

**Office Address** Department of Mathematics and Statistics  
Boston University  
111 Cummington Street  
Boston, MA 02215

**Office Phone** (617) 353-2767

**Fax** (617) 353-4767

**E Mail Address** ralph@bu.edu

**FIELDS OF RESEARCH** Statistics, Biostatistics, Epidemiology (including Cohort Studies, Longitudinal Analysis, Clinical Trials, Goodness-of Fit, and Robustness Analysis)

**PRESENT POSITIONS**

**At Boston University**

Professor of Mathematics/Statistics, Biostatistics and Epidemiology  
Director, Statistics and Consulting Unit (Framingham Study)  
Executive Director, MA/PhD Biostatistics Program

**Not at Boston University**

Executive Director, Biostatistics and Data Management, Harvard Clinical Research Institute  
Editor, *Statistics in Medicine*  
Editorial Board, *Current Therapeutic Research*  
Statistical Consultant, *New England Journal of Medicine*  
Editor, *Encyclopedia of Clinical Trials*  
Associate Editor, *Encyclopedia of Biostatistics*

**PAST POSITIONS**

**At Boston University**

Chair, Mathematics and Statistics Department (Boston University) 1986-1991, 2006-2012  
Chair, Faculty Council

**Not at Boston University**

Associate Editor, *American Journal of Epidemiology*  
Editorial Board, *Journal of Hypertension*  
Editorial Board, *Health Services and Outcomes Research Methodology*

**EDUCATION**

Ph.D. Harvard University, 1968 (Mathematical Statistics)  
A.M. Boston University, 1964 (Mathematics)  
A.B. Boston University, 1962 (Mathematics), summa cum laude

**FACULTY/RESEARCH APPOINTMENTS**

Awarded Metcalf Cup and Prize for Excellence in Teaching at Boston University (May 19, 1985)

**Current**

1977- Professor of Mathematics/Statistics, Boston University Mathematics Department, College of Arts and Sciences (formerly College of Liberal Arts)  
1982- Professor of Public Health, Boston University School of Public Health, Department of Epidemiology and Biostatistics

Ralph B. D'Agostino  
1990-2003

Professor in Law School, Boston University Law School

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**Past**

2012 Visting Lecture Ohio Medical School, Toledo, Ohio  
2006 Reynolds Lecturer American Heart Association, Epidemiology Section  
1995 Rankin Visiting Professor in Epidemiology and Preventive Medicine, University of Wisconsin  
1993 Visiting Professor of Biostatistics, Clinical Epidemiology Unit, University Hospital, Geneva, Switzerland  
1993 Visiting Scientist, Division of Epidemiology and Biometry, National Heart, Lung and Blood Institute, Bethesda, Maryland  
1971-1977 Associate Professor of Mathematics, Boston University  
1968-1971 Assistant Professor of Mathematics, Boston University  
1976-1990 Lecturer in Law School, Boston University Law School  
1976 Associate Professor, Harvard Summer School  
1964-1968 Lecturer in Mathematics, Boston University  
1964 Instructor, Harvard Extension Program

**ADMINISTRATION EXPERIENCE BOSTON UNIVERSITY**

2006-2011 Chair, Mathematics and Statistics Department  
1998-2000 Director, Statistics Unit (Center for Psychiatric Rehabilitation)  
1986- Director, Statistics and Consulting Unit  
1988- Co-Director MA/PhD Biostatistics Program  
1986-1991 Chair, Mathematics Department  
1976-1978 Associate Dean of the Graduate School

**RESEARCH AND CONSULTANT APPOINTMENTS (Selected)**

2005-2012 Consultant, Vertex Pramaceuticals  
2005-2006 Consultant, Pfizer Consumer Health Care  
2000-2010 Consultant, Unilever  
1997-1999 Consultant, Medicines Company, Cambridge, MA  
1995- Senior Investigator, Forsyth Dental Clinic, Boston, MA  
1992-1999 Consultant and Member Review Committee, Health Effects Institute, Cambridge, MA  
1989- Special Research Scientist, New England Medical Center  
1987-1994 Chesebrough Ponds, Inc. Connecticut  
1986-1995 Multicenter Cardiology and Health Services Research Unit (Tufts University/New England Medical Center)  
1986-1988 Consultant, Dane, Clinical Assays, Cambridge, Mass.  
1985-1990 New England Research Institute, Watertown, Mass.  
1985-1995 Consultant, Lever Brothers, Unilever  
1981- Special Research Scientist, Boston City Hospital (Boston Medical Center)  
1984-1985 Consultant, American Institutes for Research (AIR)  
1976- Expert Consultant, Biometrics Division, Food and Drug Administration (FDA)  
1984 Consultant, Behavioral Science Unit, Federal Bureau of Investigation (FBI)  
1983-1988 Consultant, Millipore Corporation, Bedford, Mass.  
1984-1988 Consultant, VLI Corporation, Irvine, California  
1979-1986 Consultant, GCA Corporation, Bedford, Mass.  
1973-1979 Consultant, Walden Research, Wilmington, Mass.  
1968-1976 Consultant, United Brands Company, Boston, Mass.

**HONORS**

Fellow, American Statistical Association

Fellow, Cardiovascular Epidemiology Council of American Heart Association

2008	US Food and Drug Administration Advisory Committee Service Award
2006	Remington Lecturer for Cardiovascular Epidemiology Section of the American Heart Association meeting, March 2006
1997	Investing in Information Award at HealthMart '97, sponsored by the Massachusetts Health Data Consortium, Inc., Boston, MA, Sept 26
1996	Lowell Reed Lecturer at the American Public Health Association Meeting, November Meeting, 1996
1995	Rankin Visiting Professor in Epidemiology and Preventive Medicine, University of Wisconsin
1995	Commissioner's Special Citation (Federal Food and Drug Administration)
1993	Statistician of the Year, Boston Chapter American Statistical Association
1985	Metcalf Cup and Prize for Excellence in Teaching (Boston University)
1981	Commissioner's Special Citation (Federal Food and Drug Administration)
1980-	Who's Who in America
1980-	Who's Who in the World
1974-	Who's Who in the East
1974	Distinguished Alumni (Boston University College of Liberal Arts)
1965-1968	National Institutes of Health Predoctoral Fellow
1964	Sigma Xi
1962	Phi Beta Kappa

**GRANT/CONTRACT ACTIVITY (Selected)****Major Grant/Contract Activities (Selected)**

- 2007- 2015** "The Framingham Study: Physical Examination" Testing and Surveillance (NHLBI). Seven year contract for continuation of the Framingham Study (\$100,000,000). Dr. Philip Wolf is PI. RBD is Co-PI and Director of Data Management and Statistical Analysis.
- 2002- 2007** "The Framingham Study: Physical Examination" Testing and Surveillance (NHLBI). Seven year contract for continuation of the Framingham Study (\$42,000,000). Dr. Philip Wolf is PI. RBD is Co-PI and Director of Data Management and Statistical Analysis
- 2003-2011 "The IMMEDIATE STUDY" RBD was PI of Data Coordinating Center.
- 1986-2001 "The Framingham Study: Physical Examination, Testing and Surveillance (NHLBI-85-17). Fifteen year contract for continuation of the Framingham Heart Study (\$16,000,000. total funding). Dr. William B. Kannel was overall Principal Investigator until 1990. Dr. Philip A. Wolf is Principal Investigator since then. **RBD was Director of the Statistical Analysis Unit and Co-Principal Investigator on full contract.**
- 1983-2006** "Precursors of Stroke Incidence and Prognosis" (NINCDS-NS-17950). Six five year grants for investigating stroke cases in Framingham. Dr. Philip A. Wolf is

**Principal Investigator and RBD is Co-Principal Investigator and/or Senior Statistician.**

- 1988-1994 "Decline in Cardiovascular Mortality: Framingham 1950-1984" (NHLBI R01 HL 40423). Six year grant for investigating secular trends in the Framingham Study (\$1,200,000 total funding estimated). **RBD was Principal Investigator.**
- 1982-1984 "Minicomputer and Data Analysis in Support of the Air Force Geophysics Laboratories Magnetometer Network." Two year incremental funded contract with Air Force (\$76,000 total funding). **RBD was Principal Investigator.**
- 1981-1983 "Statistical Studies." Two year contract with Air Force Electronics Systems Division (\$110,000 total funding). **RBD was Principal Investigator.**
- 1976-1982 "Myocardial Infarction Prediction in Emergency Rooms"(HEW 5 R01 HS 02068-2). Five year grant funded by National Center for Health Services Research. (\$1,500,000 total funding). Dr. Michael Pozen was Principal Investigator until June 1981. **RBD was Co-Principal Investigator to June 1981 and then PI to March 1982.**
- 1979-1983 "Impact of Emergency Medical System Development in Rural Areas." Four year grant funded by National Center for Health Services Research. (\$1,200,000 direct costs). Dr. Michael Pozen was Principal Investigator until June 1981. Dr. Joseph Stokes was Principal Investigator then. **RBD was Co-Principal Investigator.**
- 1981-1985 "Return to Work-Oriented Cardiac Rehabilitation." Three year grant funded by Robert Wood Johnson Foundation. (\$600,000 total funding). Dr. Anne Burgess was Principal Investigator. **RBD was Co-Principal Investigator.**
- 1977-1980 "Effectiveness of Advanced EMTs Versus Basic EMTs". (HEW 1 R01 HS02536-01). Three year grant funded by National Center for Health Services Research (\$252,000 direct costs). Dr. Michael Pozen was Principal Investigator. **RBD was Co-Principal Investigator.**
- 1977-1978 "Evaluation of Studies and Inventory of Data Bases on the Effect of Emergency Medical Systems on Pre-hospital Cardiovascular Care." (NHLBI-77-28). One year contract funded by National Heart, Lung and Blood Institute (\$72,000 direct costs). Janet Mitchell was PI. **RBD was Co-Principal Investigator.**
- 1998- 2003 "Research Infrastructure Support Program" (National Institutes of Mental Health) (\$1,490,840 direct costs). William B. Anthony is PI, **RBD was Director of Statistics Analysis Unit.**

**Other Grant/Contract Activities**

- 1999-2013 "Statistical Research in Epidemiology and Clinical Trials" Grant Awards to fund Graduate Students. MULTIPLE grants. **RBD is Principal Investigator**
- 1998 "Statistical Research in Clinical Trials III" (Quintiles, Inc.). Grant to Fund Graduate Students. **RBD was Principal Investigator.**

- 1997 "Statistical Research in Clinical Trials II" (Quintiles, Inc.). Grant to Fund Graduate Students. **RBD was Principal Investigator.**
- 1996 "Statistical Research in Clinical Trials" (Quintiles, Inc.). Grant to fund Graduate Students. \$27,720. **RBD was Principal Investigator.**
- 1995 "Statistical Research in Drug Development and Testing" (Quintiles, Inc.). Grant to fund Graduate Students. \$26,460. **RBD was Principal Investigator.**
- 1995 "Statistical Components in the Design and Analysis of Clinical Trials" (Quintiles, Inc.). Grant to fund Graduate Students. \$13,800. **RBD was Principal Investigator.**
- 1990-1992 "Disability Analysis: Framingham Study (Social Security SSA-90-0530). Two year contract investigating determinants of disability and work behavior after disability (\$200,000 total funding). **RBD was Principal Investigator.**
- 1989-1992 "Framingham Offspring Eye Study" (National Eye Institute). Three year contract (\$756,782 direct costs). Dr. Philip Wolf was Principal Investigator. **RBD was Co-Principal Investigator.**
- 1987-1989 "A Study of Medical and Behavioral Risk Factors Among Auto Workers"(Motor Vehicle Manufacturers Association contract) (\$50,309 total funding.) **RBD and Dr. Janet Berkeley were Principal Investigators.**
- 1987-1989 "Evaluating Physicians' Cardiopulmonary Decisions"(NHLBI-IR18-HL-37762-01A1). Two year grant to investigate non-biomedical factors in the medical decisions. Dr. John B. McKinlay was Principal Investigator and **RBD was Co-Principal Investigator.**
- 1983-1985 "Return to Work-Oriented Cardiac Rehabilitation." Subcontract from Boston City Hospital (\$20,000 funding). **RBD was Principal Investigator.**
- 1985-1987 "Relation of Obesity and Cancer in the Framingham Study" (\$91,857. direct costs). Dr. B. Kreger was Principal Investigator. **RBD was Senior Statistician.**
- 1984-1986 "Framingham Study Monographs for 30 Years of Follow Up." Two year grant funded by NIH (\$83,179). Dr. William Kannel was Principal Investigator. **RBD was Co-Principal Investigator.**
- 1985-1986 "Work and Risk for Cardiovascular Disease". One year grant funded by NIOSH. (\$73,000 direct costs). Dr. William Kannel was Principal Investigator. **RBD was Co-Principal Investigator.**
- 1983-1986 "Disability Analysis of Health Data." Grant funded by Health and Human Services (\$180,082). Dr. Gerald Gordon was Principal Investigator. **RBD was Senior Statistician.**
- 1984-1985 "Extending the Disability Analysis to Age 65 and Over." Grant funded by Social Security Administration (\$281,404.) Dr. Gerald Gordon was Principal Investigator. **RBD was Senior Statistician.**
- 1982-1984 "Sexual Homicide and Crime Scene Data and Patterns of Behavior." Two year grant

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funded by National Institute of Justice. (\$127,505 total funding). Dr. Anne Burgess was Principal Investigator. **RBD was Co-Principal Investigator.**

1975-1976 "Statistical Review of Hypertension Literature-critique of the literature from statisticians' point of view." National Science Foundation grant Dr. Paul Gertman was Principal Investigator.

#### **CONSULTANT/EXPERT STATISTICIAN TO FOOD AND DRUG ADMINISTRATION (FDA)**

##### **Awarded FDA Commissioner's Special Citation (May 8, 1995)**

Citation read: For time, effort and expertise provided to the FDA regarding the evaluation of key and crucial OTC (Over-the-Counter) drug issues

##### **Awarded FDA Commissioner's Special Citation (May 22, 1981)**

Citation read:

In recognition of outstanding service to the Bureau of Drugs in providing expert statistical evaluations of many complex issues as a Special Government Employee.

##### **Awarded FDA Advisory Committee Service Award (May 2008)**

Citation read:

In recognition of distinguished service to the people of the United States of America.

#### **Current**

Consultant to the Division of Biometrics  
Consultant to the Over-the-Counter Drug Division  
Consultant to Oncology Drug Division  
Consultant to Device Division

#### **Overview**

1998- Consultant to Cardio-Renal Drugs Advisory Committee, Drug Safety Advisory Committee, OB/GYN Device Advisory Committee, Oncology Drugs Advisory Committee, Nonprescriptive Drugs Advisory Committee

2006-2008 Member, Nonprescriptive Drugs Advisory Committee

1995-1998 Member, Nonprescriptive Drugs Advisory Committee, Chairman, 1996-98.

1994-1998 Consultant, Gastrointestinal Drugs Advisory Committee

1990-1994 Member, Gastrointestinal Drugs Advisory Committee

1988-1998 Consultant, Cardiovascular and Renal Drugs Division

1987-1989 Member, Drug Abuse Advisory Committee

1978-1982 Member, Fertility and Maternal Health Drug Advisory Committee. Committee reviews and evaluates all available data concerning the safety and effectiveness of presently marketed and new prescription drug products proposed for marketing for use in fertility and maternal health and advises the Commissioner of Food and Drug regarding

current advances, changing concepts, and trends in the field.

Some items reviewed in detail and on which RBD played a major role: (1) Safety of Bendectin-Relation to malformations in infants; (2) High Dose Estrogen Oral Contraceptives; (3) Walnut Creek Study - Relation of Oral Contraceptives to Health.

1975-1981 Consultant, Panel reviewing Over-the-Counter (i.e., non-prescriptive) Miscellaneous Internal Drug Products.

