

**Annual Report
July 1, 1997 - June 30, 1998
Department of Epidemiology**

I. Departmental Organization and Administration

Staff as of June 30, 1998

Administrative Staff

Nancy Colvin, Student Services Manager
Carolyn Cooke, Fiscal Manager
Amy Crume, Accounting Technician
Jane Foust, Administrative Secretary
Gail King, Administrative Manager
Susan King, Accounting Clerk
Lesa McPherson, Human Resources Manager
Carmen Woody, Student Services Assistant

Information Systems Staff

Roger Akers, Assistant to the Chair for Research
Richard Howard, Applications Analyst Programmer
Terry Hudgins, Director, Computer Services
Veda Manley, Computer Production Specialist

Computer Programming Staff

Eileen Gregory, Applications Analyst Programmer
Jean Keller, Applications Analyst Programmer
Robert Kleckner, Applications Analyst Programmer
Marvin McCauley, Applications Analyst Programmer
Vic Rhodes, Applications Analyst Programmer
Joanna Smith, Applications Analyst Programmer
Jessica Tse, Applications Analyst Programmer
Joy Wood, Applications Analyst Programmer

Secretarial Staff

Melissa Jones, Office Assistant
Edna Lennon, Office Assistant
Carol Morton, Office Assistant (part-time)
Sharon Pope, Office Assistant (research)
Virginia Reid, Office Assistant

Ellen Shanahan, Office Assistant

Research Staff

Heather Bergen, Research Technician

Philip Bors, Social Research Associate

Tammie Carlton, Social Research Assistant

Darrah Degnan, Social Research Associate

Phyllis Johnson, Administrative Assistant

Marilyn Knowles, Social Research Assistant

Catherine Paton, Social Research Associate

Jadis Robinson, Social Research Assistant

Deanne Rhodes, Research Technician

Jeffrey Vallee, Social Research Associate

Susanne Wolf, Research Associate

Boyd Yount, Research Technician

Clinical Research Staff (Women's Health Initiative)

Carolyn Brown-Francis, Medical Office Assistant

Elizabeth Coffey, Information Processing Assistant

Rebecca Damin, Social Research Assistant

Grandella Gipson, Medical Office Assistant

Julia Little, Clinical Nurse

Carly Perin, Accounting Technician

Sharon Robinson, Practical Nurse

Victoria Terry, Processing Assistant

Sara Wolf, Practical Nurse

Employee Terminations

Anne Bean, Office Assistant

Bethsadia Seagroves, Administrative Secretary

Kathryn Shriberg, Social Research Associate

Carry Croghan, Applications Programmer

II. Faculty and Students

A. List of Faculty [* indicates primary of multiple academic appointments]

1. Full-time

Lorraine Alexander, Clinical Assistant Professor

Ralph S. Baric, *Associate Professor, Epidemiology; Associate Professor,
Microbiology & Immunology
Kathleen Dorsey, Research Assistant Professor
Hilton Goulson, Emeritus Professor
J. Ed Hall, *Associate Professor, Epidemiology; Associate Professor, Pathology
Gerardo Heiss, Professor, Director of Graduate Studies
Irva Hertz-Picciotto, Associate Professor
Barbara S. Hulka, *Kenan Professor; Clinical Professor, Family Medicine; Adjunct
Professor of Community and Family Medicine, Duke University Medical Center
Michel A. Ibrahim, *Professor, Epidemiology; Professor, Social and Administrative
Medicine
Berton H. Kaplan, Professor Emeritus
Lenore Kohlmeier, Professor, Epidemiology; *Professor, Nutrition
Eugene Lengerich, Clinical Assistant Professor
Duangping Liao, Research Assistant Professor
Dana Loomis, Associate Professor
William Miller, Clinical Assistant Professor, Epidemiology; *Clinical Assistant
Professor, Medicine
Robert Millikan, Assistant Professor
Christine Moe, Assistant Professor
Carol Murphy, Clinical Instructor
Beth Newman, Assistant Professor
Andrew Olshan, Associate Professor
James Pankow, Assistant Professor
Wayne Rosamond, Assistant Professor
Rachel Royce, Assistant Professor
David A. Savitz, Professor & Chair
Victor J. Schoenbach, Associate Professor
J. Richard Seed, Professor
Cecil G. Sheps (Emeritus), Professor, Epidemiology; *Professor, Social and
Administrative Medicine
Carl M. Shy, *Professor, Emeritus, Epidemiology; Professor, Environmental
Sciences and Engineering; Clinical Professor, Family Medicine
Lola Stamm, Associate Professor
June Stevens, Associate Professor, Epidemiology; *Associate Professor, Nutrition
James Thomas, Associate Professor
Herman A. Tyroler, Emeritus, Alumni Distinguished Professor
Marilyn Vine, Assistant Professor
David Weber, Associate Professor, Epidemiology; *Associate Professor, Medicine
Kristen Weigle, *Associate Professor, Epidemiology; Associate Professor, Pediatrics

