

Revised from:
2/2006*

CURRICULUM VITAE

George Wills Comstock

PERSONAL DATA

Birth: January 7, 1915
Death: July 15, 2007

EDUCATION AND TRAINING

Education:

B.S.	June 1937	Antioch College, Chemistry and Biology with honors
M.D.	June 1941	Harvard Medical School, Medicine
M.P.H.	June 1951	University of Michigan, School of Public Health
Dr.P.H.	June 1956	Johns Hopkins University, School of Hygiene and Public Health, Epidemiology

Training:

Interne, U.S. Public Health Service Hospital, Baltimore,
Maryland, July 1941 - July 1942.

Medical Licensure:

Licensed to practice medicine in Maryland, 1964 - 2006.

Board Certification:

American Board of Preventive Medicine, certified 1952.

* The Curriculum vitae is edited from the February 2006 version. It includes most, but not necessarily all, of George W. Comstock's publications. Grants and other activities may not include all past activities.

PROFESSIONAL EXPERIENCE**Experience:**

Alumni Centennial Professor of Epidemiology, 1965 - 2003,
School of Hygiene and Public Health, Johns Hopkins
University, Emeritus 2003 to 2007.

Director, 1962-2003, Training Center for Public Health
Research, School of Hygiene and Public Health, Johns Hopkins
University

Co-Investigator, Cardiovascular Health Study (CHS), Washington
County Unit, 1989-2003.

Co-Investigator, Atherosclerosis Risk in Communities (ARIC),
1987-2003.

Editor-in-Chief, Emeritus, 1991 - 2007, American Journal of
Epidemiology

Editor-in-Chief, 1979 - 1988, American Journal of Epidemiology

Associate Professor of Epidemiology, December 1962 - 1965,
School of Hygiene and Public Health, Johns Hopkins University

University Lecturer in Epidemiology, July 1956 - December 1962,
School of Hygiene and Public Health, Johns Hopkins University

Chief, July 1956 - December 1962, Epidemiologic Studies,
Operational Branch, Tuberculosis Program, U.S. Public Health
Service, Washington, D.C.

Director, July 1946 - February 1951 and July 1951 - October
1955, Muscogee County Tuberculosis Study, Columbus, Georgia

Acting Director, May 1946 - July 1946, Tuberculosis Outpatient
Services and Crippled Children's Services, Virginia State
Department of Health, Richmond, Virginia

Assistant to Director, October 1945 - May 1946, Tuberculosis
Outpatient Services, Virginia State Health Department,
Richmond, Virginia

Director, Tuberculosis Survey Unit, March 1945 - October 1945,
Cuyahoga County Tuberculosis Clinic, Cleveland, Ohio

Medical Officer, September 1943 - September 1944, Escort
Destroyer Division

Medical Officer, January 1943 - September 1943, U.S. Coast
Guard Infirmary, Miami, Florida

Ward Surgeon and Admitting Officer, July 1942 - January 1943,
U.S. Public Health Service Hospital, Baltimore, Maryland

Principal Responsibilities:

Professor of Epidemiology Emeritus, Department of Epidemiology,
 Johns Hopkins School of Hygiene and Public Health
 Director Emeritus, George W. Comstock Center for Public Health
 Research and Prevention
 Consultant, Cardiovascular Health Study, Washington County Unit
 Consultant, Atherosclerosis Risk in Communities, Washington
 County Unit

PROFESSIONAL ACTIVITIES**Society Membership and Leadership:**

American College of Epidemiology -- Honorary Fellow
 American College of Preventive Medicine -- Fellow
 American Epidemiological Society -- Emeritus
 American Public Health Association -- Fellow
 American Society of Circumpolar Health
 American Thoracic Society - Honorary Member
 Council on Epidemiology, American Heart Association --
 Fellow
 Faculty of Public Health (U.K.) -- Honorary Fellow
 International Epidemiological Association
 International Union Against Tuberculosis and Lung Disease
 Maryland Thoracic Society
 Medical and Chirurgical Faculty of the State of Maryland
 Society for Epidemiological Research
 Washington County Medical Society

Participation on Advisory Panels:

1963-2003	Director of Research, Washington County Health Department.
1963-1985	Board of Directors (later Advisory Council), Washington County Regional Council, American Lung Association of Maryland.
1964-70	Epidemiology and Disease Control Study Section, NIH.
1965-66	Governor's Committee on Tuberculosis.
1965-71	Committee on Statistics and Epidemiology, International Union Against Tuberculosis.
1966-71	Board of Directors, Washington County Mental Health Association.