Some functions were: (1) To evaluate and write critiques of the submissions by drug companies to FDA of studies dealing with safety and effectiveness of their over-the-counter drugs; (2) To aid in writing protocols (i.e., procedures for performing studies) or guidelines for protocols to evaluate effectiveness of various over-the-counter drugs (e.g., smoking deterrents, internal deodorants for ostomates, postprandial distress drugs, intestinal distress drugs, weight reducing aids, drugs for relief of symptoms resulting from overindulgence in food and drink, drugs for relief of premenstrual pain and tension); (3) To aid in writing monographs published in Federal Register on the status of over-the-counter drugs. Some monographs written were on: Digestive Aids, Weight Control Drugs, Pancreatic Insufficiency drugs, Antidotes for treatment of Acute Toxic Ingestion, Smoking Deterrents, Deodorants for Internal Use, stomach Acidifier Drugs, Emetic Drugs, Fever Blister, Drugs for Relief of Overindulgence in Food and Drink, Premenstrual Drugs.

1976- Expert Consultant in Statistics to Statistical Evaluation and Research Branch, Center for Drugs and Biologics. Perform "duties equivalent to and at a level of proficiency equal to that of senior statistician assigned to the divisions." Perform statistical review of New Drug Applications and related statistical projects.

Some of the projects were: (1) Reviewed studies evaluating effectiveness and safety of antidepressant drugs (amitriptyline, amoxapine); (2) Reviewed studies evaluating effectiveness and safety of benylin expectorant in multi-clinic studies; (3) Reviewed studies evaluating effectiveness of Isoprinosine for treatment of Subacute Sclerosing Panencephalitis; (4) Reviewed studies evaluating effectiveness of Carasone for treatment of ocular inflammation when concurrent use of an antimicrobial is judged necessary; (5) Reviewed studies evaluating effectiveness of NUBAIN (nalbuphine hydrochloride) for relief of moderate to severe pain; (6) Reviewed studies evaluating safety of BSS Plus (a stabilized glutathione, bicarbonate Ringer's solution) for use as an ocular irrigating solution in ophthalmic procedures; (7) Reviewed studies evaluating Guanfacine (an antihypertensive drug); (8) Reviewed studies evaluating Feldene (piroxicam) for pain and dysmenorrhea; (9) Reviewed studies evaluating Isordil (a drug for congestive heart failure treatment); (10) Reviewed studies evaluating Indoramin (an antihypertensive drug); (11) Review studies evaluating Nitrendipine (an antihypertensive drug); (12) Review of open label extension of Helsinki Heart Study; (13) Review of use of steroids for treatment of Turner's Syndrome.

1976-1981 Consultant to Panels reviewing Over-the-Counter Drug Products-Contraceptive Products Panel, Hemorrhoidal Products Panel, Oral Cavity Drug Products. Reviewed studies evaluating safety and effectiveness of over-the-counter drugs such as Scope, Listerine and Preparation-H.

1976- Consultant to Over-the-Counter Drug Division. Review submission of studies evaluating over-the-counter drugs (e.g., sun screen preparations, (1985-1989) and

cocoa butter substitutes for anorectal products (1985-1989) and antihistamines in preparations for treatment of common colds (1992-)).

- 1979-1981 Member of Subcommittee of Anesthetic and Life Support Drug Advisory Committee reviewing "Obstetrical Medication and Development in the First Year of Life." Reviewed studies and wrote analysis plan for new analyses.

#### **CONSULTANT/EXPERT STATISTICIAN TO NATIONAL INSTITUTES OF MENTAL HEALTH**

- 1985-1986 Member of a Panel investigating fraud in research. Research involved use of drugs on psychiatric patients.

#### **CONSULTANT/EXPERT STATISTICIAN FOR LEGAL CASES (Selected)**

- 1988 Unilever. Evaluated studies on anti-tartar agents.
- 1986 Patterson, Belknap, Webb and Tyler (Law Firm). Evaluated studies on Tylenol and Advil.
- 1981 Penn Central Railroad. Evaluating Penn Central's percent of payment in claims for spoilage in produce.
- 1980 Arnold and Porter (Law Firm). Evaluated studies dealing with Teledyne's Water Pik.
- 1972 City of Somerville. Worked on estimating ratio of assessment to fair cash value for years 1969 to 1971.

#### **CONSULTING (STATISTICAL) MAJOR ACTIVITIES**

##### **1994-2010 Consultant to Genzyme, Pfizer, Johnson & Johnson, GSK, Bayer, Sanofi**

- 1994 Sandoz Pharmaceuticals. Reviewed protocol for drugs for the common cold.
- 1994-1995 Proctor and Gamble. Reviewed analysis for Etidronae Disodium for vertebral fractures.
- 1994-1995 SmithKline Beecham Pharmaceuticals. Reviewed analysis for Tagamet, controlled release.
- 1988-1990 Merck, Sharpe and Dohme. Data analysis on Lovastatin; a cholesterol lowering drug, clinical trials.
- 1987-1995 Chesebrough Ponds, Connecticut. Aided in design and analysis of clinical trials to evaluate over-the-counter drugs; anti-tartar agents. Aided in analysis of intra-oral analysis for use of baking soda in Mentadent toothpaste.
- 1985-1987 Lever Brothers, New Jersey. Aided in design and analysis of clinical trials to evaluate over-the-counter drugs; toothpaste with high levels of fluoride and anti-tartar agents.
- 1984 Federal Bureau of Investigation (FBI). Worked with Behavioral Science Unit on Psychological Profiles of Mass Murderers and Serial Murderers.



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1979-1986

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GCA, Bedford, Mass. Work at GCA dealt with environmental problems. Some projects included: (1) Analysis plan for sampling and monitoring air, water, soil/sediments, biological samples at Love Canal Area, Michigan; (2) Designing test plans for evaluation of PCB destruction efficiency in industrial boilers (GM-Chevrolet Bay City Plant in Michigan); (3) Designing test plan to measure asbestos fiber air sample analysis; (4) Designing analysis plan to estimate efficiency of scrubber systems for removal of Sulfur dioxide.

1973-1979

Walden Research (research division of ABCOR), Wilmington, Mass. Walden Research was a research and development company involved in air quality, water quality, and other environmental areas. Worked on a number of projects, some of which included: (1) Study of growth effects of major land use projects (industrial parks, new residential development and new sewage lines). Studies involved path analysis and development of predictive models (Two contracts from Environmental Protection Agency), 1976-1978; (2) Development and evaluation of a diagnostic system for the early detection of dental caries (National Institute of Dental Research contract to Tufts University, Biomedical Division of ABCOR as subcontractor), 1977-1979; (3) Evaluation of climatological representativeness of 1964 meteorological data base - 1964 is often used as a representative year (Environmental Protection Agency contract), 1976-1978; (4) Evaluation of Walden's passive dosimeter for measuring SO<sub>2</sub> compared to other techniques, 1976-1979; (5) Study of area source hydrocarbon emissions in Chicago, Illinois. Aid in designing and analyzing questionnaire sample survey and on site follow-up to develop an area source evaporative hydrocarbon emissions inventory suitable for use in evaluating potential control strategies to ensure the attainment and maintenance of the National Ambient Air Quality Standards (NAAQS) for photochemical oxidants (Illinois Environmental Protection Agency contract), 1978-1979; (6) Statistical analysis of the source receptor relationship for oxidant and haze in the Houston Area (Houston Texas Area Oxidants Study group contract). 1978-1979; (7) Statistical evaluation of air quality impact of energy shortage for Boston area (Environmental Protection Agency contract), 1974; (8) Statistical design and analysis to study and evaluate the effect of performing various energy saving procedures on residential oil burner installations in the New England area (U.S. Department of Commerce contract), 1974-1975; (9) Statistical design and analysis of an extensive laboratory study of turbidity generating potential of sediments to be dredged. (U.S. Army Corps of Engineers contract); (10) Statistical design of a test plan to evaluate portable direct-reading H<sub>2</sub>S meters. (National Institute for Occupational Safety and Health); (11) Analysis of data on reappearance of normal sperm in guinea pigs who underwent surgical or stent reanastomosis after various time periods after a vasectomy. (Biomedical Division of ABCOR); (12) Design of quality control procedures for evaluation of membranes and other components in filtration systems; (13) Statistical designing of a test plan to evaluate ultra-filtration of bilge waste (Navy contract); (14) Statistical designing of a test plan to evaluate membrane separation processes, carbon absorption and oxidation for treatment of Must hospital waste (Contract from U.S. Army Medical Research and Development Command).

1968-1976

United Brands Company (formerly United Fruit Company), Management Sciences Division, Boston, Mass. Worked on a number of projects, some of which included: (1) Development of both long and short term Price/Quality relationships; (2) Analysis of economic time series; (3) Modeling of forecasting systems for harvesting time of agricultural products and estimation of parameters of such systems; (4) Design and analysis of consumer taste preference experiments; (5) Development of quality control

- standards and systems; (6) Analysis of survey data comparing "fast-food" units; (7) Comparative analysis of mail and telephone surveys to measure brand awareness and loyalty; (8) Design and analysis of questionnaire evaluating management training programs.
- 1974-1978 Boston Academic Consortium, Boston. Worked on: (1) Evaluation of leadership in the Army as perceived by the enlisted men (U.S. Army Research Institute for Behavioral and Social Sciences contract), 1974-1975; (2) Comparison of Army and Civilian crime. (U.S. Army Research Institute for Behavioral and Social Sciences contract); 1975-1976; (3) Investigation of adaptation of enlisted men to army life, 1976.
- 1976-1980 RDP, Waltham, Mass. RDP was a research corporation involved in contract work with the Air Force at Hanscom Field. Worked on a number of data analysis projects which included the following - data editing to remove outliers, goodness-of-fit procedures to test and determine appropriate statistical distribution of data, and time series modeling.
- 1971-1975 Diabetes and Arthritis Field Research Unit, Boston. Worked on: (1) Modeling of both glucose and insulin disappearance during the Intravenous Glucose Tolerance test; (2) Longitudinal studies in incidence and prevalence of diabetes in Oxford, a community outside Boston; (3) Joint author of a critique of University Group Diabetes Project;
- 1969- Harvard Dental School. Worked on study of appropriateness of analysis of variance techniques on dental clinical trial data. (NIH grant directed by Dr. R. Glass).
- 1968-1970 Rockefeller Foundation funded study on Bilharziasis carried out on St. Lucia, W.I. Worked on estimation of growth parameters of snails that transport Bilharziasis parasite.
- 1974-1975 Vent-O-Matic, Quincy. Aided in design of test plan to evaluate capabilities of Incinerators. (Navy contract).

## PUBLICATIONS

### Books/Monographs (Selected)

*Applied Biostatistics*, New York, NY., Thompson, 2006

*Factor Analysis: An Applied Approach* (with E.E. Cureton), Hillsdale, N.J., Erlbaum Publishers, 1983.

*Mathematical Modeling: Applications in Emergency Health Services* (co-editor with L. Shuman and H. Wolfe), New York, N.Y., Haworth Press, 1984.

*Goodness-of-Fit Techniques* (co-editor with M. Stephens of Simon Fraser University, Burnaby, Canada). New York, Marcel Dekker, Inc., 1986.

*Symposium on Longitudinal Data Analysis*, (co-editor with N. Lange, L.M. Ryan and M.R. Selwyn), *Statistics in Medicine* (1992), **11**.

*Practical Engineering Statistics* (with D. Schiff), New York, John Wiley & Sons, 1996.

*Tutorials in Biostatistics* (editor of 2 volumes), New York, John Wiley & Sons, 2004.

*Introductory Applied Biostatistics* (with L. M. Sullivan and A. Beiser), Belmont CA. Thompson Brooks/Cole, 2006.

## Articles

Estimation of Percentiles of Continuous Populations, Thesis, Harvard University, 1968.

### 1970

Linear Estimation of the Normal Distribution Standard Deviation, *The American Statistician* (June, 1970), 24(3), 14-15.

Simple Compact Portable Test of Normality: Geary's Test Revisited, *Psychological Bulletin* (1970), 74, 138-140.

Transformation to Normality of the Null Distribution of  $g_1$ , *Biometrika* (1970), 57, 679-681.

### 1971

Linear Estimation of the Weibull Parameters, *Technometrics* (1971), 13, 171-182.

An addendum to "Linear Estimation of Weibull Parameters," *Technometrics* (1971), 13, 428-429.

An Omnibus Test of Normality for Moderate and Large Size Samples, *Biometrika* (1971), 58, 341-348.

A Normal Approximation for Testing the Equality of Two Independent Chi-square Variables, (with B. Rosman), *Psychometrika* (1971), 36, 251-252.

Simulation Probability Points for  $b_2$  for Small Samples, (with G. Tietjen), *Biometrika* (1971), 58, 669-672.

A Second Look at the Analysis of Variance of Dichotomous Data, *The Journal of Educational Measurement* (1971), 8, 327-333.

### 1972

The Appropriateness of Analysis of Variance to the Statistical Analysis of Dental Clinical Trials (with Glass, Alman and Fleisch), *Archives of Oral Biology* (1972), 17, 633-643.

Relation Between the Chi-squared and ANOVA Tests for Testing the Equality of  $K$  Independent Dichotomous Populations, *The American Statistician* (June, 1972), 26(3), 30-32.

Small Sample Probability Points for the D Test of Normality, *Biometrika* (1972), 59, 219-221.

Test of Normality Against Skewed Alternatives, (with E.E. Cureton), *Psychological Bulletin* (1972), 78, 262-265.

Critique of the UGDP Mortality Analysis, (with J Sullivan and C Mahan), In *2nd International*

**1973**

Studying an Expert, in *Statistics by Example* (ed. by Mosteller, et.al.), Addison-Wesley, Reading (1973), in *Detecting Patterns* volume, 75-86.

How Much Does a 40-Pound Box of Bananas Weigh?, in *Statistics by Example* (ed. by Mosteller, et al ), Addison-Wesley, Reading (1973), in *Detecting Patterns* volume, 29-32.

A Class of Simple Linear Estimators of the Standard Deviation of the Normal Distribution, (with E.E. Cureton), *Journal of the American Statistical Association* (1973), 68, 207-210.

On the Evaluation of the Kolmogorov Statistic, (with G.E. Noether), *American Statistician* (March, 1973), 27 (2), 81-82.

Approaches to the Null Distribution of (with G. Tietjen), *Biometrika* (1973), 60, 169-173.

Power Comparison of W' and D Tests of Normality for  $n=100$ , *Communications in Statistics* (1973), 1, 545-551.

Tests for Departure from Normality, Empirical Results for the Distribution of  $b_2$  and , (with E.S. Pearson), *Biometrika* (1973), 60, 613-622.

The 27th Percent Rule Revisited (with E.E. Cureton), *Journal of Educational and Psychological Measurement* (1973), 35, 47-50.

**1974**

Glucose Disposal Rates and the Glucose Challenge in Pregnant Women (with O'Sullivan, Mahan and Charles), *Journal of Clinical Endocrinology and Metabolism* (1974), 39,1067-1071.

The Power of Geary's Test of Normality, (with B. Rosman), *Biometrika* (1974), 61, 181-184.

**1975**

Social Indicators: A Statistician's View, *Journal of Social Indicators Research* (1975), 1, 459-484.

Asymptotically Best Linear Unbiased Estimation of the Rayleigh Parameters for Complete and Tail Censored Samples (with A.F.S. Lee), *I.E.E.E. Journal of Reliability* (1975), 156-157

Decisive Factors in the Tolbutamide Controversy (with J. O'Sullivan), *Journal of the American Medical Association* (1975), 232, 825-829.

A Statistical Analysis of the Impact of the Energy Shortage on Air Quality Levels (with R. Siegel, P. Guldberg and J. Gipson), *Proceedings of Probability and Statistics in Atmospheric Sciences*, American Meteorological Society (1975).

**1976**

Linear Estimation of the Logistic Parameters for Complete or Tail Censored Samples, (with A.F.S. Lee), *Journal of the American Statistical Association* (1976), 71, 462-464.

Levels of Significance of Some Two Sample Tests when Observations are from Compound Normal Distributions, (with A.F.S. Lee), *Communications in Statistics* (1976), 5, 325-342.

Application of Path Analysis to Delineate the Secondary Growth Effects of Major Land Use Projects, (with T. McCurdy, F. Benesh and P. Guldberg), *Proceedings of Environmental Protection Agency Conference on Modelling* (1976).

A Laboratory Study of the Turbidity Generation Potential of Clay Mixtures (with D. Cogley and B. Wechsler), *Proceedings of the Specialty Conference on Dredging and its Environmental Effects*, American Society of Civil Engineers (1976).

### **1977**

Enlisted Men's Perceptions of Leader Attributes and Satisfaction with Military Life, (with P.R. Bleda and G. Gitter), *Journal of Applied Psychology* (1977), 62 (1), 43-49.