Steven B. Wing, Associate Professor

2. Part-time

Elizabeth Conlisk, Research Assistant Professor

3. Visiting

None

4. Adjunct and Fixed-Term Joint Appointments

Adaora Adimora, Clinical Assistant Professor, Epidemiology; *Assistant Professor, Medicine

Timothy Aldrich, Adjunct Associate Professor

Naomar Almeida-Filho, Adjunct Associate Professor

Elizabeth Andrews, Adjunct Associate Professor

Donna Baird, Adjunct Associate Professor

John Barefoot, Adjunct Associate Professor

James C. Barrett, Adjunct Professor

James Beck, Adjunct Professor; *Professor, Dental Ecology

Douglas Bell, Adjunct Assistant Professor

Dan German Blazer, Adjunct Professor

Brian A. Boehlecke, Clinical Associate Professor; *Associate Professor, Medicine

Robert Brown, Clinical Assistant Professor; *Assistant Professor, Medicine

Gregory Burke, Adjunct Professor

Leigh Callahan, Adjunct Assistant Professor

Dan Caplan, Adjunct Assistant Professor; *Assistant Professor, Dental Ecology

Timothy S. Carey, Clinical Associate Professor; *Associate Professor, Medicine

Willard Cates, Adjunct Professor

Dennis A. Clements, III, Adjunct Associate Professor

Thomas Cole, Adjunct Associate Professor

Glinda Cooper, Adjunct Assistant Professor

Joan Cornoni-Huntley, Adjunct Professor

John R. Crouse, Adjunct Professor

Gordon H. DeFriese, Clinical Professor, Epidemiology; *Professor, Social and Administrative Medicine

Robert Desowitz, Adjunct Professor

Sara Ephross, Adjunct Assistant Professor

Paul Feldblum, Adjunct Assistant Professor

Jo-David Fine, Clinical Professor, Epidemiology; *Professor, Dermatology

Suzanne Fletcher, Adjunct Professor

Judith A. Fortney, Adjunct Professor

Kimberly Fox, Clinical Assistant Professor

Jean French, Adjunct Professor
Joanne Garrett, Adjunct Associate Professor; *Research Associate Professor, Sheps
Center for Health Services Research
Peter Garrett, Adjunct Assistant Professor
Paul Godley, Clinical Assistant Professor
Raymond S. Greenberg, Adjunct Professor
Harry A. Guess, Adjunct Professor
Maria Hall, Adjunct Assistant Professor
Curtis G. Hames, Clinical Professor
Russell P. Harris, Adjunct Associate Professor; *Assistant Professor, Medicine
Abraham Hartzema, Clinical Professor; *Professor, Pharmacy
Ronald J. Hunt, Adjunct Professor; *Professor, Dental Ecology
Debra E. Irwin, Adjunct Assistant Professor
Sherman James, Adjunct Professor
Esther Janowsky, Adjunct Assistant Professor
David Jenkins, Adjunct Professor
Joanne Jordan, Adjunct Assistant Professor, *Research Assistant Professor,
Medicine
Ulrich Keil, Adjunct Professor
Suzanne Landis, Adjunct Associate Professor; *Clinical Assistant Professor,
Medicine
Denise Lewis, Adjunct Assistant Professor
Hester Lipscomb, Adjunct Assistant Professor
Ruth E. Little, Adjunct Professor
Stephanie London, Adjunct Associate Professor
Matthew Longnecker, Adjunct Associate Professor
J. Newton MacCormack, Adjunct Associate Professor
Peter Margolis, Clinical Associate Professor; *Assistant Professor, Pediatrics
Margaret F. McCann, Adjunct Associate Professor
William F. McDonnell, Adjunct Associate Professor
Michael McMahon, Clinical Assistant Professor; *Assistant Professor, OB/GYN
Melinda S. Meade, Adjunct Professor, Epidemiology; *Professor, Geography
Pauline Mendola, Adjunct Assistant Professor
Dexter Morris, Adjunct Assistant Professor; *Assistant Professor, Emergency
Medicine
Michael Moser, Adjunct Associate Professor
Lucas Neas, Adjunct Associate Professor
Joseph Norwood, Clinical Professor; *Professor, Pharmacy
George R. Parkerson, Adjunct Professor
Miquel Porta, Adjunct Associate Professor