*Professional Activities (continued)**Participation on Advisory Panels (continued):*

1968-69	New York City Task Force on Tuberculosis.
1970-72	Diagnostic Skin Testing Committee, American Thoracic Society.
1971-73	Epidemiology and Biometry Advisory Committee, NHLBI.
1971-74	Policy Board, Community Mental Health Assessment Program, Center for Epidemiologic Studies, NIMH.
1971-85	Board of Directors, Washington County Division, American Heart Association.
1972-73	Executive Committee, Council on Epidemiology, American Heart Association.
1972-78	Advisory Committee, Division of Respiratory Diseases, Maryland Department of Health and Mental Hygiene.
1974-77	Panel on Review of Skin Test Antigens, FDA.
1975-76	Central Influenza Advisory Committee, Maryland Department of Health and Mental Hygiene.
1975-76	Chairman, Task Force to Examine Increase in Reported Cases of Tuberculosis in Maryland, Maryland Department of Health and Mental Hygiene.
1975-76	Chairman, Public Health Committee, Washington County Medical Society.
1975-77	Executive Committee for Epidemiology Standardization Project, American Thoracic Society.
1975-79	Drinking Water Advisory Council, Maryland Department of Health and Mental Hygiene.
1976-77	Panel on the Geochemistry of Water and Relation to Cardiovascular Diseases, National Research Council.
1977 & 1980	ICMR/WHO Scientific Group on Vaccination Against Tuberculosis.
1978-81	Task Force on Epidemiology of Respiratory Disease, NHLBI.
1979-80	Science Advisory Board, EPA.
1979-81	Chairman, Diagnostic Skin Testing Committee, American Thoracic Society.
1980-81	Advisory Committee, Improved Pregnancy Outcome Program, Washington County Health Department.

*Professional Activities (continued)**Participation on Advisory Panels (continued):*

1980-90	Advisory Committee, Six-City Study, Harvard School of Public Health.
1982	National Task Force on Tuberculosis, American Lung Association.
1982-84	Executive Committee, Council on Epidemiology, American Heart Association.
1982-89	Advisory Committee on Special Studies Relating to Possible Long-term Effects of Phenoxy Herbicides and Contaminants, Department of Health and Human Services.
1985-88	Committee on International Activities, American Thoracic Society.
1985-89	Advisory Committee, Epidemiology and Statistics, American Thoracic Society.
1987-89	Chairman, Advisory Committee for Elimination of Tuberculosis, Department of Health and Human Services.
1987-89	Board of Directors, American College of Epidemiology.
1987-1993	Member, Advisory Committee US/Canadian Acid Aerosol Study.
1990-2007	Expert Panel on Tuberculosis, Maryland Department of Health and Mental Hygiene
1991	Working Group on Tuberculosis Research and Development, WHO
1991-1992	Hazardous Waste Incineration Review Committee, Washington County, MD
1991-1995	Committee on Professional Conduct, Johns Hopkins School of Hygiene and Public Health
1991-1992	Member, Review Committee for Faculty Development Fund, Johns Hopkins School of Hygiene and Public Health
1992-1994	Vital Registration/Surveillance Committee, Maryland Department of Health and Mental Hygiene
1992-1993	ALA/ATS Steering Committee for the ALA Conference on Reestablishing Control of Tuberculosis in the United States
1992-1998	Surveillance Committee, Council on Cancer Control, Maryland Department of Health and Mental Hygiene.
1993-1995	Task Force for Tuberculosis Guidelines, Washington County Hospital

*Professional Activities (continued)**Participation on Advisory Panels (continued):*

1994	NHLBI Research Training Review Committee (ad hoc member)
1994	NIAID Special Review Committee
1994	Special Review Committee, Basic Research in Human Tuberculosis
1995-1999	Advisory Committee, Nurses' Health Study, Harvard Medical School
1996	Scientific Advisory Committee for Tuberculosis Control
1997-2007	Epidemiology Oversight Committee, Prevention of Tuberculosis with Upper Room Ultraviolet Irradiation.
1998-1999	Member, ATS/CDC Committee on Targeted Testing and Treatment of Latent Tuberculosis Infection
1998-2000	Member, ATS/CDC Committee on Preventive Screening for TB
1999-2000	Advisor, Committee on the Elimination of Tuberculosis, Institute of Medicine, National Academy of Sciences.
2000	Member, External Review Committee, The Wellcome Trust, London, UK
2000	Member, Search Committee for Health Officer, Washington County Health Department, Hagerstown, MD

Consultations:

1963-84 Consultant, Division of Tuberculosis, CDC.
1969-70 Consultant, USAID, Nigeria.
1974 Consultant on tuberculosis, Libya
1980 Consultant to Committee on Epidemiology of
Byssinosis, National Academy of Science.
1982 & 1983 WHO Study on Epidemiology of Leprosy.
1990 Consultant, WHO Meeting on Chemoprophylaxis
for Tuberculosis and HIV Infections.
1992-1996 Chairman, Data and Safety Monitoring
Committee, CDS-JHU Tuberculosis
Chemoprophylaxis Trial.
1994 Consultant to Secretariats of Health, States
of Ceara and Pernambuco, Brazil
2003-2007 Consultant, Atherosclerosis Research in
Communities (ARIC), Washington County, MD
2003-2007 Consultant, Cardiovascular Health Study
(CHS), Washington County, MD