Robustness of Location Estimators Under Changes of Population Kurtosis, (with A.F.S. Lee), *Journal of American Statistical Association* (1977), 72, 393-396.

Air Quality Impact of the Energy Shortage, (with P.H. Guldberg, R.D. Siegel and G.L. Gipson), *Journal of Applied Meteorology* (1977), 16, 3-10.

Test for Departure from Normality: Comparison of Powers, (with E.S. Pearson and K.O. Bowman), *Biometrika* (1977), 64, 231-246.

A Statistical Model of the Growth and Air Pollution Impacts of Major Land Use Projects, (with P.H. Guldberg), *Proceedings of American Meteorological Society's Fifth Conference on Probability and Statistics in Atmospheric Sciences* (1977).

### **1978**

Comments on the OSHA Accuracy of Measurement Requirement for Monitoring Employee Exposure to Benzene, (with J.D. Gillespie), *American Industrial Hygiene Association Journal* (1978), 39, 510-513.

### **1979**

*Second Report on Intrauterine Contraceptive Devices*, (with FDA Fertility and Maternal Health Care Drug Advisory Committee), U.S. Government, (1979).

A Methodology for Estimating Volatile Organic Compound Emissions from Industrial Sources (with P. Morgenstern, M.C. Shah and F.W. Sherman), *American Institute of Chemical Engineers Symposium on Air* (1979).

Implications of Alternative Sampling Strategies for Emergency Medical Service Evaluation, (with J. Mitchell and M. Pozen), *Medical Care* (1979), 17(8), 828-834.

### **1980**

The Usefulness of a Predictive Instrument to Reduce Inappropriate Admissions to the Coronary Care Unit, (with M. Pozen, et al.), *Annals of Internal Medicine* (1980), 92, 238-242.

**1981**

An Analytic Method for the Evaluation of Rural Emergency Medical Service Development, (with P.A. Sytkowski and M.W. Pozen), *Medical Care* (1981), 19(5), 526-546.

Effectiveness of a Pre-Hospital Medical Control System for Analysis of the Emergency Room Physician/Paramedic Interaction, (with M.W. Pozen and P.A. Sytkowski), *Circulation* (1981), 63(2), 442-447.

**1982**

Tests of Departures from Normality, in *Encyclopedia of Statistical Sciences*, edited by N.L. Johnson and S. Kotz, Vol. 2, Wiley, New York (1982), 315-324.

Differential Effects of Experience of House Officers' Admission Diagnoses for Patients with Possible Myocardial Infarction, (with M. Pozen, D. Lerner, A. Belanger and S. Buckley), *Medical Decision Making* (1982), 2(1), 13-21.

On the Use of Confidence Intervals Following Rejection of a Null Hypothesis, (with S. Meeks), *The American Statistician* (1982).

Patterns in the Occurrences of Turbulence in the Lower Atmosphere, (with E.A. Murphy and J.P. Noonan), *Journal of Applied Meteorology* (1982), 21(3), 321-333.

The Logistic Function as an Aid in the Detection of Acute Coronary Disease in Emergency Patients, (with M. Pozen), *Statistics in Medicine* (1982), 1, 41-48.

**1983**

A Model for Comparisons with Ordered. Categorical Data (with S. Meeks), *Communications in Statistics* (1983), 12(8), 895-906.

Emergency Medical Technician and Paramedic Training: Perspectives on Status and Trends, *Emergency Health Services Review* (1983), 2(1), 1-2.

**1984**

Need and Possibilities for Research (on Emergency Medical Technician and Paramedic Training): Commentary, *Emergency Health Services Review* (1983), 2(1), 61-63.

An Aid for Diagnosing Acute Ischemic Heart Disease in the Emergency Room (with P.A. Sytkowski, M.W. Pozen and H. Selker), *Emergency Health Services Review* (1984), 2(2-3), 33-47.

Testing a Model that Evaluates Options for Rural Emergency Medical Service Development (with P. Sytkowski, A. Belanger, K. Bettencourt and J. Stokes), *Medical Care* (1984), 22(3), 202-213.

Prehospital Advanced Life Support: Benefit in Trauma (with L.M. Jacobs, A. Sinclair and A. Beiser), *Journal of Trauma* (1984), 24(1), 8-13.

Ralph B. D'Agostino

RESUME February 10, 2013

Cardiac Nuclear Imaging: Adoption of an Evolving Technology (with M.W. Pozen, D.J. Lerner, H.W. Strauss and P.M. Gertman), *Medical Care* (1984), 22(4), 343-348.

A Predictive Instrument to Improve Coronary-Care-Unit Admission Practice in Acute Ischemic Heart Disease (with M. Pozen, H. Selker and P. Sytkowski), *The New England Journal of Medicine* (1984), 310 (May), 1273-1278.

Categorical Methods for Assessing Treatment Effects in Caries Clinical Trials: Discussion of Dr. Fleiss' Presentation, *Journal of Dental Research* (1984), Special Issue May, 783.

Subarachnoid and Intracerebral Hemorrhage: Natural History, Prognoses, and Precursive Factors in the Framingham Study, (with R. Sacco, P. Wolf, et al.) *Neurology* (1984), 34(7), 847-854.

Optimal Identification of the Patient with Acute Myocardial Ischemia in the Emergency Room (with H. Selker, M. Pozen and W. Hood), in *Acute Myocardial Ischemia and Infarction*, edited by G.S. Wagner (1984), Chapter 30, 289-298.

Typology of Sex Rings Exploiting Children (with A.W. Burgess et al.), in *Child Pornography and Sex Rings*, edited by A.W. Burgess, Lexington Press, (1984).

Scope of the Problem: Investigation and Prosecution (with A.W. Burgess et al.), in *Child Pornography and Sex Rings*, edited by A.W. Burgess, Lexington Press, (1984).

Liver Transplantation (with NIH Consensus Development Panel), *Hepatology* (1984), 4(1), 1075-1105.

#### **1985**

Investigation of Sex Crimes Against Children: A Survey of Ten States (with A.W. Burgess, A. Belanger, M.V. Guio, R. Gould and C. Montan), *Police Chief* (1984), 51 (2), 37-41. Also in *Rape and Sexual Assault: A Research Handbook*, New York, Garland Publishing, (1985).

Maternal Factors in Onset of Huntington Disease (with R. Myers, A. Cupples and N. Terrin), *American Journal of Human Genetics* (1985), 37, 511-523.

Fresh Frozen Plasma: Indications and Risks (with NIH Consensus Development Panel), *Journal of the American Medical Association* (1985).

Violent Crime (with A. Burgess, R.K. Ressler, A. Belanger et al.), *Federal Bureau of Investigation Law Enforcement Bulletin* (1985), 54, 1-31. This is a special issue of the FBI Law Enforcement Bulletin devoted solely to analysis of mass and serial sexual murders. Articles in issues are (1) The Men Who Murdered, (2) The Split Reality of Murder, (3) Classifying Sexual Homicide Crime Scenes, (4) Crime Scene and Profile Characteristics of Organized and Disorganized Murderers and (5) Interviewing Techniques for Sexual Homicide Investigation.

Fibrinogen as a Risk Factor for Stroke: The Framingham Study (with P. Wolf, W. Kannel, S. Meeks and W. Castelli), *Stroke* (1985), 16, 139.

#### **1986**

Predictive Instrument for Coronary Care Unit Admission: Implication of the Multicenter Predictive

Instrument Trial (with H. Selker, W. Hood and M. Pozen), *Primary Cardiology*, Jan. (1986), 21-28.

Graphical Analysis, chapter 2 in *Goodness-of-Fit Techniques*, edited by R.B. D'Agostino and M.A. Stephens, New York: Marcel Dekker Inc., (1986), 7-62.

Tests for Normality, Chapter 9 in *Goodness-of-Fit Techniques*, edited by R.B. D'Agostino and M.A. Stephens, New York: Marcel Dekker Inc., (1986), 367-419.

Physical Activity and Physical Demand on the Job and Risk of Cardiovascular Disease and Death: The Framingham Heart Study (with W.B. Kannel, A. Belanger and I. Israel), *American Heart Journal* (1986), 112, 820-825.

Sexual Killers and Their Victims: Identifying Patterns Through Crime Scene Analysis (with R.K. Ressler, A.W. Burgess, C.R. Hartmen and J.E. Douglas), *Journal of Interpersonal Violence* (1986), 1, 288-308.

Update on Epidemiology of Stroke (with P.A. Wolf, W.B. Kannel and L.A. Cupples), *Royal Society of Medicine Services Ltd. International Congress and Symposium Series, #99*, ed. F. Clifford Ross, Royal Society of Medical Services, Ltd. (1986).

Epidemiologic Appraisal of Hypertension and Stroke Risk (with P. Wolf, W. Kannel and L.A. Cupples), in *Proceedings IV International Symposium on Hypertension*, ed. A. Bes, G. Geraud, pub. Masson Cerveau et Hypertension Arterielle, Paris, France (1986), 184-196.

## **1987**

Robustness of the t Test on Small Scaled Ordinal Data (with T. Heeren), *Statistics in Medicine* (1987), 6, 79-90.

Nonmenstrual Toxic Shock Syndrome: Methodologic Problems in the Estimation of Incidence and Delineation of Risk Factors (with D. Petitti and M.J. Oldham), *Journal of Reproductive Medicine* (1987), 32, 10-16.

Risk Factor Interaction in Cardiovascular and Cerebrovascular Disease (with P.A. Wolf and L.A. Cupples), in *Heart and Stroke: Exploring Mutual Cardiovascular and Cerebral Issues*, edited by A.J. Furlan and J.P. Conomy, New York; Springer-Verlag (1987), Chapter 18.

A Randomized Control Trial of Cardiac Rehabilitation (with A. Burgess, D. Lerner, P. Vokonas, C. Hartman and P. Gaccione), *Soc. Sci. Med.* (1987), 24, 359-370.

Fibrinogen and Risk of Cardiovascular Disease: The Framingham Study (with W.B. Kannel, P.A. Wolf, S.L. Meeks and W.P. Castelli), *Journal of the American Medical Association* (1987), 258, 1183-1186.

Some Risk Factors Related to the Annual Incidence of Cardiovascular Diseases and Death Using Pooled Repeated Biennial Measurements: the Framingham Heart Study, 30 Year Follow Up (with L.A. Cupples), as Section 34 in: *The Framingham Study-An Epidemiological Investigation of Cardiovascular Disease*. Editors: W.B. Kannel, P.A. Wolf and R.J. Garrison, U.S. Department of Commerce, National Technical Information Service (1987), NIH Publication No. 87-2703.

How Do Physicians Adapt When the Coronary-Care Unit Is Full? (with H. Selker, F. Doherty and J.



Griffith), *Journal of the American Medical Association* (1987), 257, 1181-1185.

The Relative Importance of Selected Risk Factors for Various Manifestations of Cardiovascular Disease Among Men and Women Aged 35-64: The Framingham Study 30 Year Follow Up (with J. Stokes, W.B. Kannel, P.A. Wolf and L.A. Cupples). *Circulation* (1987), 75, Supp. V, 65-73.

Fibrinogen, Cigarette Smoking and Risk of Cardiovascular Disease: Insight from the Framingham Study (with W.B. Kannel and A. Belanger), *American Heart Journal* (1987), 113, 1006-1010.

Sudden Death Risk in Overt Coronary Heart Disease: The Framingham Study (with W.B. Kannel and L.A. Cupples), *American Heart Journal* (1987), 113, 799-804.

### 1988

Hypertension, Antihypertension Treatment and Sudden Death: The Framingham Heart Study (with W.B. Kannel, L.A. Cupples and J. Stokes), *Hypertension* (1988), 11, Suppl. II, 45-50.

Comparison of Baseline and Repeated Measure Covariate Techniques in the Framingham Heart Study (with L.A. Cupples, K. Anderson and W.B. Kannel), *Statistics in Medicine* (1988), 7, 205-218.

Cigarette Smoking as a Risk Factor for Stroke (with P.A. Wolf, W.B. Kannel, Ruth Bonita and A.J. Belanger), *Journal of the American Medical Association* (1988), 259, 1025-1029.

Determinants of Isolated Systolic Hypertension (with S.B. Wilking, A. Belanger, and W.B. Kannel), *Journal of the American Medical Association* (1988), 260, 3451-3455.

The Appropriateness of Some Common Procedures for Testing the Equality of Two Independent Binomial Populations (with W. Chase and A. Belanger), *The American Statistician* (1988), 42, 198-202.

Factors Influencing Survival and the Need for Institutionalization Following Stroke: The Framingham Study (with M. Hayes, P.A. Wolf, W.B. Kannel, P. Sytkowski and G.E. Gresham), *Archives of Physical Medicine and Rehabilitation* (1988), 69, 415-418.

Effects of Anticaries Dentifrices on Orthodontic Subjects (with L.P. Cancro and S. Fischman), *Compendium of Continued Dental Education* (1988), Suppl. II, 5384-5389.

Geriatric Assessment Methods for Clinical Decision Making (with NIH Consensus Development Panel) *Journal of the American Medical Association* (1988).

A Predictive Instrument for Acute Ischemic Heart Disease to Improve Coronary Care Unit Admission Practices: A Potential On-line Tool in a Computerized Electrocardiograph (with H.P. Selker and M.M. Laks), *Journal of Electrocardiology* (1988), Supp., 88, S11-S17.

Survival Following Initial Cardiovascular Events: 30 Year Follow Up (with L.A. Cupples), as Section 35 in: *The Framingham Study-An Epidemiological Investigation of Cardiovascular Disease*. Editors: W.B. Kannel, P.A. Wolf and R.J. Garrison, U.S. Department of Commerce, National Technical Information Service (1988), NIH Publication No. 88-2970.

Means at Each Examination and Inter-Examination Consistency of Specified Characteristics: Framingham Heart Study, 30-Year Follow Up (with A.J. Belanger and L.A. Cupples), as Section 36

Ralph B. D'Agostino

RESUME February 10, 2013

in: *The Framingham Study - An epidemiological Investigation of Cardiovascular Disease*. Editors: W.B. Kannel, P.A. Wolf and R.J. Garrison, U.S. Department of Commerce, National Technical Information Service (1988), NIH Publication No. 88-2970.

Using Survival Methods to Estimate Age at Onset Distributions for Genetic Diseases with an Application to Huntington's Disease (with L.A. Cupples, N.C. Terrin and R.M. Myers), *Genetic Epidemiology* (1989), 6, 361-371.

### 1989

Prevalence of Silent Stroke in Patients Presenting with Initial Stroke: The Framingham Study (with C.S. Kase, P.A. Wolf, E.H. Chodosh, H.B. Zacker, M. Kelly-Hayes, W.B. Kannel and L. Scampini), *Stroke* (1989), 20, 850-852.

Trends in Coronary Heart Disease and Risk Factors at Age 55-64 in the Framingham Study (with W.B. Kannel, A.J. Belanger and P.A. Sytkowski), *International Journal of Epidemiology* (1989), 18, Suppl. 1, S67-S72.

Time Course of Functional Recovery After Stroke: The Framingham Study (with M. Kelly-Hayes, P.A. Wolf, C.S. Kase, G.E. Gresham and W.B. Kannel), *J. Neuro. Rehab.* (1989), 3, 65-70.

Epidemiological Background and Design: The Framingham Study (with W.B. Kannel), *Proceedings of the American Statistical Associations Sesquicentennial Invited Paper Sessions 1988 and 1989*, (1989), 707-718.

Blood Pressure as a Risk Factor for Cardiovascular Disease: The Framingham Study-30 Years of Follow Up (with J. Stokes, W.B. Kannel, P.A. Wolf and L.A. Cupples), *Hypertension* (1989), 13 (Suppl.), 13-18.

### 1990

Body Fat Distribution and Breast Cancer in the Framingham Heart Study (with R. Ballard-Barbosh, A. Schatzkin, C. Carter, W.B. Kannel, B. Kreger, G. Splansky, K.M. Anderson and W.E. Helsel), *Journal of the National Cancer Institute* (1990).

A Suggestion for Using Powerful and Informative Tests of Normality (with A.J. Belanger and R.B. D'Agostino, Jr.), *American Statistician*. (1990), 44, 316-321.

Changes in Risk Factors as the Decline in Cardiovascular Disease Mortality: The Framingham Study (with P.A. Sytkowski and W.B. Kannel), *New England Journal of Medicine*. (1990), 322, 1635-1641.