David F. Ransohoff, Clinical Professor; *Professor, Medicine
Walter J. Rogan, Adjunct Professor
Bonnie Rogers, Clinical Associate Professor
Michael J. Rosenberg, Adjunct Professor
Andrew Rowland, Adjunct Assistant Professor
Carol Runyan, Adjunct Associate Professor; *Associate Professor, Health Behavior
and Health Education
Desmond K. Runyan, Clinical Professor; * Professor, Social and Administrative
Medicine
Gregory Samsa, Adjunct Assistant Professor
Dale Sandler, Adjunct Professor
Robert S. Sandler, Clinical Professor; *Professor, Medicine
Wilma Santana, Adjunct Assistant Professor
William Saunders, Adjunct Assistant Professor
Arnold Schecter, Adjunct Professor
Joellen M. Schildkraut, Adjunct Assistant Professor
Pamela Schwingl, Adjunct Assistant Professor
David Sheps, Clinical Professor; *Professor, Cardiology
Ilene C. Siegler, Adjunct Professor
Gary Slade, Clinical Assistant Professor
Betsy Sleath, Clinical Assistant Professor; *Assistant Professor, Pharmacy
Philip Sloane, Clinical Professor; *Professor, Family Medicine
C. Gregory Smith, Adjunct Associate Professor
David C. Sokal, Adjunct Assistant Professor
John Stamm, Adjunct Professor; *Professor and Dean, Dentistry
Paul E. Stang, Adjunct Assistant Professor
Ronald Strauss, Clinical Professor
David Strogatz, Adjunct Associate Professor
Jack Taylor, Adjunct Assistant Professor
Patricia Tennis, Adjunct Assistant Professor
Hugh H. Tilson, Adjunct Professor
James F. Toole, Adjunct Professor
Edward H. Wagner, Clinical Professor
Emmanuel Walter, Adjunct Assistant Professor
Clarice Weinberg, Adjunct Professor
Jane Weintraub, Adjunct Associate Professor
Suzanne West, Adjunct Assistant Professor
Alice White, Adjunct Assistant Professor
Timothy Wilcosky, Adjunct Associate Professor

Allen J. Wilcox, Adjunct Professor

Mark E. Williams, Clinical Professor, Epidemiology; *Professor, Medicine

Redford Williams, Adjunct Professor

Bonnie C. Yankaskas, Adjunct Associate Professor; *Associate Professor, Radiology

B. Changes During the Year

1. Additions

Charles Poole, III Associate Professor

Lori Carter-Edwards, Research Assistant Professor

Neal Simonsen, Research Assistant Professor

2. Promotions

None

3. Leaves

James Thomas, Off-Campus Assignment (7/1/97 – 6/30/98)

Andrew Olshan, Off-Campus Assignment (3/1/98 – 7/31/98)

4. Losses

Maria Hall, Clinical Assistant Professor

Edison Liu, Professor, Epidemiology; * Professor, Medicine

C. Special Achievements of Faculty

Gerardo Heiss received the Bernard G. Greenberg Alumni Endowment Award from the School of Public Health in recognition of his exceptional record of research, teaching, and service.