EDITORIAL ACTIVITIES**Peer review activities (1962-2004)**

American Journal of Clinical Nutrition
 American Journal of Epidemiology
 American Journal of Respiratory and Critical Care Medicine
 American Journal of Preventive Medicine
 American Journal of Public Health
 American Review of Respiratory Diseases
 Annals of Internal Medicine
 Archives of General Psychiatry
 Archives of Internal Medicine
 Arthritis and Rheumatism
 Cancer Causes and Control
 Cancer Research
 Chest
 Clinical Infectious Diseases
 Controlled Clinical Trials
 Effective Clinical Practice
 Epidemiology
 International Journal of Epidemiology
 International Journal of Tuberculosis and Lung Disease
 Clinical Chemistry
 Journal of the American Medical Association
 Journal of Chronic Diseases
 Journal of the National Cancer Institute
 Journal of Public Health Policy
 New England Journal of Medicine
 Public Health Reports
 Tubercle and Lung Disease
 Journal of Clinical Rheumatology
 Journal of Public Health Policy
 Journal of Pediatrics

Peer Reviews, 2004

American Journal of Nutrition (1)
 American Journal of Epidemiology (7)
 American Journal of Respiratory and Critical Care
 Medicine (3)
 Annals of Internal Medicine (2)
 Chest (7)
 International Journal of Tuberculosis and Lung Disease (3)
 Journal of the National Cancer Institute (1)
 Lung (1)

Editorial Board Membership:

1961-64 Editorial Board, American Review of
 Respiratory Disease.
 1965-69 Associate Editor, American Journal of
 Epidemiology.
 1969-79 Board of Overseers, American Journal of
 Epidemiology.
 1977-79 Consulting Editor, Archives of Environmental
 Health.

1977-83 Editorial Board, American Review of
Respiratory Disease.
1979-88 Editor-in-Chief, American Journal of
Epidemiology
1988-2007 Editor-in-Chief Emeritus, American Journal of
Epidemiology

HONORS AND AWARDS

Delta Omega Honor Society, Delta Chapter, 1951.
Career Research Award, National Heart Blood, and Lung
Institute, 1964 - 2003.
Wade Hampton Frost Lecturer, American Public Health
Association, 1974.
Alumni Centennial Professorship, 1978 - 2003.
American Lung Association Hall of Fame, 1980.
Edward Livingston Trudeau Medal, American Thoracic Society,
1980.
Carl W. Temple Lecturer, James W. Waring Chest Conference,
Colorado, 1982.
Frank B. Clack Memorial Lecture, Third Annual Public Health
Conference, Pittsburgh, PA, 1982.
Visiting Professor, Pulmonary Medicine, New Jersey Medical
School, 1983.
Visiting Professor of Epidemiology, Royal Society of Medicine,
London, 1984.
John Snow Award, Epidemiology Section, American Public Health
Association, 1984.
Visiting Professor of Community Medicine, United Medical and
Dental Schools of Guy's and St. Thomas's Hospitals, 1987.
Honorary Fellowship, Faculty of Public Health Medicine, Royal
Colleges of Physicians of the United Kingdom, 1987.
Abraham M. Lilienfeld Medal, American College of Epidemiology,
1987.

Honors and Awards (continued)

George W. Comstock Research Award established, American Lung Association of Maryland, 1988.
Honorary Life Membership, American Lung Association, 1988.
E. L. Stebbins Medal, Johns Hopkins School of Hygiene and Public Health, 1988.
Physician of the Year, Washington County Medical Society, 1990.
Golden Apple, Student Assembly, Johns Hopkins School of Hygiene and Public Health, 1991.
Thomas W. Francis Jr. Medal, University of Michigan School of Public Health, 1992.
Dean's Appreciation Award, School of Hygiene and Public Health, Johns Hopkins University, 1992.
University Distinguished Alumnus, Johns Hopkins Alumni Association, 1992.
Special recognition for excellence in teaching, School of Hygiene and Public Health, Johns Hopkins University, 1993.
Horace Mann Award, Antioch University, 1993.
Dr. David Glasser Tuberculosis Control Award from the Tuberculosis Program of the Maryland Department of Health and Mental Hygiene, 1997.
Honorary Fellow, American College of Epidemiology, 2000.
Honorary Life Member, American Thoracic Society, 2001.
Maxwell Finland Award, National Foundation for Infectious Diseases, 2003.