Relation of the Pooled Logistic Regression to Time Dependent Cox Covariance Analysis (with M.L. Lee, A.J. Belanger, L.A. Cupples, K. Anderson and W.B. Kannel), *Statistics in Medicine*. (1990), 9, 1501-1515.

Review of *Sturdy Statistics* by F. Mosteller and R.E.K. Rourke, in *A Statistical Model: Frederick Mosteller's Contribution to Statistics, Science and Public Policy*, New York: Springer Verlag (1990).

Commentary on M.G. Haviland's Yate's Correction for Continuity and the Analysis of 2 x 2 Contingency Tables, *Statistics in Medicine* (1990), 9, 377-378.

Efficacy and Tolerability of Lovastatin in a Six-Month Study: Analysis by Gender, Age and Hypertensive Status (with W.B. Kannel, M. Stepanians and L.C. D'Agostino), *American Journal of Cardiology* (1990), 66, 1B-10B.

Risk Reduction After Quitting Smoking (with W.B. Kannel), *Quality of Life and Cardiovascular Care* (1990).

Aortic Calcified Plaque and Cardiovascular Disease (The Framingham Study) (with J.C.M. Witteman, W.B. Kannel, P.A. Wolf, D.E. Grobbee, A. Hofman and J.C. Cobb), *American Journal of Cardiology* (1990), 66, 1060-1064.

Diabetes, Fibrinogen and Risk of Cardiovascular Disease: The Framingham Experience (with W.B. Kannel, P.W.F. Wilson, A.J. Belanger and D.R. Gagnon), *American Heart Journal* (1990), 120, 672-676.

How Important Is Functional Status As a Predictor of Service Use by Older People (with S. Tennstedt, L. Sullivan and J. McKinlay), *Journal of Aging and Health* (1990), 4(2), 439-461.

#### **1991**

Variability in Body Weight and Health Outcomes in the Framingham Population (with L. Lissner, P.M. Odell, J. Stokes, B.E. Kreger, A.J. Belanger and K.D. Brownell), *New England Journal of Medicine* (1991), 324, 1839-1844.

Probability of Stroke: A Risk Profile from the Framingham Study (with P.A. Wolf, A.J. Belanger and W.B. Kannel), *Stroke* (1991), 22, 312-318.

Multiple Comparison Procedures in Over-the-Counter Drug Clinical Trials Including Both Positive and Placebo Controls (with T. Heeren), *Statistics in Medicine* (1991), 10, 1-6.

Rejoinder to Comments on Multiple Comparison in Over-the Counter Drug Clinical Trials with Both Positive and Placebo controls (with T. Heeren), *Statistics in Medicine* (1991), 10, 27-31.

Dietary Lipid Predictors of Coronary Heart Disease in Men: The Framingham Study (with B.M. Posner, J.L. Cobb, A.J. Belanger, L.A. Cupples and J. Stokes), *Archives of Internal Medicine* (1991), 151, 1181-1187.

Anticalculus Effect of a Dentrifice Containing 0.05% Zinc Citrate Trihydrate (with V.A. Segrets, E.M. Collins, L.P. Cancro, H.J. Pfeifer and R.J. Gilbert), *Journal of Dental Research* (1991), 29-31.

Is Coronary-Care-Unit Admission Restricted for Elderly Patients? A Multicenter Study (with C. Fleming and H.P. Selker), *American Journal of Public Health* (1991), 81, 1121-1126.

Comments on Handedness and Life Span by D.F. Halpern and S. Coren (with P.A. Wolf and J.L. Cobb), *New England Journal of Medicine* (1991), 325, 1042.

Relation of Low Diastolic Blood Pressure to Coronary Heart Disease Death in Presence of Myocardial Infarction: The Framingham Study (with A.J. Belanger, W.B. Kannel and J.M. Cruickshank), *British Medical Journal* (1991), 303, 385-389.

Ralph B. D'Agostino

RESUME February 10, 2013

Tests of Normality and Other Goodness-of-Fit Tests (with A.J. Belanger and R.B. D'Agostino, Jr.) *Proceedings of the Fourth Annual North East SAS Users Group Conference* (1991), 273-279.

Predicting Reading Problems in At-Risk Children (with P. Menyuk, M. Chesnick, J.W. Liebergott, B. Korngold and A. Belanger), *Journal of Speech and Hearing Research* (1991), 34, 893-903.

A Tool for Judging Coronary Care Unit Admission Appropriateness, Valid for Both Real-Time and Retrospective Use. *Medical Care* (1991), 29, 610-627.

Dietary Predictors of Serum Cholesterol in Men: The Framingham Study (with L.M. Sonnenberg, B. Posner, A.J. Belanger and L.A. Cupples), *Archives of Internal Medicine* (1991).

Technology Assessment in the Framingham Heart Study (with M.S. Roberts, M. Dillon and P. Odell), *International Journal of Technology Assessment in Health Care* (1991), 7, 156-170.

A Time-Insensitive Predictive Instrument for Acute Myocardial Infarction Mortality: A Multicenter Study (with H. Selker and J. Griffith) *Medical Care* (1991), 29; 1196-1211.

## 1992

Goodness-of-Fit Procedures for the Logistic Distribution (with J. Massaro), in *Handbook of the Logistic Distribution*, edited by N. Balakrishnan, New York, Marcel Dekker, (1992), Chapter 13, 291-371.

Management of Risk Factors, Cerebral Ischemia: Treatment and Prevention (with P.A. Wolf and A.J. Belanger) in *Neurologic Clinics, Cerebral Ischemia: Treatment and Prevention*, edited by H.J.M. Barnett and V.C. Hachinski, Philadelphia, W.B. Saunders (1992), 177-191.

Aspirin Use and Cardiovascular Disease in Women (with J.L. Cobb, P.A. Wolf and P.F. Wilson), *New England Journal of Medicine* (1992), 267, 364.

A Comparison Between Lovastatin and Gemfibrozil in the Treatment of Primary Hypercholesterolemia (with W.B. Kannel, M.N. Stepanians and L.C. D'Agostino), *American Journal of Cardiology* (1992), 69, 28-34.

Prevalence of Dementia and Probable Senile Dementia of the Alzheimer Type in the Framingham Study (with D.L. Bachman, P.A. Wolf, R. Linn, J.E. Knoefel, J.L. Cobb, A.J. Belanger and L.R. White), *Neurology* (1992), 42, 115-119.

Comparison of Techniques for Estimating Nutrient Intake: The Framingham Study (with B.M. Posner, S.S. Martin-Munley, C. Smigelski, L.A. Cupples, J.L. Cobb, E. Schaefer and D.R. Miller), *Epidemiology* (1992),3, 171-177.

Functional Limitations and Disability Among Elders in the Framingham Study (with M. Kelly-Hayes, A.M. Jette, P.A. Wolf and P.M. Odell), *American Journal of Public Health* (1992), 82, 841-845.

Mitral Annular Calcification and the Risk of Stroke in an Elderly Cohort (with E.J. Benjamin, J.F. Plehm, A.J. Belanger, Kilomai, D.L. Fuller, P.A. Wolf and D. Levy), *New England Journal of Medicine* (1992), 327, 374-379.

Predictors of Smoking Cessation: The Framingham Study (with K.M. Freund, A.J. Belanger, W.B.

Kannel and J. Stokes), *American Journal of Epidemiology* (1992), 135, 957-964.

Discussion: Logical and Analytical Issues in Dental/Oral Product Comparison Research, *Journal of Periodontal Research* (1992) (Special Issue), 27, 349-351.

Do Patients' Coronary Risk Factor Reports Predict Acute Cardiac Ischemia in the Emergency Room? A Multicenter Study (with R. Jayes, H.P. Selker and J.R. Beshansky), *Journal of Clinical Epidemiology* (1992), 45(6), 621-626.

Maximum Likelihood Estimation for Interval-Censored Data Using a Weibull-Based the Accelerated Failure Time Model (with P. Odell and K.M. Anderson), *Biometrics* (1992), 48, 951-959.

Emergency Physician Electrocardiograph Reading: Accuracy and Effect on Triage Decisions. Findings from a Multicenter Study (with R.J. Jayes, G.C. Larsen, H. Selker and J.R. Beshansky), to be published in *Journal of General Internal Medicine*.

A Flouride Dose-Response Evaluation in an Anticaries Clinical Trial (with R.G. Marks) *Journal of Dental Research* (1992), 71(6), 1286-1291.

Epidemiology of Stroke (with P.A. Wolf and J.L. Cobb) to be published in *Stroke: Pathophysiology, Diagnosis and Management*, edited by H.J.M. Barnett, J.P. Mohr, B.M. Stein and F.M. Yatsu (1992), 625-641.

Overview of Longitudinal Analysis (with N. Lang and L. Ryan), *Statistics in Medicine* (1992), 11, 1801-1805.

Discussion of Papers of Session 2: Incomplete, Multivariate, Non-Linear, *Statistics in Medicine* (1992), 11, 1955-1963.

The Thrombolytic Predictive Instrument (TPI) Project: Combining Clinical Study Data Bases to Take Medical Effectiveness Research to the Streets (with H.P. Selker, J.L. Griffith, J.R. Beshansky, R.M. Califf, M.M. Laks, K.L. Lee, C. Maynard, G.S. Wagner and W.D. Weaver), in *Medical Effectiveness Research Data Methods*, edited by M.L. Grady and H.A. Schwartz, Rockville, MD (1992), AHCPR Pub. No. 92-0056.

Data/Variable Reduction by Principal Components, Battery Reduction and Variable Clustering (with K.A. Dukes, J. Massaro and Zhini Zhang), *Proceedings of the Fifth Annual North East SAS Users Group Conference* (1992).

Secular Trends in Stroke Incidence and Mortality: The Framingham Study (with P.A. Wolf, P.A. Sytkowski, A.J. Belanger and W.B. Kannel), *Stroke* (1992), 23, 1551-1555.

Robustness of the t Test Applied to Data Distorted from Normality by Floor Effects (with L.M. Sullivan), *Journal of Dental Research*, (1992), 71(21), 1938-1943.

Update on Fibrinogen as a Cardiovascular Risk Factor (with WB Kannel and AJ Belanger), *American Journal of Epidemiology* (1992), 2(4), 457-466.

Efficacy and Tolerability of Lovastatin in Elderly Hypercholesterolemic Patients (with WB Kannel, MN Stepanians, and LC D'Agostino), *Clinical Therapeutics* (1992), 14, 68-76.

Efficacy and Tolerability of Lovastatin in Hypercholesterolemic Women (with WB Kannel, MN Stepanians, and LC D'Agostino), *Clinical Therapeutics* (1992), 14, 390-395.

**1993**

Influence of Heart Rate on Mortality Among Persons with Hypertension: The Framingham Study (with M. Gillman, A.J. Belanger and W.B. Kannel), *American Heart Journal* (1993), 125, 1148-1154.

The Relation of Hearing in the Elderly to the Presence of Cardiovascular Disease and Cardiovascular Risk Factors (with GA Gates, JL Cobb and PA Wolf), *Archives of Otolaryngology Head and Neck Surgery* (1993), 48, 951-959.

Incidence of Dementia and Probable Alzheimer's Disease in a General Population: The Framingham Study (with D Bachman, JL Cobb and PA Wolf), *Neurology*, (1993), 43, 515-519.

Risk for Cardiovascular Disease in the Elderly and Associated Medicare Costs: The Framingham Study, *American Journal of Preventive Medicine* (1993), 9(3), 146-154.

A Comparison of Logistic Regression to Decision Tree Induction an a Medical Domain (with WJ Long, JL Griffith and HP Selker), *Computers and Biomedical Research* (1993), 26, 74-97.

Quantifying Stroke Risk Factors and Potential for Risk Factor Reduction (with PA Wolf and AJ Belanger), *Cerebrovascular Disease* (1993), 3(Suppl), 7-14.

Strategies for Dealing with Multiple Treatment Comparisons in Confirmatory Clinical Trials (with J Massaro, H Kwan and H Cabral), *Drug Information Journal* (1993), 27, 625-641.

Benefits and Adverse Effects of Weight Loss: the Framingham Heart Study (with M. Higgins, W. Kannel, J. Pinsky and J. Cobb), *Annals of Internal Medicine*, (1993), 119, 758-763.

Untreated Blood Pressure Level is Inversely Related to Cognitive Functioning: The Framingham Study (with MF Elias, PA Wolf, J Cobb and LR White), *American Journal of Epidemiology* (1993), 138, 353-363.

A Technique for Summarizing Longitudinal Data (with DK Hathaway), *Statistics in Medicine* (1993), 12, 2169-2178.

Psychological Predictors of Hypertension in the Framingham Study (with JH Markovitz, KA Matthews, WB Kannel and JL Cobb), *JAMA* (1993), 270, 2439-2443.

Impact of Heart Rate and PR Interval on Doppler Indexes of Left Ventricular Diastolic Filling in an Elderly Cohort: the Framingham Heart Study (with M Galderisi, EJ Benjamin, JC Evans, DL Fuller, B Lehman and D Levy), *American Journal of Cardiology*, (1993) 72, 1183-1187.

Secular Trends in Stroke in the Framingham Study (with PA Wolf), *Annals of Epidemiology* (1993), 3(5), 471-475.

The Health Risks of Smoking: The Framingham Study: 34 Years of Follow-Up (with K Freund, AJ Belanger, WB Kannel and J Stokes), *Annals of Epidemiology* (1993).

Number of Pregnancies and the Subsequent Risk of Cardiovascular Disease (with RB Ness, T Harris, JL Cobb, KM Flegal, JL Kelsey, AJ Belanger and AJ Stunkard) *The New England Journal of Medicine* (1993), 328, 1528-1533.

Efficacy and Tolerability of Lovastatin in Hypercholesterolemia in Patients with Systemic Hypertension (with WB Kannel, MN Stepanians, LC D'Agostino), *American Journal of Cardiology* (1993), 71, 82-87.

**1994**

Selker, H.P., Beshansky, J.R., Schmid, C.H., Griffith, J.L., **D'Agostino, R.B.**, et al., Presenting Pulse Pressure Predicts Thrombolytic Therapy-Related Intracranial Hemorrhage: Thrombolytic Prediction Instrument (TPI) Project Results, *Circulation*, 1994;90: 1657-1661.

Sperduto, R.D, Progor, M.J, Hiller, R., Milton, R.C., **D'Agostino, R.B.**, and the Framingham Offspring Eye Study Group, Familial Aggregation of Lens Opacities: The Framingham Eye Study and the Framingham Offspring Eye Study, *American Journal of Epidemiology*, 1994;140:555-564.

Selker, H.P., Griffith, J.L., and **D'Agostino, R.B.**, A Time-Insensitive Predictive Instrument for Acute Hospital Mortality Due to Congestive Heart Failure: Development, Testing, and Use for Comparing Hospitals: A Multicenter Study, *Medical Care* 1994;32:1040-1052.

Lerner, D.J., Levine, S., Malspeis, S., and **D'Agostino, R.B.**, Job Strain and Health-Related Quality of Life in a National Sample, *American Journal of Public Health* 1994;84:1580-1585.

Lerner, D.J., **D'Agostino, R.B.**, Musolino, J., and Malspeis, S., Breaking with Tradition: The New Groups in Professional Nursing, *Medical Care* 1994;32:67-80.

Dorgan, J.F., Brown, C., Barrett, M., Splansky, G., Kreger, B.E., **D'Agostino, R.B.**, Albanes, D., and Schatzkin, A., Physical Activity and Risk of Breast Cancer in the Framingham Heart Study, *American Journal of Epidemiology* 1994;139, No. 7:662-669.

**D'Agostino, R.B.**, Wolf, P.A., Belanger, A.J., and Kannel, W.B., Stroke Risk Profile: Adjustment for Antihypertensive Medication, *Stroke*, 1994;25:40-43.

Benjamin, E.J., Levy, D.L., Vaziri, S.M., **D'Agostino, R.B.**, Belanger, A., and Wolf, P.A., Independent Risk Factors for Atrial Fibrillation in a Population-Based Cohort, *JAMA*, 1994;271:840-844.

Wolf, P.A., and **D'Agostino, R.B.**, Hypertension and Risk of Stroke: The Influence of Associated Risk Factors in the Framingham Study, *Hypertens Res*, 1994; 17 Suppl I:S83-S88.

