black-white differences in blood pressure among participants in NHANES II: The contribution of blood lead. Epidemiol 1991;2:348-352.

Folsom AR, Burke GL, Byers CL, Hutchinson RG, **Heiss G**, Flack JM, Jacobs DR, Caan B. Implications of obesity for cardiovascular disease in blacks: The CARDIA and ARIC Studies. Am J Clin Nutr 1991;53:1604S-11S.

Mundt KA, Chambless LE, Burnham CB, **Heiss G**. Measuring ankle systolic blood pressure: Validation of the Dinamap 1846 SX. Angiology 1992;43(7):555-566.

◆ Haertel U, **Heiss G**, Filipiak B, Doering A. Cross-sectional and longitudinal associations between high density lipoprotein cholesterol and women's employment. Am J Epidemiol 1992;135(1):68-78.

Rifai N, **Heiss G**, Doetsch K. Lipoprotein(a) at birth, in blacks and whites. Atherosclerosis 1992;92:123-129.

Ferrario M, Cesana GC, Heiss G, Linn SA, Mocarelli P, Tyroler HA. Demographic and Behavioural correlates of high density lipoprotein cholesterol. An international comparison between northern Italy and the United States. Int J Epidemiol 1992;21(4):665-675.

Wu KK, Folsom AR, **Heiss G**, Davis CE, Conlan MG, Barnes R for the ARIC study investigators. Association of coagulation factors and inhibitors with carotid artery atherosclerosis. Early results of the atherosclerosis risk in communities (ARIC) study. Ann Epidemiol 1992;2:471-480.

Criqui MH, **Heiss G**, Cohn R, Cowan LD, Suchindran CM, Bangdiwala S, Kritchevsky S, Jacobs DR, O'Grady HK, Davis CE. Plasma triglyceride level and mortality from coronary heart disease. N Engl J Med 1993;328(17):1220-5.

Nabulsi AA, Folsom AR, White A, Patsch W, **Heiss G**, Wu KK, Szklo M. Association of hormone-replacement therapy with various cardiovascular risk factors in postmenopausal women. The Atherosclerosis Risk in Communities Study. N Engl J Med 1993;328(15):1069-75.

◆ Schreiner PJ, Morrisett JD, Sharrett AR, Patsch W, Tyroler HA, Wu K, Heiss G. Lipoprotein[a] as a risk factor for preclinical atherosclerosis. Arterioscler Thromb 1993;13(6):826-833.

Chambless LE, McMahon R, Finch A, Sorlie P, Heiss G, Lyles R, Wu KK. ARIC hemostasis study - III. Quality control. Thromb Haemost 1993;70(4):588-594.

Toole JF, Chambless LE, **Heiss G**, Tyroler HA, Paton CC. Prevalence of stroke and transient ischemic attacks in the Atherosclerosis Risk in Communities (ARIC) Study. Ann Epidemiol 1993;3(5):500-503.

Howard G, Sharrett AR, **Heiss G**, Evans GW, Chambless LE, Riley WA, Burke GL, for the ARIC Investigators. Carotid artery Intimal-medial thickness distribution in general populations as evaluated by B-mode ultrasound. Stroke 1993;24(9):1297-1304.

Tell GS, Evans GW, Folsom AR, Shimakawa T, Carpenter MA, Heiss G, for the ARIC Investigators. Dietary fat intake and carotid artery wall thickness: The Atherosclerosis Risk in Communities (ARIC) Study. Am J Epidemiol 1994;139(10):979-89.

◆ Schreiner PJ, Chambless LE, Brown SA, Watson RL, Toole J, **Heiss G**. Lipoprotein[a] as a correlate of stroke and transient ischemic attack prevalence in a biracial cohort: The ARIC Study. Ann Epidemiol 1994;4(5):351-359.

Crouse JR, Goldbourt U, Evans G, Pinsky J, Sharrett AR, Sorlie P, Riley W, **Heiss G**, for the ARIC Investigators. Arterial enlargement in the Atherosclerosis Risk in Communities (ARIC) Cohort. In vivo quantification of carotid arterial enlargement. The ARIC Investigators. Stroke 1994;25(7):1354-9.

Arnett DK, Rautaharju P, Crow R, Folsom AR, Ekelund LG, Hutchinson R, Tyroler HA, **Heiss G**, for the ARIC Investigators. Black-white differences in electrocardiographic left ventricular mass and its

association with blood pressure: The ARIC Study. Accepted in the Am J Cardiol 1994;74(3):247-252.

Howard G, Burke GL, Szklo M, Tell GS, Eckfeldt J, Evans G, **Heiss G**. Active and passive smoking are associated with increased carotid wall thickness. Arch Intern Med 1994;154(11):1277-1282.

◆ Li R, Duncan BB, Metcalf PA, Crouse JR, Sharrett AR, Tyroler HA, Barnes R, **Heiss G**. B-mode-detected carotid artery plaque in a general population. Stroke 1994;25(12):2377-2383.

Howard G, Burke GL, Evans GW, Crouse JR 3<sup>rd</sup>, Riley W, Arnett D, de Lacy R, **Heiss G**. Relations of Intimal-medial thickness among sites within the carotid artery as evaluated by B-mode ultrasound. ARIC Investigators. Atherosclerosis Risk in Communities. Stroke 1994;25(8):1581-1587.

Sharrett AR, Patsch W, Sorlie PD, **Heiss G**, Bond MG, Davis CE. Associations of lipoprotein cholesterol, apolipoproteins A-I and B, and triglycerides with carotid atherosclerosis and coronary heart disease. The Atherosclerosis Risk in Communities (ARIC) Study. Arterioscler Thromb 1994;14(7):1098-104.

Boerwinkle E, Brown S, Sharrett AR, **Heiss G**, Patsch W. Apolipoprotein E polymorphism influences Postprandial Retinyl Palmitate but not triglyceride concentrations. Am J Hum Genet 1994;54(2):341-360.

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## **B. Contributions to Books**

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### **C. Non-Refereed Publications**

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**D. Abstracts and Papers Presented at Scientific Meetings**

- Not tracked

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