Named Lectureships:

Comstock Conference on Epidemiology and Control of Tuberculosis: Vaccines and Tuberculosis Control, 1996.
Comstock Lecture, Annual Meeting of North American Region, International Union Against Tuberculosis and Lung diseases, 1997-2006. (In 2006, this was expanded to include a reception, lecture, and morning session)

COMMUNITY ORGANIZATIONS

1951-1955	Columbus (GA) Symphony Orchestra
1957-1961	Laurel (MD) Flute Quartet
1964-2007	Elizabeth-towne Recorder Consort
1965-2007	Torch Club of Hagerstown
c.1976-c.1986	Frederick Woodwind Quintet
1979-2004	Washington County Museum Recorder Consort
1980-2003	Frederick Orchestra (2 nd bassoon)
2000-2006	Community Correctional Services Committee, Maryland Correctional Institution in Hagerstown
2000-2006	Ex-officio member, Community Research Review Committee, Johns Hopkins Training Center for Public Health Research

CURRICULUM VITAE

January 2005

George Wills Comstock

Part II

TEACHING

Advisees (in chronological order):

NAGUIB, Samir M. Acceptance and Results of a Cervical Cytology Screening Program in Washington County, Maryland. Dr. P.H.	1966
GANLEY, James Powell Epidemiology Characteristics of Presumed Ocular Histoplasmosis. Dr.P.H.	1971
THOMAS, David B. Oral Contraceptives and Cervical Neoplasia. Dr. P.H.	1971
NOMURA, Abraham M. Y. The Relationship of Estrogenic Preparations to Benign Breast Tumors. Dr. P.H.	1974
SHAW, Robert The Relationship of Respiratory Variables to Illness Absence Resulting from Coronary Heart Disease. Dr. P.H.	1975
ABUDEJAJA, Awad Hussein Some Determinants of Compliance with Treatment Following Community Blood Pressure Screening. Ph.D.	1978
SUTRISNA, Bambang Epidemiologic Characteristics of Pulmonary Tuberculosis and a Suggested Control Program for Indonesia. M.H.S.	1979
CAUTHEN, George McKinstry Relationship Between Blood Pressure and Characteristics of Drinking Water in A County Population. Sc.D.	1980
McCARTER, Robert J. Jr. Congenital Malformations in the Offspring of Diabetic Women. Sc.D.	1983
FREEMAN, Richard W. Volume I. A Survey of Neurologic Symptoms among Members of the International Brotherhood of Painters and Allied Trades. Volume II. A Survey of Neurologic Symptoms among Members of the International Brotherhood of Painters and Allied Trades. Sc.D.	1985
MENKES, Marilyn Judith Spivak Vitamins A, E, Selenium and Risk of Lung Cancer. Ph.D.	1985

SCHOBER, Susan Elizabeth
Vitamin A, Vitamin E, Selenium, and Colon Cancer Risk. Ph.D. 1985

TEPPER, Allison
A Follow-Up Study of Chronic Respiratory Disease in Baltimore City
Firefighters.
Ph.D. 1986

HSING, Ann Wu Fung-Fung
Pre-diagnostic Serum Hormones and Prostate Cancer.
Ph.D. 1987

LINKINS, Robert Wilson
Depressed Mood and Development of Cancer.
Ph.D. 1987

MAURER, Kurt R.
The Epidemiology of Gallstone Disease in the Mexican American, Cuban
American, and Puerto Rican Populations of the United States, 1982-84.
Ph.D. 1987

MENON, Sreekumar
Rotavirus Diarrhea in Apache Children. A Case-Control Study.
Ph.D. 1987

FISCHER, Ellen Pauline
Suicide by Jumping in the City of New York.
Ph.D. 1988

KOPPIKAR, Aparna Mahesh
Can Hypertension Be a Predictor of Clinical Diabetes Mellitus?
Ph.D. 1988

MEBANE, Irma Laurice
Depressive Symptomatology and Subsequent Morbidity: A Followup Study of
Washington County, Maryland Residents.
Ph.D. 1988

COBERLY, Jacqueline S.
A Comparison of the Immunogenicity of the Standard and Two Low-Dose
Hepatitis B Vaccine Regimens in Infants.
Ph.D. 1989

BASER, Michael E.
Distribution of Ventilation in the Aging Lung.
Ph.D. 1991

HAWKINS, Barbara Snyder
A Study of the Risk of Visual Impairment Attributable to Ocular
Histoplasmosis
Ph.D. 1992

SCOTT, Jean C.
A Study of Cigarette Smoking and the Risk Factors for Hip Fracture in
Elderly Women.
Dr.P.H. 1992

ALBERG, Anthony John
Structured Social Involvement and Cigarette Smoking among Adolescents.
Ph.D. 1994

STREET, Debra Ann
A Population-based Case-control Study of the Association of Myocardial
Infarction and Serum Levels of Carotenoids and alpha-tocopherals.