Irva Hertz-Picciotto has been appointed as Associate Editor for American Journal of Epidemiology. She also participated in the National Academy of Sciences Young Investigator Program to evaluate Environmental Health in the Donetsk Region of Ukraine in July 1997. Dr. Hertz-Picciotto traveled with a group of six American environmental health scientists and met a broad range of public health, medical, industrial hygiene and environmental professionals.

Dana Loomis was appointed to a five-year term on the Occupational Safety and Health Study Section, which reviews grant applications submitted to the National Institute of Occupational Safety and Health (NIOSH).

Andrew Olshan received the Shannon Award from the National Institutes of Health (NIH) in honor of Dr. James A. Shannon, former Director of NIH.

Victor Schoenbach was appointed as chair of the American College of Epidemiology Finance Committee.

D. Special Achievements of Students

Janet G. Alexander received an award of \$11,711 from Minority Health Research and Education Center Grant for a project entitled "Patient and Doctor Delays in the Diagnosis of Pulmonary TB".

Marie O'Neill received a travel grant from the UNC Institute for Latin American Studies for pre-dissertation research in Mexico. Her proposed research is on the interaction of poverty and air pollution as determinants of mortality in Mexico City.

Beverly J. Rockhill received the Bernard G. Greenberg Dissertation Award.

The Delta Omega, Theta Chapter, inducted the following persons in April 1998: **Kelly R. Evenson, Umo Isong, Amy E. Sayle, Ross J. Simpson, Diane Marie St. George, Marilyn Tseng.**

Julie L. Daniels received the Delta Omega Book Award in April 1998. She also received the W. R. Kenan On-Campus Dissertation Fellowship.

Sidney Kark Award for Distinguished Teaching Assistant was presented to **Kelly R. Evenson** and **Diane Marie St. George** in May 1998.

Kevin S. Ross received the Miriam Cole Scholarship, August 1997

Eric Duell received the 1998 Lineberger Graduate Award in the Population Sciences sponsored by the Cancer Research Foundation of America in recognition of an outstanding graduate student in the final year of dissertation research.

John D. Grabenstein received the 1998 Pinnacle Award for his work on increasing immunization rates among populations 65 years of age and older. Sponsored by Wyeth-Ayerst Global Pharmaceuticals, along with the American Pharmaceutical Association and the Health Care Quality Alliance.

Michelle A. Mendez received the Minority Predoctoral Fellowship, NIGMS, NIH.

Kelly R. Evenson was the School of Public Health Alumni Association Epidemiology Student Honoree, April 1998.

Diane Marie St. George received a Minority Predoctoral award from NCI.

Dana Bonas received a Minority Predoctoral award from NIH .

Tonya Stancil received Research Fellowship from NIAID.

Verna Lamar received a Minority Predoctoral award from NHLBI.

III. Instructional Programs

A. Major Changes in Courses or Curricula

Additions:

EPID 208A/B – Seminar in Critical Appraisal of the Medical Literature
(cross-listed with PUBH 251A/B; home department is PUBH)
EPID 221 – HIV/AIDS Epidemiology
EPID 277 – Environmental Epidemiology

Deletions:

EPID 220 – Health Promotion/Disease Prevention

B. New Programs or Deletions Made

In the past year no programs have been created or deleted. However, Dr. Michel Ibrahim has returned to his faculty position within the Department and has committed himself to enhancing the Health Care program area. Dr. Ibrahim is not only working to strengthen departmental interactions and relationships with the other UNC health affairs units (e.g., School of Medicine, School of Dentistry, School of Pharmacy), but is also dedicating his time and effort to developing the health care research area for non-clinicians as well as clinicians.

C. Changes in Learning Objectives

None

D. Special Courses or Programs Offered

None

E. Field Training Experience

None

IV. Research Program

A. Federal, State or Private Research and Training Funds Received

Baric R.

Studies into the mechanism for MHV, **Baric R.**, NIH, \$381,102

Hall J.E.