Wolf, P.A., Belanger, A.J., **D'Agostino, R.B.**, Management of Risk Factors. Cerebral Ischemia: Treatment and Prevention, 1992;3:177-191.

Wolf, P.A., Belanger, A.J., **D'Agostino, R.B.**, Quantifying Stroke Risk Factors and Potential for Risk Reduction. *Cerebro Dis.*, 1993;3:7-14.

Marks, R.G., Conti, A.J., Moorhead, J.E., Cancro, L., and **D'Agostino, R.B.**, Results from a Three-Year Caries Clinical Trial Comparing NaF and SMFP Fluoride Formulations, *International Dental Journal*, 1994;44:275-285.

Greenfield, S, Kaplan, S.H., Silliman, R., Sullivan, L, **D'Agostino, R.**, Manning, W.G., Singer, D., The Use of Quality of Life Outcomes for Reimbursement, Quality of Care and Effectiveness in Type II Diabetes, *Diabetes Care*, 1994;17(1):32-39.

Imery, P.B., Chilton, N., Pihlstrom, B.I., Proskin, H.M., Kingman, A., Listgarten, M.A., Zimmerman, S.O., Ciancio, S.G., Cohen, M.E., **D'Agostino, R.B.**, et al., Recommended Revisions to American Dental Association Guidelines for Acceptance of Chemotherapeutic Products for Gingivitis Control, *Journal of Periodontal Research*, 1994;29:299-304.

Imery, P.B., Chilton, N., Pihlstrom, B.I., Proskin, H.M., Kingman, A., Listgarten, M.A., Zimmerman, S.O., Ciancio, S.G., Cohen, M.E., **D'Agostino, R.B.**, et al., Proposed Guidelines for American Dental Association Acceptance of Products for Professional, Non-Surgical Treatment of Adult Periodontitis, *Journal of Periodontal Research*, 1994;29:348-360.

Levy, D., Solomon, M., **D'Agostino, R.B.**, Belanger, A.J., Kannel, W.B., Prognostic Implications of Baseline Electrocardiographic Features and Their Serial Changes in Subjects with Left Ventricular Hypertrophy, *Circulation*, 1994;90(4):1786-1793.

Sawin, C.L., Geller, A., Wolf, P.A., Belanger, A.J., Baker, E., Baharach, P., Wilson, W.P., Benjamin, E.J., **D'Agostino, R.B.**, Low Serum Thyrotropin Concentration as a Risk Factor for Atrial Fibrillation in Older Persons, *New England Journal of Medicine*, 1994;331:1249-1252.

Kreger, B.E., Odell, P.M., **D'Agostino, R.B.**, Wilson, P.F., Long-Term Intraindividual Cholesterol Variability: Natural Course and Adverse Impact on Morbidity and Mortality-the Framingham Study, *American Heart Journal*, 1994;127:1607-1614.

Gillman, M.W., Kannel, W.B., Belanger, A.J., **D'Agostino, R.B.**, Influence of Heart Rate on Mortality Among Persons with Hypertension: The Framingham Study, *American Heart Journal*, 1994;125:1148-1154.

Sherman, S.E., **D'Agostino, R.B.**, Cobb, J.L., Kannel, W.B., Does Exercise Reduce Mortality Rates in the Elderly? Experience from the Framingham Heart Study, *American Heart Journal* 1994;128:965-972.

Sherman, S.E., **D'Agostino, R.B.**, Cobb, J.L., Kannel, W.B., Physical Activity and Mortality in the Framingham Heart Study, *American Heart Journal*, 1994;128:879-884.

## 1995

**D'Agostino, R.B.**, Belanger, A.J., Kannel, W.B., and Higgins, M., The Role of Smoking in the U Shaped Relation of Cholesterol to Mortality in Men: The Framingham Study, *American Journal of Epidemiology*, 1995;141:822-827.

Posner, B.M., Franz, M.M., et al., Secular Trends in Diet and Cardiovascular Disease Risk Factors: The Framingham Study, *Journal of the American Dietary Association*, 1995;95:171-179.

Linn, R.T., Wolf, P.A., Bachman, D.L., Knofel, J.E., Cobb, J.L., Belanger, A.J., Kaplan, E.F., **D'Agostino, R.B.**, The 'Preclinical Phase' of Probable Alzheimer's Disease, *Arch Neurology*, 1995;52:485-490.

Greenfield, S., Sullivan, L.M., Dukes, K.A., Silliman, R., **D'Agostino, R.B.**, Kaplan, S.H., Development of Testing of a New Measure of Case Mix for use in Office Practice. *Medical Care*, 1995;33(4):AS47-AS55.

**D'Agostino, R.B.**, Kwan, H., Measuring Effectiveness: What to Expect Without a Randomized Control Group. *Medical Care*, 1995;33(4):AS95-AS105.



Elias, M.F., Cobb, J., **D'Agostino, R.B.**, White, L., Wolf, P.A., Blood Pressure Affects Cognitive Functioning: The Framingham Study Revisited, In J.E. Dimsdale and A. Baum (eds), *Quality of Life in Behavioral Medicine Research*, Hillsdale, NJ: Lawrence Erlbaum, 1995:121-143.

Maynard, C., Selker, H., Beshansky, J.R., Griffith, J.L., Schmid, C.H., Caloff, R.M., **D'Agostino, R.B.**, Laks, M.M., Lee, K.L., Wagner, G.S., Weaver, W.D., The Exclusion of Women from Clinical Trials of Thrombolytic Therapy: Implications for Developing the Thrombolytic Predictive Instrument Database, *Medical Decision Making*, 1995;15:38-43.

Kannel, W.B., **D'Agostino, R.B.**, Importance of Cardiovascular Risk Factors in the Elderly, *American Journal of Geriatric Cardiology*, 1995;:10-25. n

Kannel, W.B., Thom, T.J., **D'Agostino, R.B.**, Controlling Cardiovascular Disease: A Challenge for the 21st Century, *British J Clinical Practice*, 1995:1-15. n

Benjamin, E.J., **D'Agostino, R.B.**, Belanger, A.J., Wolf, P.A., Levy, D., Left Atrial Size and the Risk of Stroke and Death: The Framingham Heart Study, *Circulation*, 1995;92:835-841.

Myers, R.H., Schaefer, E.J., Wilson, P.W.F., **D'Agostino, R.B.**, Bachman, D.L., Ordovas, J.M., Au, R., Cobb, J.L., Wolf, P.A., Apolipoprotein E Allele 4 is Associated with Dementia in the Framingham Study, in Iqbal, K., Mortimer, J.A., Wisniewski, H.M. (eds.), *Research Advances in Alzheimer's Disease and Related Disorders*, 1995:63-70. n

Lin, H., Wolf, P.A., Benjamin, E.J., Belanger, A.J., **D'Agostino, R.B.**, Newly Diagnosed Atrial Fibrillation and Acute Stroke: The Framingham Study, *Stroke*, 1995;26:1527-1530. n

Cupples, L.A., Gagnon, D.R., Ramaswamy, R., **D'Agostino, R.B.**, Age-Adjusted Survival Curves with Application in the Framingham Study, *Stat in Med*, 1995;14:1731-1744. n

**D'Agostino, R.B.**, Belanger, A.J., Markson, E.W., Kelly-Hayes, M., Wolf, P.A., Development of Health Risk Appraisal Functions in the Presence of Multiple Indicators: The Framingham Study Nursing Home Institutionalization Model, *Stat in Med*, 1995;14:1757-1770. n

Kelly-Hayes, M., Wolf, P.A., Kase, C.S., Brand, F.N., McGuirk, J.M., **D'Agostino, R.B.**, Temporal Patterns of Stroke Onset: The Framingham Study, *Stroke*, 1995;26:1343-1347.

Cobb, J.L., Wolf, P.A., White, R., **D'Agostino, R.B.**, The Effect of Education on the Incidence of Dementia and Alzheimer's Disease in the Framingham Study, *Neurology*, 1995;45:1707-1712.

Ness, R.B., Cobb, J., Harris, T., **D'Agostino, R.B.**, Does Number of Children Increase the Rate of Coronary Heart Disease in Men? *Epidemiology*, 1995;6:442-445.

Posner, B., Franz, M., Quartromoni, P., Gagnon, D., Sytkowski, P., **D'Agostino, R.B.**, Secular Trends in Diet and Risk Factors for Cardiovascular Disease: The Framingham Study, *Journal of the American Dietary Association*, 1995;95:171-179.

Selker, H., Griffith, J.L., Patil, S., Long, W.J., **D'Agostino, R.B.**, A Comparison of Performance of Mathematical Predictive Methods for Medical Diagnosis: Identifying Acute Cardiac Ischemia Among Emergency Department Patients, *Journal of Investigative Medicine*, 1995;43:468-476.

**D'Agostino, R.B.**, Weintraub, M., Meta-analysis: A Method for Synthesizing Research, *Clinical*

*Pharmacology and Therapeutics*, 1995;58:605-616.

Elias, P.K., **D'Agostino, R.B.**, Elias, M.F., Wolf, P.A., Blood Pressure, Hypertension, and Age as Risk Factors for Poor Cognitive Performance, *Experimental Aging Research*, 1995;21:393-341.

Elias, M.F., **D'Agostino, R.B.**, Elias, P.K., Wolf, P.A., Neuro-Psychological test Performance, Cognitive Functioning, Blood Pressure and Age: The Framingham Study, *Experimental Aging Research*, 1995;21:369-391.

Elias, M.F., Elias, P.K., Cobb, J., **D'Agostino, R.B.**, White, L.R., Wolf, P.A., Blood Pressure Affects Cognitive Functioning: The Framingham Study Revisited, in J.E. Dimsdale and A. Baum, *Quality of Life in Behavioral Medicine Research*, Erlbaum Publishers, 1995: 121-143.

Selhub, J., Jacques, P.F., Bostom, A.G., **D'Agostino, R.B.**, Wilson, P.W.F., Belanger, A.J., O'Leary, D.H., Wolf, P.A., Schaefer, E.J., Rosenberg, I.H., Association Between Plasma Homocysteine Levels and extracranial Carotid Stenosis, *New England Journal Of Medicine*, 1995.

## 1996

Sytkowski, P.A., **D'Agostino, R.B.**, Belanger, A.J., Kannel, W.B., Sex and Time Trends in Cardiovascular Disease Incidence and Mortality: The Framingham Heart Study, 1950-1989, *American journal of Epidemiology*, 1996; 143:338-350.

Sytkowski, P.A., **D'Agostino, R.B.**, Belanger, A.J., Kannel, W.B., Secular Trends in Long-term Sustained Hypertension, Log-term Treatment, and Cardiovascular Mortality: The Framingham Heart Study 1950-1990. *Circulation*, 1996;93:697-703.

Sullivan, Lisa M., **D'Agostino, Ralph B.**, Robustness and Power of Analysis of Covariance Applied to Data Distorted from Normality by Floor Effects: Homogeneous Regression Slopes, *Statistics in Medicine*, 1996;15:477-496.

Kannel, W.B., **D'Agostino, R.B.**, Silbershatz, H., Use of Vital Capacity for Cardiac Failure Risk Estimation in Persons with Coronary Disease and Left Ventricular Hypertrophy, *American Journal of Cardiology*, 1996;77:1155-1158.

Kannel, W.B., **D'Agostino, R.B.**, Cobb, J.L., Effect of Weight on Cardiac Disease, *American Journal of Clinical Nutrition*, 1996;63(Supp):419S-422S.

Myers, R.H., Schaefer, E.J., Wilson, P.W.F., **D'Agostino, R.B.**, Ordovas, J.M., et al., Apolipoprotein E  $\epsilon$ 4 Associated with Dementia in a Population-Based Study: The Framingham Study, *Neurology*, 1996;46:673-677.

Selhub, J., Bostom, A., Belanger, A., **D'Agostino, R.B.**, Relationship between Plasma Homocysteine, Vitamin Status and extracranial Carotid-Artery Stenosis in the Framingham Study Population, *Journal of Nutrition*, 1996.

Podgor, M.J., Hiller, R., **D'Agostino, R.B.**, et al., Association of Types of Lens Opacities Between and Within Eyes of Individuals: An Application of Second-Order Generalized Estimating Equations, *Statistics in Medicine*, 1996;15:145-156.

Califf, R.M., Armstrong, P.W., Carver, J.R., **D'Agostino, R.B.**, Strauss, W.E., Task Force 5. Stratification of Patients into High, Medium and Low Risk Subgroups for Purposes of Risk Factor

Management, *Journal of the American College of Cardiology*, 1996;27:964-1047.

Wolf, P.A., Benjamin, E.J., Belanger, A.J., Kannel, W.B., Levy, D., **D'Agostino, R.B.**, Secular Trends in the Prevalence of Atrial Fibrillation: The Framingham Study, *American Heart Journal*, 1996

Gates, G.A., Cobb, J.L., Linn, R.T., Rees, T., Wolf, P.A., **D'Agostino, R.B.**, Central Auditory Dysfunction, Cognitive Dysfunction, Dementia in Older People, *Archives Otolaryngology Head Neck Surgery*, 1996;122:161-167.

Kannel, W.B., **D'Agostino, R.B.**, Belanger, A.J., Silbershatz, H., Tofler, G.T., Long-Term Influence of Fibrinogen on Initial and Recurrent Cardiovascular Events in Men and Women, *American Journal of Cardiology*, 1996;78:90-92.

Sullivan, L.M., **D'Agostino, R.B.**, Robustness and Power of Covariance Applied to Data Distorted from Normality by Floor Effects: Non-Homogeneous Regression Slopes, *Proceedings of the 1995 Joint Statistical Meetings, Biometrics Section*, 1995;409-414.

Lin, H.J., Wolf, P.A., Kelly-Hayes, M, **D'Agostino, R.B.**, et al., Stroke Severity in Atrial Fibrillation: the Framingham study, *Stroke*, 1996;27:1760-1764.

Millen, B.E., Quatromoni, P.A., Gagnon, D.R., Cupples, L.A., Franz, M, **D'Agostino, R.B.**, Dietary patterns of Men and Women Suggest Targets for Health Promotion: the Framingham Study, *American Journal of Health promotion*, 1996;11:42-53.

Kannel, W.B., **D'Agostino, R.B.**, Silbershatz, H., Use of Vital Capacity for Cardiac Failure Risk Estimation in Persons with Coronary Disease and Left Ventricular Hypertrophy, *American Journal of Cardiology*, 1996;77:1155-1158.

## 1997

Kannel, W.B., Thom, T.J., **D'Agostino, R.B.**, Controlling Cardiovascular Disease: A Challenge for the 21st Century, *British Journal of Clinical practice*, 1997;Supp;1-15.

Manzi, S., Meilahn, E.N., Rairie, J.E., Conte, C.G., Medsger, T.A., Jr., Jansen-McWilliams, L, **D'Agostino, R.B.**, Kuller, L.H., Age-Specific incidence Rates of Myocardial Infarction and Angina in Women with Systemic Lupus Erythematosus: Comparison with the Framingham study, *American journal of Epidemiology*, 1997;145:408-415.

Meigs, J.B., Singer, D.E., Sullivan, L.M., Dukes, K.A., **D'Agostino, R.B.**, Nathan, D., Wagner, E.H., Kaplan, S.H., Greenfield, S., Metabolic Control and Prevalent Cardiovascular Disease in Non-Insulin-Dependent Diabetes Mellitus (NIDDM): The NIDDM Patient Outcomes Research Team, *American Journal of Medicine*, 1997;102:38-47.

Murabito, J., **D'Agostino, R.B.**, Silbershatz, H., Intermittent Claudication: a Risk Profile from the Framingham Study, *Circulation*, 1997;96:44-49.

Elias, M.F., Elias, P.K., **D'Agostino, R.B.**, Cobb, J., Wolf, P.A., Comparative Effects of Age and Blood Pressure on Neuropsychological Test Performance. , in Manuk, A., Baum, J.R., Schultz, R., Rabin, B.S. (eds.), *Behavior, Health and Aging*, 1997;

Zuker, D.R., Schmid, C.H., McIntosh, M.W., **D'Agostino, R.B.**, Selker, H.P., Lau, J., Combining

Ralph B. D'Agostino

RESUME February 10, 2013

Single Patient (N-of-1) Trials to Estimate Population Treatment Effects and to Evaluate Individual Patient Responses to Treatment, *Journal of Clinical Epidemiology*, 1997;50:401-410.