Ph.D. 1994

GEITER, Lawrence J.
Results of a Randomized, Controlled Trial to Assess the Toxicity and Patient Adherence with Two Short-course Regimens for the Prevention of Tuberculosis, a Two-month Regimen of Rifampin and Pyrazinamide or a Four-month Regimen of Rifampin Only, in Comparison with a Control Regimen of Six-months of Isoniazid.
Ph.D. 1997

KIMURA, Moriya
Comparison between a Whole Blood Interferon- γ Release Assay and Tuberculin Skin Testing for the Detection of Tuberculosis Infection among Patients at Risk for Tuberculosis Exposure.
Post-Doctoral Fellow 1999

PAPADOPOULOS, Emily C.
A Prospective Study of Antiphospholipid Antibodies and Incident Thrombotic Events in Systemic Lupus Erythematosus.
Sc.M. 1999

JORGENSON, Lindsey
MHS 2001

GOLUB, Jonathan
Patient and Health Care Delays in TB Diagnosis in a Low Incidence State
Ph.D. 2002

Classroom instruction, 2004-2006

Epidemiologic Basis for Tuberculosis Control, Instructor
Third Quarter
Summer Course: 10 students

RESEARCH GRANT PARTICIPATION (current listings for 2006)

Gene-Environment Interactions: The Odyssey Cohort

National Cancer Institute: 09/30/99 - 06/30/04

P.I.: Dr. K. J. Helzlsouer

Main objective: Population-based cohort study to examine the broad impact of genetic variation in candidate genes and their interaction with environmental exposures on cancer incidence and survival, specifically health and aging.

Responsibilities: In addition to being a co-author (and editor) on reports from this study, Dr. Comstock is primarily responsible for community contacts, including a local community research review committee, publicity, and relationships with physicians and community agencies. He participates in planning, conducting, and reporting of individual studies under this grant.

Clue Studies: Evaluating Biomarkers of Carcinogenesis

National Cancer Institute: 04/01/00 - 03/31/05

P.I.: Dr. K. J. Helzlsouer

Main objective: To compare serum fatty acid synthase concentrations in serum (plasma) samples taken at varying time intervals prior to diagnosis in women with and without breast cancer.

Responsibilities: As above.

Career Research Award: Follow-up Studies of Cardio-Respiratory Disease:
National Heart, Lung and Blood Institute: 04/01/64 - 08/31/03

P.I.: (Awardee): Dr. G. W. Comstock

Main objective: To provide partial financial support for a career in research.

Responsibilities: This award provides partial support for Dr. Comstock's research in tuberculosis and his participation in research based on linking the information from the Washington County Serum Bank with outcomes determined in The Atherosclerosis Risk in Communities (ARIC) study and the Cardiovascular Health Study (CHS) among Washington County participants.

ACADEMIC SERVICE (partial)

Division or Department

1994	Committee on Biology and Epidemiology
1994-95	Committee on Core Competencies
1996	General Knowledge Committee

School

c.1967-75	Advisory Committee for General Preventive Medicine Residency
c.1980-2006	Serology Committee for Training Center for Public Health Research
c.1981	Chair, Search Committee for Chair of Department of Biostatistics
1991-95	Committee on Professional Misconduct
c.1992	Search Committee for Chair of Department of Environmental Health Sciences
1993-94	Data and Safety Monitoring Committee for JHU/CDS Tuberculosis Chemoprophylaxis Trial

PRESENTATIONS

Scientific Meetings:

Menkes M, Comstock G: Vitamins A and E and lung cancer (abstract). Am J Epidemiol 120:491, 1984.

Klag MJ, Moore RD and Comstock GW: Alcohol and blood pressure in American and Japanese executives (abstract). Clin Res 34:371A, 1986.

Harlow S, Goldberg E and Comstock GW: Depressed mood and widowhood: A prospective study of bereavement in elderly women (abstract). Am J Epidemiol 124:505, 1986.

Menkes M and Comstock GW: Serum and dietary carotene levels and lung cancer (abstract). Am J Epidemiol 124:502, 1986.

Sandler DP, Helsing KJ, Shore DL and Comstock GW: Heart disease mortality in smokers and nonsmokers who live with smokers. Am J Epidemiol 126:741, 1987.

Hsing AW, Polk BF, Comstock GW and Abbey H: Serum androgens, vitamins, and subsequent prostate cancer (abstract). Am J Epidemiol 126:766-767, 1987.

Helzlsouer, KJ, Comstock GW and Morris S: Selenium, beta-carotene, and vitamins A and E -- a possible role in the prevention of bladder cancer. Am J Epidemiol 128:930-931, 1988.