Novel prodrugs for treatment of opportunistic infections, **Hall J.E.**, PHARM-EC, \$37,725

Heiss G

Atherosclerosis risk in communities: field center & ultrasound reading center, **Heiss G.**, NIH, \$5,815,761

Cardiovascular epidemiology training grant, **Heiss G.**, NHLBI, \$263,899

Cohort study of heart rate variability, **Heiss G.**, NIH, \$332,390

FHS: Molecular Genetics and Genetic Epidemiology - MASTER/NC (family & genetics), **Heiss G.**, NIH, \$113,098

HyperGEN-Forsyth Co. Field Center, **Heiss G.**, NIH, \$63,010

Hertz-Picciotto I.

Environmental fate and human exposure to carcinogens - epidemiology core (Superfund), **Hertz-Picciotto I.**, NIEHS, \$188,912

Fetal PCB exposure, thyroid function & neurodevelopment, **Hertz-Picciotto I.**, NIEHS, \$225,842

Healthy Worker Survivor Effect, **Hertz-Picciotto I.**, CDC, \$182,241

What can epidemiology tell us about strategies for combining risk assessments for the individual constituents of carcinogenic complex mixture? An example for using cigarette smoke, **Hertz-Picciotto I.**, EPA, \$500,000

Hulka B.

Cancer Training Grant, **Hulka B.**, NCI, \$260,929

HRT Mammographic Density, **Hulka B.**, NCI, \$208,817

WHI Memory Study, **Hulka B.**, Bowman-Gray, \$187,233

Women's Health Initiative: Clinical Trials and Observational Study, **Hulka B.**, NIH, \$4,641,983

Ibrahim M.

Epidemiologic Resources & Information Center (ERIC), **Ibrahim M.**, VA Med Ctr, \$133,302

Partners in managing the health of the community, **Ibrahim M.**, HRSA, \$323,645

Kohlmeier L.

Fatty acids & tumor characteristics in breast cancer, **Kohlmeier L.**, NIH, \$530,942

Loomis D.

Bahia-US environmental epidemiology training and research, **Loomis D.**, FIC, \$309,000

Cancer mortality in minority workers, **Loomis D.**, CDC, \$243,897

Moe C

A prospective cohort study of Estuary associated syndrome in coastal North Carolina, **Moe C.**, **Savitz, D.**, **Weber, D.**, Wilkins, J., Hall, NCDHHS, \$2,611,268

A stratified, randomized, double-blind, placebo-controlled, volunteer study of intravenous ondansetron for the control of gastroenteritis associated nausea and vomiting caused by norwalk virus, **Moe C.**, GLAXO, \$107,680

Infectivity of Norwalk virus, **Moe C.**, EPA, \$587,842

Preparation and safety-testing of a Norwalk virus inoculum suitable for human challenge studies, **Moe C.**, GLAXO, \$27,761

Newman B.

Genetic epidemiology of malignant glioma, **Newman B.**, NIH, \$53,263

Sub-contract to Kaiser Permanente Division of Research, **Newman B.**, KAISER, \$56,806

Olshan A

A case control study of risk factors for Wilms tumor, **Olshan A.**, NIH, \$100,000

Carcinogen metabolizing enzymes & head & neck cancer, **Olshan A.**, NCI, \$553,910

Case-control study of risk factors for neuroblastoma, **Olshan A.**, NCI, \$586,093

Downs – Leukemia, **Olshan A.**, Univ Minnesota, \$36,238

Epidemiology of clubfoot, **Olshan A.**, Univ. Wash, \$39,184

IPA - Intergon Personnel Agricultural, **Olshan A.**, NCI, \$23,990

Non-Hodgkin's Lymphoma, **Olshan A.**, NCI, \$47,912

Weststat, **Olshan A.**, WESTAT, \$47,140

Poole C.

Genetic linkage study in Parkinson's disease, **Poole C.**, Boston Univ, \$6,310

Rosamond W.

The second delay in accessing stroke healthcare (Dash II) study, **Rosamond W.**, Glaxo-Wellcome, \$554,191

Royce R

Comparison group of HIV-uninfected pregnant women for Tuberculin skin testing & preventive therapy, **Royce R.**, DUKE, \$39,596

Evaluation of perinatal HIV prevention in North Carolina, **Royce R.**, Duke, \$317,037

Savitz D.