Elias, M.F., Elias, P.K., **D'Agostino, R.B.**, Silbershatz, H., Wolf, P.A., The Role of Age, Education and Gender on Cognitive Performance in the Framingham Study: Community Based Norms, *Experimental Aging Research*, 1997;

Wilson, P.W.F., Hoeg, J.M., **D'Agostino, R.B.**, Silbershatz, H., Belanger, A.J., Poehlmann, H., O'Leary, D., Wolf, P.A., Cumulative Effects of High Cholesterol Levels, High Blood Pressure, and Cigarette Smoking on Carotid Stenosis, *New England Journal of Medicine*, 1997;337:516-522.

Farrer, L.A., Cupples, L.A., Kukull, W.A., Voliceer, L., Wells, J.M., Kurz, A., Green, R.C., Chui, H., Dura, R., Auerbach, S.A., Larson, E., Lautenschlager, N., Wolf, P.A., **D'Agostino, R.B.**, Ordovas, J., Schaefer, E., Growdon, J.H., Haines, J.L., Risk of Alzheimer Disease is Associated with Parental Age Among Apolipoprotein E  $\epsilon$ 4 Heterozygotes, *Alzheimer's Research*, 1997;3:83-91.

Elias, P.K., Elias, M.F., **D'Agostino, R.B.**, Cupples, L.A., Wilson, P.W., Silbershatz, H., Wolf, P.A., NIDDM and Blood Pressure as Risk Factors for Poor Cognitive Performance: the Framingham Study, *Diabetes Care*, 1997;

Selker, H.P., Griffith, J.L., Beshansky, J.R., Schmid, C.H., Califf, R.M., **D'Agostino, R.B.**, Laks, M.M., Lee, K.L., Maynard, C., Selvester, R.H., Wagner, G.S., Weaver, W.D., Patient-Specific Predictions of Outcomes in Myocardial Infarction for Real-Time Emergency use: A Thrombolytic Predictive Instrument, *Annals of Internal Medicine*, 1997;127:538-556.

Seshadri, S., Wolf, P.A., Beiser, A., Au, R., McNulty, K., White, R., **D'Agostino, R.B.**, Lifetime Risk of Dementia and Alzheimer's Disease. The Impact of Mortality on Risk Estimates in the Framingham Study, *Neurology*, 1997;49(6):1498-1504.

Schmid, C.H., **D'Agostino, R.B.**, Griffith, J.L., Beshansky, J.R., Selker, H.P., A Logistics Regression Model When Some Events Precede Treatment: The Effect of Thrombolytic Therapy for Acute Myocardial Infarction on the Risk of Cardiac Arrest, *Journal of Clinical Epidemiology*, 1997;50(11):1219-1229.

Matchar, D.B., Samsa, G.P., Matthews, J.R., Ancukiewicz, M., Parmigiani, G., Hasselblad, V., Wolf, P.A., **D'Agostino, R.B.**, Lipscomb, J., The Stroke Prevention Model: Linking Evidence and Clinical Decisions, *Ann. Intern. Med.*, 1997;127(8):704-711.

Kannel, W.B., **D'Agostino, R.B.**, Silbershatz, H., Blood Pressure and Cardiovascular Morbidity and Mortality Rates in the Elderly, *Am. Heart J.*, 1997;134(4):758-763.

Meigs, J.B., **D'Agostino, R.B.**, Wilson, P.W., Cupples, L.A., Nathan, D.M., Singer, D.E., Risk Variable Clustering in the Insulin Resistance Syndrome. The Framingham Offspring Study, *Diabetes*, 1997;46(10):1594-1600.

Hiller, R., Sperduto, R.D., Podgor, M.J., Wilson, P.W., Ferris, F.L. III, Colton, T., **D'Agostino, R.B.**, Roseman, M.J., Stockman, M.E., Milton, R.C., Cigarette Smoking and the Risk of Development of Lens Opacities. The Framingham Studies, *Arch. Ophthalmol.*, 1997;115(9):1113-1118.

## 1998

Benjamin, E.J., Wolf, P.A.W., **D'Agostino, R.B.**, Silbershatz, H., Kannel, W.B., Levy, D., Impact of

Atrial Fibrillation on the Risk of Death, *Circulation*, 1998;98:946-952.

**D'Agostino RB**, Weintraub M, Russell HK, Stepanis M, **D'Agostino RB**, Jr., Cantilena LR, Graumlich JF, Maldonado S, Honig P, Anello C. the effect of antihistamine on reducing the severity of runny nose and sneezing: a meta-analysis. *Clinical Pharmacology and Therapeutics*, 64:579-596, 1998.

Encyclopedia of Biostatistics entries, 1998

Principal Components

Multiple End Points (Global Tests)

Multiple End Points (Individual Variable Tests)

Cluster Analysis of Variables

Gresham GE, Kelly-Hayes M, Wolf PA, Beiser AS, Kase CS, **D'Agostino RB**. Survival and Functional Status 20 or More Year After First Stroke: The Framingham Study, *Stroke* 29:793-797, 1998.

Gresham, G.E., Kelly-Hayes, M., Wolf, P.A., Beiser, A.S., Kase, C.S., **D'Agostino, R.B.**, Survival and Functional Status 20 or More Years After Stroke: The Framingham Study, *Stroke*, 1998;29:793-797.

Kase, C.S., Wolf, P.A., Kelly-Hayes, M., Kannel, W.B., Beiser, A., **D'Agostino, R.B.**, Intellectual Decline After Stroke: The Framingham Study, *Stroke*, 1998;29:805-812.

Hiller R, Pogor MJ, Sperduto RD, Nowroozi L, Wilson PWF, **D'Agostino RB**, Colton T. A longitudinal study of body mass index and lens opacities, *Ophthalmology* 1998;105:1244-1250.

Kannel WB, Thom T, Silbershatz H, **D'Agostino RB**. Hurst's the Heart 9th edition. Chapter 1. Editors: Alexander RW, Schlant RC, Fuster V. 9th edition:1-20, McGraw Hill, 1998.

Kannel, W.B., Wilson, P.W.F., Silbershatz, H., **D'Agostino, R.B.**, Epidemiology of Risk Factor Clustering in Elevated Blood Pressure, in Gotto, A.M., et al. (editor), Multiple Risk Factors in Cardiovascular Disease, 1998: 325-333. Kluwer Academic Publishers, Netherlands.

Kase CS, Wolf PA, Kelly-Hayes M, Kannel WB, Beiser A, **D'Agostino RB**. Intellectual decline after stroke: The Framingham Study, *Stroke* 29:805-812, 1998.

Thom, T.J., Kannel, W.B., Silbershatz, H., **D'Agostino, R.B.**, Incidence, Prevalence and Mortality of Cardiovascular Diseases (Chapter 1), in Hurst's The Heart, 9th edition, 1998, 9th edition: 1-20. McGraw Hill.

Wilson PWF, **D'Agostino RB**, Levy D, Belanger AJ, Silbershatz H, Kannel WB. Prediction of coronary heart disease using risk factor categories, *Circulation* 1998;97:1837-47.

Witteaman, J.C.M., **D'Agostino, R.B.**, Stijnen, T., Kannel, W.B., Cobb, J.C., deRidder, M.A.J., Hofman, A., Robins, J.M., G-Estimation of Causla Effects: Isolated Hypertension and cardiovascular Death in the Framingham Study, *American Journal of Epidemiology*, 1998;148:390-401.

Wolf, P.A., Mitchell, J.B., Bajer, C.S., Kannel, W.B., **D'Agostino, R.B.**, Impact of Atrial Fibrillation on Mortality, Stroke, and Medical Costs, *Arch. Intern. Med.*, 1998;158(3):229-234.

Bostom AG, Rosenberg IH, Silbershatz H, Jacques PF, Selhub J, **D'Agostino RB**, Wilson PWF, Wolf PA, Nonfasting Plasma Total Homocysteine Levels and Stroke Incidence in Elderly Persons: The Framingham Study, *Ann Intern Med*, 1999;131:352-355.

Bostom AG, Silbershatz H, Rosenberg IH, Selhub J, **D'Agostino RB**, Wolf PA, Jacques P, Wilson PWF, Non-fasting Plasma Total Homocysteine Levels and All-Cause and Cardiovascular Disease Mortality in Elderly Framingham Men and Women, *Arch Intern Med.*, 1999;159:1077-1080.

Elias PK, Elias ME, **D'Agostino RB**, Silbershatz H, Wolf PA, Alcohol Consumption and Cognitive Performance in the Framingham Heart Study, *Am J Epidemiol* 1999;150:580-589.

Feng D, Linpaintner K, Larson M, Rao VS, O'Donnell CJ, Lipinski I, Schmitz C, Sutherland PA, Silbershatz H, **D'Agostino RB**, Muller JE, Myers RH, Levy D, Tofler GH, Arterioscler Thromb Vasc Biol, 1999;19:1142-1147.

Gates GA, Schmid P, Blinne W, Nam B, **D'Agostino RB**, High-Frequency Audiometric Notches in Older People, *J Occupational Hearing Loss*, 1999;2:1-10

Hiller R, Pogor MJ, Sperduto RD, Wilson PWF, Chew EY, **D'Agostino RB**, High Intraocular Pressure and Survival, *Amer J of Ophthalmology*, 1999;128:440-445.

Kannel WB, **D'Agostino RB**, Silbershatz H, Belanger AJ, Wilson PWF, Profile for Estimating Risk of Heart Failure, *Arch Intern Med*, 1999;159:1197-1204

Mosterd, A., **D'Agostino, R.B.**, Silbershatz, H., Sytkowski, P.A., Kannel, W.B., Grobbee, D.E., Levy, D., Impact of Hypertension treatment on Prevalence of High Blood Pressure and cardiac Target Organ Damage: The Frammingham Heart Study 1950-1989, *New England Journal of Medicine*, 1999;340:1221-1227.

Prospective Studies Collaboration. Collaborative overview ('meta-analysis') of prospective observational studies of the associations of usual blood pressure and usual cholesterol levels with common causes of death: protocol for the second cycle of the Prospective Collaboration. *J Cardiovasc Risk*, 1999;6:315-320.

Sankoh AJ, Huque MF, Russell HK, **D'Agostino RB**. Global two-group multiple endpoint adjustment methods applied to clinical trials. *Drug Information Journal*, 1999;33:119-140.

Wilson, P.W.F., Kannel, W.B., Silbershatz, H., **D'Agostino, R.B.**, Risk Factor Clustering and Coronary Heart Disease: 16 Year Follow-Up of the Framingham Offspring, *Archives of Internal Medicine*, 1999.

## 2000

Beiser A, **D'Agostino, Sr. RB**, Seshadri S, Sullivan LM, Wolf PA, Computing Estimates of incidence, Including Lifetime Risk: Alzheimer's Disease in the Framingham Study (The Practical Incidence Estimates (PIE) Macro, *Statistics in Medicine*, 2000;19:1495-1522.

**D'Agostino RB**, Editorial: Quantifying the Comparison of Two Groups, *Statistics in Medicine*, 2000;18:2551-2555.

Ralph B. D'Agostino

RESUME February 10, 2013

**D'Agostino RB**, Russell MW, Huse DM, Ellison RC, Silbershatz H, Wilson PWF, Hartz SC. Primary and Subsequent Coronary Risk Appraisal: New Results for the Framingham Study, *American Heart Journal*, 2000;39:272-281.

Elias MF, Beiser A, Wolf PA, Au R, White RF, **D'Agostino RB**, The Preclinical Phase of Alzheimer Disease)A 22-Year Prospective Study of the Framingham Cohort), *Arch Neurol*, 2000;57:808-813.

Elias MF, Elias PK, Robbins MA, Wolf PA, **D'Agostino RB**, Cardiovascular Risk Factors and Cognitive Functioning: An Epidemiological Perspective, in Waldstein SR, Elias MF (editors), *Neuropsychology of Cardiovascular Disease*. Erlbaum Ass, 2000

Gates GA, Schmid P, Kujawa SG, Nam B, **D'Agostino R**, Longitudinal Threshold Changes in Older Men with Audiometric Notches, *Hearing Research*, 2000;141:220-228.

Kingenheben T, Zabel M, **D'Agostino RB**, Cohen RJ, Hohnloser, Predictive Value of T-Wave Alternans for Arrhythmic Events in Patients with Congestive Heart Failure, *Lancet* 2000: 356: 651-

Markson EW, Kelly-Hayes M, Wilking SV, **D'Agostino RB**, Wolf P, The HARP Instrument: Gender-Specific Risk Appraisal of Nursing Home Admission. Results from the Framingham Study, *Hallym International Journal of Aging*, 2000;2(2): 149-171.

Meigs JB, Mittleman MA, Nathan DM, Singer DE, Murphy\_seehy PM, **D'Agostino, Sr. RB**, Tofler GH, Wilson PWF, Association Between Hyperinsulinemia and Hemostatic Factors According to Glucose Tolerance Status in the Framingham Offspring Study, *Circulation* 2000.

Moore LL, Vioni AJ, Wilson PWF, **D'Agostino RB**, Finkle WD, Ellison RC. Can Sustained Weight Loss in Overweight Individuals Reduce the Risk of Diabetes Mellitus? *Epidemiol*, 2000;11:269-273.

Nieto FJ, Young T, Lind B, Shahar E, Samet J, Redline S, **D'Agostino R**, Newman A, Lebowitz MD, Pickering TG, Association of Sleep-Disordered Breathing, Sleep Apnea, and Hypertension in a Large Community-Based Study, *JAMA* 2000;283:1829-1836.

Poli KA, Tofler GH, Larson MG, Evans JC, Sutherland PA, Lipinska I, Mittleman MA, Muller JE, **D'Agostino RB**, Wilson PWF, Levy D, Association of Blood Pressure with Fibrolytic Potential in the Framingham Offspring Population, *Circulation*, 2000;101:264-269.

Stec JJ, Silbershatz H, Tolfer G, Travis H, Matheney MLA, Sutherland P, Lipinska I, Massaro JM, Wilson PFW, Muler J, **D'Agostino RB**, Association of Fibrinogen with Cardiovascular Disease Risk Factors and Cardiovascular Disease in the Framingham Offspring Population, *Circulation* 2000;102:1634-1638.

## 2001

**D'Agostino Sr. RB**, Grundy S, Sullivan LM, Wilson P, Validation of the Framingham Coronary Heart Disease Prediction Scores,: Results of Multipl Ethnic Groups Investigation, *Journal of the American Medical Association* 2001;286:180-187.

Djousse L, Levy D, Cupples LA, Evans J, **D'Agostino RB**, Ellison RC, Total Serum Bilirubin and Risk of Cardiovascular Disease in the Framingham Offspring Study, *American Journal of Cardiology* 2001; 87:1196-1200.

Ralph B. D'Agostino

RESUME February 10, 2013

Grundy S, **D'Agostino RB**, Mosca L, Burke GL, Wilson PWF, Rader DJ, Cleeman JI, Rocella EJ, Cutler JA, Friedman LM, Cardiovascular Risk Assessment Based on US Cohort Studies: Findings from a National Heart, Lung, and Blood Institute Workshop, *Circulation* 2001;104:491-496.

Hadigan C, Meigs JB, Corcoran C, Rietschel P, Piecuch S, Basgoz N, Davis B, Sax P, Stanley T, Wilson PWF, **D'Agostino RB**, Grinspoon S, Metabolic Abnormalities and Cardiovascular Disease Risk Factors in Adults with Human Immunodeficiency Virus Infection and Lipodystrophy, *Clinical Infectious Diseases* 2001;32:130-139.

Lloyd-Jones DM, O'Donnell CJ, **D'Agostino RB**, Massaro J, Silbershatz H, Wilson PWF, Applicability of Cholesterol-Lowering Primary Prevention Trials to a General Population, *Arch Intern Medicine* 2001;161:949-954.

Mehr DR, Binder EF, Kruse R, **D'Agostino RB**, Predicting Mortality in Nursing Home Residents with Lower Respiratory Tract Infection. The Missouri LRI Study, *JAMA*, 2001;286:2427-2436.

Meigs JB, Jacques PF, Selhub J, Singer DE, Nathan DM, Rifai N, **D'Agostino RB**, Wilson PWF, Fasting Plasma Homocysteine Levels in the Insulin Resistance Syndrome: the Framingham Study, *Diabetes Care* 2001;24:1403-1410.