- Hsing AW and Comstock GW: Serum hormones and risk of subsequent prostate cancer (abstract). Am J Epidemiol 130(4):829, 1989.
- Helzlsouer K, Gordon G, Longcope C, and Comstock GW. Cigarette smoking and levels of endogenous hormones in premenopausal women. Am J Epidemiol 132(4):769-770, 1990.
- Mellington A, Carter B, Cohen BH, Comstock GW. Risk of death from pneumonia and household heating sources. Am Rev Respir Dis 141(4, part 2):A426, 1990.
- Street DA, Comstock GW, Salkeld RM, Schüep W and Klag M: A population-based case-control study of the association of serum antioxidants and myocardial infarction (abstract). Am J Epidemiol 134(7):719-720, 1991.
- Bush T, Gordon G, Alberg T, Helzlsouer K and Comstock GW. Serum dehydroepiandrosterone (DHEA) and dehydroepiandrosterone sulfate (DHEAS) levels and risk for ovarian cancer (abstract). Am J Epidemiol 134(7):760, 1991.
- Alberg T, Bush T, Helzlsouer K and Comstock GW: Prediagnostic serum retinol, carotenoids, vitamin E and selenium and subsequent risk of squamous cell skin cancer (abstract). Am J Epidemiol 134(7):764, 1991.
- Scott J, Comstock GW, Hochberg M, Diamond E. Cigarette smoking and other risk factors for hip fracture in elderly women. Am J Epidemiol 136:977, 1992.
- Scott JS, Hochberg MC, Comstock GW. Mortality after hip fracture in community-dwelling elderly. Am J Epidemiol 138:622, 1993.
- Nieto FJ, Szklo M, Comstock GW. Childhood weight as a predictor of cardiovascular risk factors in adult participants of the Atherosclerosis Risk in Communities study. Am J Epidemiol 138(8):629, 1993.
- Fetting JH, Comstock GW, Huelskamp A, Sullivan S, Eby S, Piantadosi S, Kass FH, McCormack MJ, and Smith R. Treatment for metastatic breast cancer in a defined population: Are the elderly underserved? ASCO Annual Meeting, May 1993.
- Gordon GB, Helzlsouer KJ, Bush TL, and Comstock GW. Dehydroepiandrosterone: A chemopreventive steroid. NCI sponsored "Chemoprevention of Breast Cancer: Surrogate Endpoints and Chemopreventive Agents in Short-term Clinical Trials, October 1993.
- Masi AT, Chatterton RT, Comstock GW, Malamet RL, and Hochberg MC. Decreased androgenic-anabolic (AA) hormone levels in sera of white women before onset of rheumatoid arthritis: A controlled, prospective study. ACR abstract at 57th Annual Scientific Meeting, November 1993.
- "Role of Training Center for Public Health Research in Education and Research at Johns Hopkins School of Hygiene and Public Health" -- Health Program Alliance -- 6/28/94
- Gershon RRM, Karkashian C, Burnside JF, Comstock GW. Occupational risk of tuberculosis in funeral service practitioners: A pilot study. SOEH abstract, 1994.
- "Prevention of tuberculosis", at Tuberculosis in the 1990's: Epidemiology, Treatment, and Control. Johns Hopkins Medical Institutions, Baltimore, 12 September 1994.

Wu K, Helzlsouer KJ, Alberg AJ, Norkus E, Hoffman SC, Comstock GW. Prediagnostic ascorbic acid levels and the risk of breast cancer. *Am J Epidemiol* 141(11):Suppl, June 1995.

Scott JC, Hochberg MC, Comstock GW. Questionnaire report of functional disability is associated with hip fracture in elderly women. *Am J Epidemiol* 141(11):Suppl, June 1995.

Nieto FJ, Adam E, Sorlie PD, Farzadegan H, Melnick JL, Comstock GW. A prospective study of cytomegalovirus and other herpes viruses as predictors of subclinical atherosclerosis. *Am J Epidemiol* 141:S83, 1995.

Masi AT, Chatterton RT, Lu YC, Comstock GW, Malamet RL, Hochberg MC, Aqodian MS, Oio-Amaize E. Low serum dehydroepiandrosterone sulfate (DHEAS) levels, rheumatoid factor (RF) and elevated serum tumor necrosis factor α (TNF α) without cytokine receptor (CR) elevations predict long-term onset of RA in women: A controlled, prospective study. *Am Coll Rheumatology Poster Session*, October 1995. *Arthr Rheumatol* 38:S214, 1995.

Coresh J, Jaar B, Klag MJ, Whelton PK, Hoffman SC, and Comstock GW. High blood pressure predicts the incidence of end-stage renal disease in both men and women. *Am J Epidemiol* 143:S11, 1996.

Wu K, Selhub J, Hoffman SC, Comstock GW and Helzlsouer KJ. Serum pyridoxal-5 π -phosphate (B6), B12 and folate and consequent breast cancer risk. *Am J Epidemiol* 143:S87, 1996.

Shah KV, Viscidi RP, Alberg AJ, Helzlsouer KJ, Comstock GW. Antibodies to HPV-16 capsids predict risk of future cervical cancer. 15th International Papillomavirus Workshop, December 1996.

"The George Comstock Address: Tuberculosis Control -- Past, Present and Future", Annual Meeting, North American Region, International Union Against Tuberculosis and Lung Disease, 2/28/97.