Epidemiologic study of utility workers exposed to electric & magnetic fields, **Savitz D.**, EPRI, \$667,760

Research to advance environmental epidemiology, **Savitz D.**, EPA, \$3,295,449

Supplement to research in environmental health, environmental biostatistics training grant, **Savitz D.**, NHLBI

Shy C

Adult Health Promotion Epidemiology, **Shy C.**, DEHNR, \$520,107

Stamm L.,

North Carolina STD Cooperative Research Center - #4, **Stamm L.**, NIAID, \$116,494

Thomas J.

North Carolina STD Cooperative Research Center - #6, **Thomas J.**, NIAID

Weigle K.,

Immunization assessments of North Carolina children. 1996-1998, **Weigle K.**, DEHNR

Paucibacillary tuberculosis, diagnosis & morbidity, **Weigle K.**, NIH, \$252,381

Pockets of Underimmunization, Prediction and Case Studies, **Weigle K.**, ASPH, \$279,204

Wing S.,

Ionizing radiation and mortality among Hanford workers, **Wing S.**, CDC, \$586,609

Southeast Halifax environmental reawakening, **Wing S.**, NIEHS, \$203,658

**Epidemiology Faculty Grants Administered Through
Other Departments**

Kohlmeier L.

Nutritional Training Grant, **Kohlmeier L.**, [Administered through Cancer Research Center]

Loomis D.

Occupational injury surveillance in North Carolina, **Loomis D.**, CDC [Administered through Injury Prevention Center]

Millikan R.

Methylenetetrahydrofolate reductase (MTHFR) polymorphism and colon cancer, **Millikan R.**, Cancer Res Found

Newman B.

Carolina Breast Study, **Newman B.**, NIH,

Rosamond W.

Supplement CVD prevention: BCCCP, **Rosamond W.**, NCHENR [Administered through Health Promotion Disease Prevention]

Savitz D.

Environment & breast cancer, **Savitz D.**, NCI [Administered through Cancer Research Center]

Environmental Training Grant, **Savitz D.**, [Administered through Biostatistics]

Epidemiology of preterm premature rupture of membranes, **Savitz D.**, NIH [Administered through Carolina Population Center]

Pesticides & breast cancer in North Carolina, **Savitz D.**, NIEHS [Administered through Carolina Population Center]

Psychosocial risks and preterm in African-American women, **Savitz D.**, NIH [Administered through Carolina Population Center]

Schoenbach V.

Quit Smoking, **Schoenbach V.**, [Administered through Cancer Research Center]

Rapp, **Schoenbach V.**, [Administered through Health Promotion Disease Prevention]

Stevens J.

The impact of age on the BMI mortality relationship, **Stevens J.**, NIH [Administered through Department of Nutrition]

Weigle K.

Diarrheal illness surveillance in child day care, **Weigle K.**, HRSI

B. Significant Publications

Ralph S. Baric

Baric RS, Yount B, Hensley L, Peel SA, & Chen W. (1997). Episodic evolution mediates interspecies transfer of a murine coronavirus. *J Virol*, 71, 1946-1955.

McKaig R, Baric R, & Olshan AF. (1998). HPV and head and neck cancer: a review. *Head Neck*, 20, 250-265.

Shieh YS, Baric RS, & Sobsey MD. (1997). Detection of low levels of enteric viruses in metropolitan and airplane sewage. *Appl Environ Microbiol*, 63, 4401-4407.

Stalcup RP, Baric RS, & Leibowitz JL. (1998). Genetic complementation among three panels of mouse hepatitis virus gene 1 mutants. *Virology*, 241, 112-21.

Lori Carter-Edwards

Carter-Edwards L, Bynoe MJ, & Svetkey LP. (1998). Knowledge of diet and blood pressure among African-Americans: use of focus groups for questionnaire development. *Ethn Dis*, In Press.

Carter-Edwards L, Haines PS, Tyroler HA, Davis CE, & Hutchinson R. (1998). Population-based study of African-American diabetics' nutritional agreement with the American Diabetes Association Recommendations. *Diabetes*, 47(Suppl 1), A149.