Mickels N, McManus C, Massaro J, Frieden P, Braman V, **D'Agostino RB**, Oppenheim F, Warbington M, Diabart S, Van Dyke T, Clinical and Microbial Evaluation of a Histatin Containing Mouthrinse in Humans with Experimental Gingivitis, *J Clin Periodontol* 2001; 28

Mukamal KJ, Praveen PJ, **D'Agostino RB**, Massaro JM, Mittleman MA, Lipinska I, Sutherland PA, Matheney T, Levy D, Wilson PWF, Ellison RC, Silbershatz H, Muller JE, Tofler GH, Alcohol Consumption and Hemostatic Factors: Analysis of the Framingham Offspring Cohort, *Circulation* 2001; 104: 1367-1373.

O'Donnell CL, Larson MG, Feng D, Sutherland PA, Lindpaintner K, Myers RH, **D'Agostino RB**, Levy D, Tofler GH, Genetic and Environmental Contributions to Platelet Aggregation: The Framingham Heart Study, *Circulation* 2001;103:3051-3056.

Quatromoni PA, Copenhafer DL, Demissie S, **D'Agostino RB**, O'Horo CE, Nam B, Millen BE, *Journal of Epidemiology & Community Health*, 2001.

Rost NS, Wolf PA, Kase CS, Kelly-Hayes M, Silbershatz H, Massaro JM, **D'Agostino RB**, Franzblau C, Wilson PWF, Plasma Concentration of C-reactive Protein and Risk of Ischemic Stroke and Transient Ischemic Attack: The Framingham Study, *Stroke*, 2001;32:2575-2579.

Schmid CH, Terrin N, Griffith JL, **D'Agostino RB**, Selker HP, Predictive Performance of Missing Data Methods for Logistic Regression, Classification Trees and Neural Networks, *J Statist. Comput. Simul.*, 2001;71:115-140.

Worzala N, Hiller R, Sperduto R, Mutalik K, Murabito JM, Moskowitz M, **D'Agostino RB**, Wilson PWF, Postmenopausal Estrogen Use, Types of Menopause, and Lens Opacities, *Arch Intern Med*, 2001;161:1448-1454.

Seshadri SS, Wolf PA, Beiser A, Vasan RS, Wilson PWF, Kase CS, Kelly-Hayes M, Kannel WB, **D'Agostino RB**, Elevated Midlife Blood Pressure Increases Stroke Risk in Elderly People, *Arch Intern Med*, 2001;161:2343-2350.



Atwood LD, Heard-Costa, Cupples A, Jaquish CE, Wilson PWF, **D'Agostino RB**, Genomewide Linkage Analysis of Body Mass Index across 28 Years of the Framingham Heart Study, *Am. J. Hum. Genetics*, 2002, 71.

**D'Agostino RB**, Missing Data in Clinical Trials: What to Recommend: An Academic Consultant's View, *Intern Chinesees Statistical Assoc Bulletin*, 2002 (January):51-53.

Gates GA, Mills D, Nam B, **D'Agostino R**, Rubel EW, Effects of Age on the Distortion Product Otoacoustic Emission Growth Functions, *Hearing Research*, 2002;163:53-60.

Hiller R, Sperduto RD, Reed GF, **D'Agostino RB**, Wilson PWF. Serum Lipids and Age-Related Lens Opacities: A Longitudinal Investigation, The Framingham Studies, *Ophthalmology*, 2002

Meigs JB, **D'Agostino RB**, Nathan DM, Rifai N, Wilson PWF, Longitudinal Association of Glycemia and Microalbuminuria, *Diabetes Care*, 2002;25:977-983.

Meigs JB, Larson MG, **D'Agostino RB**, Levy D, Clouse ME, Nathan DM, Wilson PWF, O'Donnell CJ, Coronary Artery Calcification in Type 2 Diabetes and Insulin Resistance, *Diabetes Care*, 2002;25:1313-1319.

Meigs JB, Nathan DM, **D'Agostino RB**, Wilson PWF, Fasting and Postchallenge Glycemia and Cardiovascular Disease Risk, *Diabetes Care*, 2002;25:1845-1850.

Millen BE, Quatramoni PA, Nam B, O'Horo, Ploak JE, **D'Agostino RB**. Dietary Patterns and the Odds of Carotid Arteriosclerosis in Women: The Framingham Nutrition Study. *Preventive Medicine* 2002;35:540-547.

Nam B, **D'Agostino RB**, Discrimination Index, the Area Under the ROC Curve, in *Goodness-of-Fit Tests and Model Validity (edited by C Huber-Carol, N. Balakrishnan, MS Nikulin and Mesbah)*, Boston, Birkhauser, 2002.

Quatramoni PA, Copenhafer DL, Demissie S, **D'Agostino RB**, O'Horo CE, Nam B, Millen BE. The External Validity of a Dietary Pattern Analysis: The Framingham Nutrition Studies. *Journal of Epidemiology Community Health* 2002;56:381-388.

Rodriguez BL, **D'Agostino RB**, Abbott RD, Kaga A, Burchfiel CM, Yano K, Ross W, Silbershatz H, Higgins MW, Popper J, Wolf PA, Curb JD, Risk of Hospitalized Stroke in Men Enrolled in the Honolulu Heart Program and the Framingham Study: A Comparison of Incidence and Risk Factor Effects, *Stroke*, 2002;23:230-237.

Seshadri SS, Beiser A, Selhub J, Jacques P, Rosenberg IH, **D'Agostino RB**, Wilson PWF, Wolf PA, Plasma Total Homocysteine as a risk Factor for Incident Dementia and Alzheimer's Disease: The Framingham Study, *New Englan Journal of Medicine*, 2002; 346:476-483.

Steinbuch M, **D'Agostino RB**, Mandel JS, Gabrielson E, McClung MR, Stemhagen A, Hofman A, Assessment of Mortality in Patients Enrolled in a Risedronate Clinical Trial Program: A Retrospective Cohort Study, *Regulatory Toxicology and Pharmacology*, 2002;35:320-326.

Sullivan LM, **D'Agostino RB**, Robustness and Power of Analysis of Covariance Applied to Data Distorted from Normality by Floor Effects: Non-Homogeneous Regression Slopes, *J Statist*.

*Comput. Simul.*, 2002;72:141-165.

Van Dyke T, Paquette D, Grossi S, Braman V, Massaro J, **D'Agostino RB**, Dibart S, Friden P. *J Clinical Periodontol* 2002;29(2):168-176.

Vasan RS, Beiser A, Seshadri S, Larson MG, Kannel WB, **D'Agostino RB**, Levy D, Residual Lifetime Risk for Developing Hypertension in Middle-aged Women and Men: The Framingham Heart Study, *JAMA*, 2002;287:1003-1010.

Vasan RS, Massaro JM, Wilson PWF, Seshadri S, Wolf PA, Levy D, **D'Agostino RB**, Antecedent Blood Pressure and Risk of Cardiovascular Disease: The Framingham Heart Study, *Circulation*, 2002;105:48-53.

Wilson PWF, **D'Agostino RB**, Sullivan L, Parise H, Kannel WB. Overweight and Obesity as Determinants of Cardiovascular Risk: The Framingham Experience. *Archives of Internal Medicine* 2002;162:1867-1872.

## 2003

**D'Agostino RB**, Massaro JM, Sullivan LM. Non-Inferiority Trials: Design, Concepts and Issues: The Encounters of Academic Consultants in Statistics. *Statistics in Medicine* 2003;22(2):169-186.

**D'Agostino RB**, Sullivan LM. Chronic Disease Data and Analysis: Current State of the Field. *Journal of Modern Applied Statistical Methods* 2003;1(2):228-239.

Elias MF, Elias PK, Sullivan LM, Wolf PA, **D'Agostino RB**. Lower Cognitive Function in the Presence of Obesity and Hypertension: The Framingham Study. *International Journal of Obesity* 2003;27:260-268.

Fox CS, Vasan RS, Parise H, Levy D, O'Donnell CJ, **D'Agostino RB**, Benjamin EJ, Mitral Annular Calcification Predicts Cardiovascular Morbidity and Mortality: The Framingham Heart Study, *Circulation* 2003; 107 (11):1492-1496.

Kelly-Hayes M, Beiser A, Kase CS, Scaramucci A, **D'Agostino RB**, Wolf PA. The influence of gender and age on disability following ischemic stroke: The Framingham Study. *Journal of Stroke and Cerebrovascular Diseases* 2003 May-June;12(3):119-126.

Meigs JB, Wilson PW, Nathan DM, **D'Agostino RB**, Williams K, Haffner SM. Prevalence and Characteristics of the Metabolic Syndrome in the San Antonio Heart and Framingham Offspring Studies. *Diabetes* 2003;52:2160-2167.

Murrugat J, **D'Agostino RB**, Sullivan L, Elosua R, Wilson P, Ordovas J, Solanas P, Cordon F, Ramos R, Sala J, Kannel WB. An Adaptation of the Framingham Coronary Risk Function to Southern Europe Mediterranean Areas. *Journal of Epidemiology and Community Health* 2003;57:634-638.

Murrugat J, Solanas P, **D'Agostino RB**, Sullivan L, Ordovas J, Cordon F, Ramos R, Sala J, Masia R, Rohlfs I, Elosua, Kannel WB. Coronary Risk Estimation in Spain Using a Calibrated Framingham Function. *Revista Espanola de Cardiologia* 2003;56(3):253-261.

Roubenoff R, Parise H, Payette H, Abad LW, **D'Agostino RB**, Jacques PF, Wilson PWF, Dinarello C, Harris T. Cytokines, Insulin-Like Growth Factor-I, and Sarcopenia Predict Mortality in Very Old

Community-Dwelling Men and Women: The Framingham Study. *American Journal of Medicine* 2003; 115.

Tan ZS, Seshadri S, Beiser A, Wilson PW, Kiel DP, Tocco M, **D'Agostino RB**, Wolf PA. Plasma Total Cholesterol Level as a Risk Factor for Alzheimer Disease: The Framingham Study, *Arch Intern Med* 2003;163(9):1053-1057.

Vasan RS, Beiser A, **D'Agostino RB**, Levy D, Selhub J, Jacques PF, Rosenberg IH, Wilson PWF. Plasma Homocysteine and Risk for Congestive Heart Failure in Adults Without Prior Myocardial Infarction, *JAMA* 2003;289(10):1251-1257.

Vasan RS, Sullivan LM, Roubenoff R, Dinarello CA, Harris T, Benjamin EJ, Sawyer DB, Levy D, Wilson PW, **D'Agostino RB**. Inflammatory Markers and Risk of Heart Failure in Elderly Subjects without a Prior Myocardial Infarction. *Circulation* 2003;107:1456-1491.

Wang TJ, Larson MG, Levy D, Vasan RS, Leip EP, Wolf PA, **D'Agostino RB**, Murabito JM, Kannel WB, Benjamin EJ. Temporal Relations of Atrial Fibrillation and Congestive Heart Failure and Their Joint Influence on Mortality: The Framingham Heart Study, *Circulation* 2003;107(23):2920-2925.

Wang TJ, Massaro JM, Levy D, Vasan RS, Wolf PA, **D'Agostino RB**, Larson MG, Kannel WB, Benjamin EJ. A Risk Score for Predicting Stroke or Death in Individuals with New-Onset Atrial Fibrillation in the Community: The Framingham Heart Study, *JAMA* 2003;290(8):1049-1056.

Wang TJ, Nam B, **D'Agostino RB**, Wolf PA, Lloyd-Jones DM, MacRae CA, Wilson PW, Polak O'Donnell CJ. Carotid Intimal-Media Thickness is Associated with Premature Parental Coronary Heart Disease: The Framingham Heart Study. *Circulation* 2003;108:572-576.

## 2004

Antolini A, Nam BH, **D'Agostino RB**. Inference on correlated discrimination measures in survival analysis: a nonparametric approach. *Communications in Statistics* 2004;33(9):1-18.

Atwood LD, Wolf PA, Heard-Costa NL, Massaro J, Beiser A, **D'Agostino RB**, DeCarli C. Genetic variation in white matter hyperintensity volume in the Framingham Study. [Epub 2004 May 13]. *Stroke* 2004;35(7):1609-1613.

Au R, Seshadri S, Wolf PA, Elisa MF, Elias PK, Sullivan L, Beiser A, **D'Agostino RB**. New norms for a new generation: cognitive performance in the Framingham Offspring Cohort. *Experimental Aging Research* 2004;30:333-358.

Chakraborty N, Seshadri S, Beiser A, Ivan CS, Au R, Kase CS, Kelly-Hayes M, Wolf PA: Response: Does preventing stroke prevent all kinds of dementia? *Stroke* 2004; 35(11):2436-2437 (Author Reply 2437).

**D'Agostino RB**, Massaro JM. New developments in medical clinical trials. *J Dent Res* 2004;83(Spec Iss C):C18-C24.

**D'Agostino RB**, Nam BH. Evaluation of the performance of survival analysis models: discrimination and calibration measures. *Advances in Survival Analysis: Handbook of Statistics* 2004;23:1-25.

**D'Agostino Sr. RB**. Editorial: The statistician and the data monitoring committee. *Statistics in*

Ralph B. D'Agostino  
Medicine 2004;23:1501-1502.

RESUME February 10, 2013

Dhingra R, Pencina MJ, Benjamin EJ, Levy D, Larson MG, Meigs JB, Rifai N, **D'Agostino Sr, RB**, Vasan RS. Cross-sectional relation of urinary sodium excretion to cardiac structure and hypertrophy. *American Journal of Hypertension* 2004;17:891-896.

Djousse L, Levy D, Benjamin EJ, Blease SJ, Russ A, Larson MG, Massaro JM, **D'Agostino RB**, Wolf PA, Ellison RC. Long-term alcohol consumption and the risk of atrial fibrillation in the Framingham Study. *Am J Cardiol* 2004;93:710-713.

Djousse L, Schatzkin A, Chibnik LB, **D'Agostino RB**, Kreger BE, Ellison RC. Alcohol consumption and the risk of bladder cancer in the Framingham Heart Study. *J Natl Cancer Inst* 2004;96:1397-1400.

Eaker ED, Sullivan LM, Kelly-Hayes M, **D'Agostino RB**, Benjamin EJ. Does job strain increase the risk for coronary heart disease or death in men and women? The Framingham Heart Study. *Am J Epidemiol* 2004;159:950-958.

Elias MF, Sullivan LM, **D'Agostino RB**, Elias PK, Beiser A, Au R, Seshadri S, DeCarli C, Wolf PA. Framingham stroke risk profile lowered cognitive performance. *Stroke* 2004;35(2):404-409.

Elias PK, Elias MF, **D'Agostino RB**, Sullivan LM, Wolf PA. Serum cholesterol and cognitive performance in the Framingham Heart Study. *Psychosomatic Medicine*. In Press.

Elosua R, Ordovas JM, Cupples LA, Fox CS, Polak JF, Wolf PA, **D'Agostino RB**, O'Donnell CJ. Association of APOE genotype with carotid atherosclerosis in men and women: the Framingham Heart Study. [Epub 2004 Jul 16]. *J Lipid Res* 2004 Oct;45(10):1868-75 .

Fibrinogen Studies Collaboration. Collaborative meta-analysis of prospective studies of plasma fibrinogen and cardiovascular disease. *Eur J Cardiovasc Prevention Rehab* 2004;11:9-17.

Fox CS, Coady S, Sorlie PD, Levy D, Meigs JB, D'Agostino Sr. RB, Wilson PWF, Savage PJ. Trends in cardiovascular complications of diabetes. *JAMA* 2004;292:2495-2499.

Fox CS, Larson MG, Corey D, Feng D, Lindpaintner K, Polak JF, Wolf PA, **D'Agostino RB**, Tofler GH, O'Donnell CJ. Absence of association between polymorphisms in the hemostatic factor pathway genes and carotid intimal medial thickness: the Framingham Heart Study. *Stroke* 2004;35:e65-e67.

Fox CS, Parise H, **D'Agostino RB**, Sr., Lloyd-Jones DM, Vasan RS, Wang TJ, Levy D, Wolf PA, Benjamin EJ. Parental atrial fibrillation as a risk factor for atrial fibrillation in offspring. *JAMA* 2004;291(23):2851-2855.