"Overview of Tuberculosis Epidemiology", Maryland Tuberculosis Conference, 5/6/97.

"Overview of Tuberculosis; Princeton Project 55 Tuberculosis Initiative, Baltimore, 11/1/97.

Valmadrid CT, Whelton PK, West SK, Comstock GW. Isolated systolic hypertension and seven-year risk of age-related posterior subcapsular cataract extraction: A population-based, prospective study. *ARVO abstract*, 1997.

Scott JC, Hochberg MC, Comstock GW. Do risk factors for trochanteric and cervical hip fractures differ? *Am J Epidemiol* 145:(11)Suppl, 1997.

Masi AT, Chatterton RT, Fecht T, Aldag JC, Comstock GW, Helzlsouer KJ, Hoffman SC, and Malamet RL. Disassociation of serum dehydroepiandrosterone sulfate (DHEAS) and cortisol levels in younger premenopausal women prior to onset of rheumatoid arthritis (RA) before age 50: Results of a prospective, controlled study. *Arthritis Rheum* 41:S126, 1998.

Masi AT, Chatterton RT, Aldag JC, Comstock GW, Helzlsouer KJ, Hoffman SC, Malamet RL and Agopian MS. Decreased serum dehydroepiandrosterone sulfate (DHEAS) levels in menstruating women prior to onset of RA before age 50. Independent reference laboratory assays validate previous significant results. *Arthritis Rheum* 41:S126, 1998.

Masi AT, Chatterton RT, Comstock GW, Helzlsouer KJ, Hoffman SC, Malamet RL, Sipe JD, MacCarthy K, Agopian MS, Oio-Amaize E. A positive history of rheumatoid arthritis (RA) in a first degree relative (FDR) or a positive serological predictor for RA prior to disease onset before age 50 were uniformly present in a sample of younger premenopausal incident cases results of a prospective, controlled study. *Arthritis Rheum* 41:S126, 1998.

"Third annual T. E. Woodward Lecture: Tuberculosis- past and present challenges." Annual Meeting of Medical and Chirurgical Society of Maryland, Baltimore, MD. 2 May 1998.

"Simple practical ways to assess the efficacy of a new tuberculosis vaccine." International Symposium on Tuberculosis Vaccine Development and Evaluation. San Francisco, CA. 26-28 August 1998.

"How much isoniazid is needed for prevention of tuberculosis among immunocompetent adults?" ATS/CDC Meeting on TB Screening and Preventive therapy, Decatur, GA. 14-15 September 1998.

Maher D, Helzlsouer KJ, Armenian HK, Alberg AJ and Comstock GW. Appliance use and breast cancer: A case-control study. SER abstract #228. *Am J Epidemiol* 149(11):S57, 1999.

"Why BCG Doesn't Work - or Does It?" American Thoracic Society International Meeting. San Diego, CA. 27 Apr 1999.

"Epidemiology of Tuberculosis in the U.S. at the End of the 20th Century." Centennial Festschrift, National Jewish Medical and Research Center, Denver, CO. 1 Oct 1999

Keynote Address: "What We Know and Don't Know about Current Tuberculosis Risk, and What We Need to Know to Plan Interventions in the Future." Tuberculosis Infection Control in the 21st Century, Crystal City, VA. 12 Dec 1999.

"Contacts: Don't Let the Numbers Lie: Comstock calipers for PPD's." Maryland Tuberculosis Annual Meeting, Anne Arundel County, MD. 16 Dec 1999.

Alberg A, Selhub J, Shah K, Viscidi R, Comstock G, and Helzlsouer K. The risk of cervical cancer in relation to serum concentrations of folate, vitamin B12, and homocysteine. SER abstract #276. *Am J Epidemiol* 149(11):S69, 1999.

Helzlsouer KJ, Burke A, Hoffman S, Alberg AJ, Norkus E, Morris S, and Comstock GW. Selenium α -tocopherol and γ -tocopherol and subsequent prostate cancer. SER abstract #280. *Am J Epidemiol* 149(11):S70, 1999.

Masi AT, Aldag JC, Chatterton RT, Teodorescu M, Malamet RL, Comstock GW, Helzlsouer KJ, Hoffman SC and Agopian MS. Independent risk markers (RMs) for RA onset in males include rheumatoid arthritis (RA) in a first degree relative (FDR+) rheumatoid factor (RF+): combined low serum cortisol and testosterone (low C & T), and heavy cigarette smoking (CS 30+/d). *Arthritis Rheum* 43:S70, 2000.

Masi AT, Aldag JC, Pirzada FA, Pirzada N, Chatterton RT, Malamet RL, Comstock GW, Helzlsouer KJ, Hoffman SC, Sipe JD, and Agopian MS. Serum hormone and biological mediator correlations were found many years before onset of rheumatoid arthritis (RA) in 18 pre-RA males, but not in 72 matched controls (CN). *Arthritis Rheum* 43:S158, 2000.