Kathleen Conway Dorsey

Gioeli D, Conway K, & Weissman BE. (1997). Localization and characterization of a chromosome 11 tumor suppressor gene using organotypic raft cultures. *Cancer Res*, 57, 1157-1165.

Olshan AF, Weissler MC, Pei H, Conway K, & Anderson S. (1997). Alterations of the p16 gene in head and neck cancer: Frequency and association with p53, PRAD-1 and HPV. *Oncogene*, 14, 811-818.

J. Ed Hall

Boykin DW, Kumar A, Xiao G, Wilson WD, Bender BC, McCurdy DR, Hall JE, & Tidwell RR. (1998). 2,5-bis[4-(N-alkylamidino)phenyl]furans as anti-Pneumocystis carinii agents. *J Med Chem*, 41, 124-9.

El Sawalhy A, Seed JR, Hall JE, & El Attar H. (1998). Increased excretion and aromatic amino acid catabolites in animals infected with *Trypanosoma brucei evansi*. *J Parasitol*, 84, 469-473.

Tuttle RH, Hall JE, & Tidwell RR. (1997). High-performance liquid chromatographic assay detects pentamidine metabolism by Fisher rat liver microsomes. *J Chromatogr B Biomed Appl*, 688, 319-24.

Gerardo Heiss

Borecki IB, Province MA, Ludwig EH, Ellison RC, Folsom AR, Heiss G, Lalouel JM, Higgins M, & Rao DC. (1997). Associations of candidate loci angiotensinogen and angiotensin-converting enzyme with severe hypertension: The NHLBI Family Heart Study. *Ann Epidemiol*, 7, 13-21.

Chambless L, Barnes R, Folsom A, Heiss G, Hutchison R, Patsch W, Sharrett R, Szklo M, Wu K, & Rosamond W. (1997). Carotid Artery Wall Thickness is Associated with Incident Coronary Heart Disease: Early Results of the ARIC Study. *Am J Epidemiol*, 146, 483-494.

Liese AD, Mayer-Davis EJ, Tyroler HA, Davis CE, Keil U, Duncan BB, & Heiss G. (1997). Development of the multiple metabolic syndrome in the ARIC cohort: joint contribution of insulin, BMI, and WHR. *Ann Epidemiol*, 7, 407-16.

Liese AD, Mayer-Davis EJ, Tyroler HA, Davis CE, Keil U, Schmidt MI, Brancati FL, & Heiss G. (1997). Familial components of the multiple metabolic syndrome: the ARI study. *Diabetologia*, 40, 963-70.

Ludwig EH, Borecki IB, Ellison RC, Folsom AR, Heiss G, Higgins M, Lalouel JM, Province MA, & Rao DC. (1997). Associations between candidate loci angiotensin-converting enzyme and angiotensinogen with coronary heart diseases and myocardial infarction: The NHLBI Family Heart Study. *AEP*, 7, 3-12.

Metcalf PA, Stevens J, Shimakawa T, Hutchinson RG, Schmidt M, Dennis B, Davis CE, & Heiss G. (1998). Comparison of diets of NIDDM and non-diabetic African Americans and whites: The Atherosclerosis Risk in Communities Study. *Nutr Res*, 18, 447-456.

Rosamond W, Chambless L, Cooper L, Heiss G, Conwill D, Clegg L, & Folsom A. (1998). Divergent trends in coronary heart incidence and mortality; 1987 to 1994. *New Engl J Med*, In Press.

Vitelli LL, Shahar E, Heiss G, McGovern PG, Brancati FL, Eckfeldt JH, & Folsom AR. (1997). Glycosylated hemoglobin level and carotid intimal-medial thickening in nondiabetic individuals. The Atherosclerosis Risk in Communities Study. *Diabetes Care*, 20, 1454-8.