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Sato R, Alberg AJ, Hoffman SC, Comstock GW, Helzlsouer KJ. Physical activity in older adults: Are guidelines being followed? Congress of Epidemiology 2001.

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Newschaffer CJ, Sato R, Comstock GW, Helzlsouer KJ. Conservation of specimen bank resources: Application of early stopping approaches to nested case-control studies in the CLUE cohort. Congress of Epidemiology 2001.

Comstock GW. BCG: A review. Northeastern Tuberculosis Controllers Annual Meeting, Ocean City, MD, Oct. 11, 2001.

Comstock GW. The INH Prophylaxis Studies. Alaska Native Health Research Meeting, Anchorage, Alaska, March 30-31, 2004.

Comstock GW. Dead People Do Tell Tales. Symposium in Honor of Arthur M. Dannberg Jr., MD, PhD. Johns Hopkins Bloomberg School of Public Health, October 6, 2004.

Invited Seminars:

"Epidemiology of Tuberculosis", Frontiers of Research and Clinical Management of Asthma and Allergy, Francis Scott Key Hospital, Baltimore, 19 Jan 1997.

"Tuberculosis", School of Medicine, Johns Hopkins University, 29 Jan 1997.

"Epidemiology of Tuberculosis in the '90's and Beyond", Maryland Tuberculosis Today Meeting, 7 Oct 1997.

"Tuberculosis Update." Staff Meeting, Frederick Memorial Hospital, Frederick MD. 6 Mar 1998.

"Epidemiology of tuberculosis in the '90's and beyond." Maryland TB Today Course, Mariottesville, MD. 5 May 1998.

"Historical perspectives of tuberculosis." Annual Meeting of Mycobacterium Tuberculosis Study Support Program, Bethesda, MD. 20 October 1998.

"Tuberculosis Update." Western Maryland Center, Hagerstown, MD. 22 October 1998.

"Fifty years of public health: Local health department policies and practices in the 1940's and 1990's." Washington County Health Department Staff Development Day, Clear Spring, MD. 23 October 1998.

"History of Tuberculosis Control." World TB Day, A. G. Holley State Hospital, Lantana, FL. 24 Mar 1999.

"Epidemiology of Tuberculosis." Maryland TB Today. Mariottsville, MD. 11 May 1999.

"Tuberculosis", Introduction to Epidemiology, Homewood Campus, 5 January 2000.

"BCG Vaccination", Department of Preventive Medicine seminar, University of Maryland, 27 Jan 2000.

"Epidemiology of Tuberculosis", TB Today, Maryland Department of Health and Mental Hygiene, Marriottsville, MD, 26 Apr 2000.

"Influenza", Advisory Commission to the Washington County Health Department, Hagerstown, MD, 8 May 2000.

"Overview of BCG Trials", Clinical Trials Seminar, 1 Nov 2000.

"Epidemiology of Tuberculosis", Clinical Fellows Seminar, Bayview Campus, 17 Nov 2000.

Epidemiology of Tuberculosis, Maryland TB Today, Marriottsville, MD, 24 April 01

Epidemiology of Tuberculosis, Maryland TB Today, Marriottsville, MD, 13 April 02.

"Tuberculosis as a World-wide Problem", Homewood Intersession Course, 17 Jan 2002.

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The Use of Animal Models by Carroll Palmer. External Advisory Panel, TARGET (Tuberculosis Animal Research and Gene and Evaluation Taskforce.) Baltimore, MD, 25 April 04.

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ADDITIONAL INFORMATION

Research interests and objectives:

Although I seem to be generally associated with tuberculosis, a review of my publications will show that my research interests have been very broad. The common thread through most of these studies has been that they are based on local communities— Muscogee county, GA; Bethel area of Alaska; and Washington County, MD.

During the past 30 years, a major part of my research has dealt with the relationships of serum or plasma concentrations of micronutrients, hormones, and viral antibodies to the subsequent development of cancer. More recently, the interactions of gene and environmental characteristics have been a major focus.

I have also been concerned with some of the elementary (but ignored) problems of long-term storage of biologic specimens— temperature variation within freezers, changes on concentrations of analytes with prolonged storage, and the degree of agreement of analyte concentrations in specimens from the same individual separated by years of storage.

Another major portion of my research has been collaboration in studies of cardiovascular outcomes associated with serologic and clinical characteristics determined years earlier. Specifically, this has involved linkage of records from the Washington County portions of ARIC (Atherosclerosis Risk in Communities) and CHS (Cardiovascular Health Study) with records from our two big blood collection projects, CLUE I and CLUE II. The combination is a unique resource.

Keywords: Atherosclerosis, Biological Markers, Epidemiologic Methods, Micronutrients, Neoplasms, Tuberculosis.

PUBLICATIONS**Journal articles (peer-reviewed):**

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