Irva Hertz-Picciotto

Caplan D, & Hertz-Picciotto I. (1998). Racial differences in survival of oral and

- pharyngeal cancer patients in North Carolina. *J Public Health Dent*, 58, 36-43.
- Din-Dzietham R, & Hertz-Picciotto I. (1997). Education increases the racial gap in neonatal and postneonatal mortality. *Arch Pediatr Adolesc Med*, 151, 787-792.
- Din-Dzietham R, & Hertz-Picciotto I. (1998). Infant mortality in North Carolina: differences between African-Americans and European-Americans increase with greater education. *Am J Pub Health*, 88, 651-656.
- Goldsmith DF, & Hertz-Picciotto I. (1997). Criteria for conducting quantitative risk assessments for silica. *J Expo Anal Environ Epidemiol*, 7(3), 367-75.
- Hertz-Picciotto I, & Din-Dzietham R. (1998). Comparisons of infant mortality using a percentile-based method of standardization for birthweight or gestational age. *Epidemiol*, 9, 61-7.
- Hertz-Picciotto I, Korte J, Schulz M, Chiang T-C, & Ball LM. (1997). Carbon black risk assessment comparison is flawed. *Reg Toxicol & Pharmacol*, 26, 338-339.
- Hertz-Picciotto I, & Rockhill B. (1997). Validity and efficiency of approximation methods for tied survival times in Cox regression. *Biometrics*, 53, 1151-6.
- Hertz-Picciotto I, Tseng M, Newman B, Schroeder J, & Vine M. (1998). Breast cancer and lactation in Mexican women (letter). *Amer J Epidemiol*, 147, 795-796.
- Johnson TM, Kincade JE, Bernard SL, Busby-Whitehead MJ, Hertz-Picciotto I, & DeFriesse GH. (1998). The association of urinary incontinence with poor self-rated health. *J Am Geriatr Soc*, 46, 693-699.
- Norman EH, Hertz-Picciotto I, Salmen DA, & Ward TH. (1997). Childhood lead poisoning and vinyl miniblind exposure. *Arch Pediatr Adolesc Med*, 151, 1033-1037.
- Paeratakul S, Popkin BM, Kohlmeier L, Hertz-Picciotto I, Guo X, & Edwards L. (1998). Measurement error in dietary data: implications for the epidemiologic study of the diet-disease relationship. *Euro J Clin Nutr*, 52, 1-6.
- Pastore LM, Hertz-Picciotto I, & Beaumont JJ. (1997). Risk of stillbirth from occupational and residential exposures. *Occup Environ Med*, 54, 511-518.
- Symanski E, Kupper LL, Hertz-Picciotto I, & Rappaport SM. (1998). A comprehensive evaluation of long-term trends in occupational exposure: Part 2 - Predictive models for declining exposures. *Occup & Environ Med*, 55, 310-316.

Barbara S. Hulka

- Chang S, Hulka BS, Baird DD, Ingle NJ, Newman B, Graham ML III, Qaqish B, Donohue JH, & Melton LJ III. (1997). Breast Cancer Survival and the Timing of

Tumor Removal During the Menstrual Cycle. *Cancer Epidemiol Biomarkers Prev*, 6, 881-886.

Collaborative Group on Hormonal Factors in Breast Cancer [Hulka, B. member of collaborative group]. (1997). Breast Cancer and Hormone Replacement Therapy: Collaborative Reanalysis of data from 51 Epidemiological Studies of 52 705 Women with Breast Cancer and 108 411 Women without Breast Cancer. *Lancet*, 350, 1047-1059.

Hulka BS. (1997). Epidemiologic analysis of breast and gynecologic cancers. *Prog Clin Biol Res*, 396, 17-29.

Moorman P, Hulka B, Hiatt R/Krieger N, Newman B, Joseph V, & Norman O. (1998). Association of High-Density Lipoprotein Cholesterol and Breast Cancer Varies by Menopausal Statue. *Cancer Epidemiol Biomarkers Prev*, 7, 483-488.

Richardson BE, Hulka B, David JL, Hughes CL, Van den Berg BJ, Christianson RE, & Calvin JA. (1998). Levels of Maternal Serum Alpha-Fetoprotein in Pregnant Women and Subsequent Breast Cancer Risk. *Am J Epidemiol*, In Press.

Michel A. Ibrahim

Ibrahim MA. The role of the scientific method in policy and decision making. Senate Cancer Coalition Hearing on Environmental Risk Factors for Cancer .

Lenore Kohlmeier

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