Fox CS, Parise H, Vasan RS, Levy D, O'Donnell CJ, **D'Agostino RB**, Plehn JF, Benjamin EJ. Mitrial annular calcification is a p0redictor for incident atrial fibrillation. *Atherosclerosis* 2004 Apr;173(2):291-294.

Freedman DS, Otvos JD, Jeyarajah EJ, Shalaurova I, Cupples LA, Parise H, **D'Agostino RB**, Wilson PW, Schaefer EJ. Sex and age differences in lipoprotein subclasses measured by nuclear magnetic resonance spectroscopy: The Framingham Study. *Clinical Chemistry* 2004;50(7):1189-1200.

Ralph B. D'Agostino

RESUME February 10, 2013

Govindarajulu U, Sullivan LM, **D'Agostino RB**. SAS Macro for confidence interval estimation for CHD risk prediction by different survival models. *Computational Statistics & Data Analysis* 2004;46:571-592.

Janardhan V, Wolf PA, Kase CS, Massaro JM, **D'Agostino RB**, Franzblau C, Wilson PW. Anticardiolipin antibodies and risk of ischemic stroke and transient ischemic attack: the Framingham cohort and offspring study. *Stroke* 2004;35:736-741.

Jeerakathil T, Wolf PA, Beiser A, Massaro J, Seshadri S, **D'Agostino RB**, DeCarli C. Stroke risk profile predicts white matter hyperintensity volume: the Framingham Study. *Stroke* 2004;35(8):1857-1861.

Kannel WB, **D'Agostino RB**, Sullivan LM, Wilson PW. Concept and usefulness of cardiovascular risk profiles. *Am Heart J* 2004;148:16-26.

Kannel WB, Wilson PW, Nam BH, **D'Agostino RB**, Li J. A likely explanation for the J-curve of blood pressure cardiovascular risk. *Am J Cardiol* 2004 Aug 1;94(3):380-384.

Kruse RL, Mehr DR, Boles KE, Lave JR, Binder EF, Madsen R, **D'Agostino RB**. Does hospitalization impact survival after lower respiratory infection in nursing home residents? *Med Care* 2004;42:860-870.

Liu J, Hong Y, **D'Agostino RB**, Wu Z, Wang W, Sun J, Wilson PWF, Kannel WB, Zhao D. Predictive value for the Chinese population of the Framingham CHD Risk Assessment Tool compared with the Chinese Multi-provincial Cohort Study. *JAMA* 2004;291(21):2591-2599.

Lloyd-Jones DM, Wang TJ, Leip MS, Larson MG, Levy D, Vasa RS, **D'Agostino RB**, Massaro JM, Beiser A, Wolf PA, Benjamin EJ. Lifetime risk for development of atrial fibrillation: The Framingham Study. *Circulation* 2004;110:1042-1046.

Lloyd-Jones DM, Wilson PW, Larson MG, Beiser A, Leip EP, **D'Agostino RB**, Levy D. Framingham risk score and prediction of lifetime risk for coronary heart disease. *Am J Cardiol* 2004;94:20-24.

Murabito JM, Nam BH, **D'Agostino RB**, Lloyd-Jones DM, O'Donnell CJ, Wilson PWF. Accuracy of offspring reports of parental cardiovascular disease history: The Framingham Offspring Study. *Ann Intern Med* 2004;140:434-440.

Pencina MJ, **D'Agostino RB**. Overall C as a measure of discrimination in survival analysis: model specific population value and confidence interval estimation. *Statistics in Medicine* 2004;23:2109-2123.

Rutter MK, Meigs JB, Sullivan LM, **D'Agostino RB**, Wilson PW. C-reactive protein, the metabolic syndrome, and prediction of cardiovascular events in the Framingham Offspring Study. *Circulation* 2004 Jul 27;110(4):380-385.

## 2005

Arnlov J, Evans JC, Meigs JB, Wang TJ, Fox CS, Levy D, Benjamin EJ, **D'Agostino RB**, Vasan RS. Low-grade albuminuria and incidence of cardiovascular disease events in nonhypertensive and nondiabetic individuals: the Framingham Heart Study. *Circulation* 2005; 112(7):969-975.

Ralph B. D'Agostino

RESUME February 10, 2013

Arnlov J, Pencina MJ, Nam BH, Meigs JB, Fox CS, Levy D, **D'Agostino RB**, Vasan RS: Relations of insulin sensitivity to longitudinal blood pressure tracking: variations with baseline age, body mass index, and blood pressure. *Circulation* 2005; 112(12):1719-1727.

Danesh J, Lewington S, Thompson SG, Lowe GD, Collins R, Kostis JB, Wilson AC, **D'Agostino R**, Kannel WB, Wilson PW, Tofler G,: Plasma fibrinogen level and the risk of major cardiovascular diseases and nonvascular mortality: an individual participant meta-analysis. *JAMA* 2005; 294(14):1799-1809.

DeCarli C, Massaro J, Harvey D, Hald J, Tullberg M, Au R, Beiser A, **D'Agostino R**, Wolf PA: Measures of brain morphology and infarction in the Framingham Heart Study: establishing what is normal. *Neurobiol Aging* 2005; 26(4):491-510.

Dhingra R, Ho NB, Benjamin EJ, Wang TJ, Larson MG, **D'Agostino RB, Sr.**, Levy D, Vasan RS: Cross-sectional relations of electrocardiographic QRS duration to left ventricular dimensions: the Framingham Heart Study. *J Am Coll Cardiol* 2005; 45(5):685-689.

Djousse L, Levy D, Herbert AG, Wilson PW, **D'Agostino RB**, Cupples LA, Karamohamed S, Ellison RC: Influence of alcohol dehydrogenase 1C polymorphism on the alcohol-cardiovascular disease association (from the Framingham Offspring Study). *Am J Cardiol* 2005; 96(2):227-232.

Eaker ED, Sullivan LM, Kelly-Hayes M, **D'Agostino RB, Sr.**, Benjamin EJ: Tension and anxiety and the prediction of the 10-year incidence of coronary heart disease, atrial fibrillation, and total mortality: the Framingham Offspring Study. *Psychosom Med* 2005; 67(5):692-696.

Elias MF, Sullivan LM, **D'Agostino RB**, Elias PK, Jacques PF, Selhub J, Seshadri S, Au R, Beiser A, Wolf PA: Homocysteine and cognitive performance in the Framingham Offspring study: age is important. *Am J Epidemiol* 2005; 162(7):644-653.

Elias PK, Elias MF, **D'Agostino RB**, Sullivan LM, Wolf PA: Serum cholesterol and cognitive performance in the Framingham Heart Study. *Psychosom Med* 2005; 67(1):24-30.

Elias MF, Elias PK, Sullivan LM, Wolf PA, **D'Agostino RB**: Obesity, diabetes and cognitive deficit: the Framingham Heart Study. *Neurobiol Aging* 2005; 26 Suppl 1:11-16.

Fox CS, Heard-Costa NL, Vasan RS, Murabito JM, **D'Agostino RB, Sr.**, Atwood LD: Genomewide linkage analysis of weight change in the Framingham Heart Study. *J Clin Endocrinol Metab* 2005; 90(6):3197-3201.

Goff DC, Sullivan LM, McEvoy JP, Meyer JM, Nasrallah HA, Daumit GL, Lamberti S, **D'Agostino RB**, Stroup TS, Davis S, Lieberman JA: A comparison of ten-year cardiac risk estimates in schizophrenia patients from the CATIE study and matched controls. *Schizophr Res* 2005; Dec 1;80(1):45-53.

Hanley AJG, Meigs JB, Williams K, Haffner SM, **D'Agostino RB Sr.** Misuse of factor analysis in the study of insuline resistance syndrome. *Am J Epidemiol* 2005;161:1181-1185. (letter to the editor)

Millen BE, Quatromoni PA, Nam BH, Pencina MJ, Polak JF, Kimokoti RW, Ordovas JM, **D'Agostino RB**: Compliance with expert population-based dietary guidelines and lower odds of carotid atherosclerosis in women: the Framingham Nutrition Studies. *Am J Clin Nutr* 2005; 82(1):174-180.

Ralph B. D'Agostino

RESUME February 10, 2013

Millen BE, Quatromoni PA, Pencina M, Kimokoti R, Nam BH, Cobain S, Kozak W, Appugliese DP, Ordovas J, **D'Agostino RB**: Unique dietary patterns and chronic disease risk profiles of adult men: the Framingham Nutrition Studies. *J Am Diet Assoc* 2005; 105(11):1723-1734.

Moore LL, Visioni AJ, Qureshi MM, Bradlee ML, Ellison RC, **D'Agostino R**: Weight loss in overweight adults and the long-term risk of hypertension: the Framingham study. *Arch Intern Med* 2005; 165(11):1298-1303.

Moya FR, Gadzinowski J, Bancalari E, ..., **D'Agostino RB**, A multicenter, randomized, masked, comparison trial of lucinactant, colfosceril palmitate and Berectant for the treatment of respiratory distree syndrome amon very preterm infants. *Pediatrics* 2005;115:1018-1028

Mukamal KJ, Massaro JM, Ault KA, Mittleman MA, Sutherland PA, Lipinska I, Levy D, **D'Agostino RB**, Tofler GH: Alcohol consumption and platelet activation and aggregation among women and men: the Framingham Offspring Study. *Alcohol Clin Exp Res* 2005; 29(10):1906-1912.

Murabito JM, Evans JC, **D'Agostino RB, Sr.**, Wilson PW, Kannel WB: Temporal trends in the incidence of intermittent claudication from 1950 to 1999. *Am J Epidemiol* 2005; 162(5):430-437.

Murabito JM, Pencina MJ, Nam BH, **D'Agostino RB, Sr.**, Wang TJ, Lloyd-Jones D, Wilson PW, O'Donnell CJ: Sibling cardiovascular disease as a risk factor for cardiovascular disease in middle-aged adults. *JAMA* 2005; 294(24):3117-3123.

Murphy TP, Cooper CJ, Dworkin LD, Henrick WL, Rundback JH, Matsumoto AH, Lamerson KA, **D'Agostino RB**. The caariovascular outcomes with renal atherosclerotic lesions (CORAL) study: rationale and methods. *J Vasc Interv Radiol* 2005;16:1295-1300.

**Najarian RM, Sullivan LM, Kannel WB, Wilson PWF, D'Agostino RB**, Wolf PA. Metabolic Syndrome compared with type 2 diabetes as arisk factor for stroke: the Framingham offspring study. *Arch Intern Med* 2005;165:1-6.S11-S16.

Newton-Cheh C, Larson MG, Corey DC, Benjamin EJ, Herbert AG, Levy D, **D'Agostino RB**, O'Donnell CJ: QT interval is a heritable quantitative trait with evidence of linkage to chromosome 3 in a genome-wide linkage analysis: The Framingham Heart Study. *Heart Rhythm* 2005; 2(3):277-284.

Peter I, Shearman AM, Zucker DR, Schmid CH, Demissie S, Cupples LA, Larson MG, Vasan RS, **D'Agostino RB**, Karas RH, Mendelsohn ME, Housman DE, Levy D: Variation in estrogen-related genes and cross-sectional and longitudinal blood pressure in the Framingham Heart Study. *J Hypertens* 2005; 23(12):2193-2200.

Quatromoni P, Pencina M, Kimokoti R, Nam B-H, Cobain M, Kozak Waldemar W, Appugliese DP, Ordovas J, **D'Agostino RB**. Uniques dietary patterns and chronic disease risk profiles of adult men: the Framingham nutrition studies. *Jour American Dietetic Assoc.* 2005;105:1723-1734.

Radziszewska B, Hart RG, Wolf PA, **D'Agostino RB, Sr.**, Cutler JA: Clinical research in primary stroke prevention: needs, opportunities, and challenges. *Neuroepidemiology* 2005; 25(2):91-104.

Rutter MK, Meigs JB, Sullivan LM, **D'Agostino RB, Sr.**, Wilson PW: Insulin resistance, the metabolic syndrome, and incident cardiovascular events in the Framingham Offspring Study. *Diabetes* 2005; 54(11):3252-3257.

Ralph B. D'Agostino

RESUME February 10, 2013

Seshadri S, Wolf PA, Beiser A, Elias MF, Au R, Kase CS, **D'Agostino RB**, DeCarli C: Stroke risk profile, brain volume, and cognitive function: the Framingham Offspring Study. *Neurology* 2004; 63(9):1591-1599.

Sinha SK, Lacaze-Masmonteil T, Soler AV, ..., **D'Agostino RB**. A multicenter, randomized, controlled trial of lucinactant versus poractant alfa among very premature infants at high risk for respiratory distress syndrome. *Pediatrics* 2005;115:1030-1037.

Sonnenberg L, Pencina M, Kimokoti R, Quatromoni P, Nam BH, **D'Agostino R**, Meigs JB, Ordovas J, Cobain M, Millen B: Dietary patterns and the metabolic syndrome in obese and non-obese Framingham women. *Obes Res* 2005; 13(1):153-162.

Sundstrom J, Sullivan L, **D'Agostino RB**, Levy D, Kannel WB, Vasani RS: Relations of serum uric acid to longitudinal blood pressure tracking and hypertension incidence. *Hypertension* 2005; 45(1):28-33.

Terry DF, Pencina MJ, Vasani RS, Murabito JM, Wolf PA, Hayes MK, Levy D, **D'Agostino RB**, Benjamin EJ: Cardiovascular risk factors predictive for survival and morbidity-free survival in the oldest-old Framingham Heart Study participants. *J Am Geriatr Soc* 2005; 53(11):1944-1950.

Tofler GH, Massaro, Levy D, Mittleman M, Sutherland P, Lipinska I, Muller J, **D'Agostino RB**. Relation of the prothrombotic state to increasing age (from the Framingham Offspring Study).

Vasani RS, **D'Agostino RB**. Age and time need not and should not be eliminated from the coronary risk prediction models. *Circulation* 2005;111:542-545.

Vasani RS, Pencina MJ, Cobain M, Freiberg MS, **D'Agostino RB**: Estimated risks for developing obesity in the Framingham Heart Study. *Ann Intern Med* 2005; 143(7):473-480.

Vasani RS, Sullivan LM, Wilson PW, Sempos CT, Sundstrom J, Kannel WB, Levy D, **D'Agostino RB**: Relative importance of borderline and elevated levels of coronary heart disease risk factors. *Ann Intern Med* 2005; 142(6):393-402.

Wang TJ, Evans JC, Meigs JB, Rifai N, Fox CS, **D'Agostino RB**, Levy D, Vasani RS: Low-grade albuminuria and the risks of hypertension and blood pressure progression. *Circulation* 2005; 111(11):1370-1376.

Wang TJ, Parise H, Levy D, **D'Agostino RB, Sr.**, Wolf PA, Vasani RS, Benjamin EJ: Obesity and the risk of new-onset atrial fibrillation. *JAMA* 2004; 292(20):2471-2477. *Med* 2005; 67(5):697-702.

Yang Q, Lai CQ, Parnell L, Cupples LA, Adiconis Z, Zhu Y, Ison PW, Housma DE, Sherman AM, **D'Agostino RB**, Ordovas JM: Genome-wide linkage analyses and candidate gene fine mapping for HDL3 cholesterol: the Framingham Study. *J Lipid Res* 2005;46: 1416-1425. *Am J Cardiol* 2005;96:BE

Tofler GH, Massaro J, Levy D, Mittleman M, Sutherland P, Lipinska I, Muller JE, **D'Agostino RB**: Relation of the prothrombotic state to increasing age (from the Framingham Offspring Study). *Am J Cardiol* 2005; 96(9):1280-1283.

Wilson PW, **D'Agostino RB**, Parise H, Sullivan L, Meigs JB: Metabolic syndrome as a precursor of cardiovascular disease and type 2 diabetes mellitus. *Circulation* 2005; 112(20):3066-3072.



Wilson PW, Nam BH, Pencina M, **D'Agostino RB, Sr.**, Benjamin EJ, O'Donnell CJ: C-reactive protein and risk of cardiovascular disease in men and women from the Framingham Heart Study. *Arch Intern Med* 2005; 165(21):2473-2478.

Yang Q, Lai CQ, Parnell L, Cupples LA, Adiconis X, Zhu Y, Wilson PW, Housman DE, Shearman AM, **D'Agostino RB**, Ordovas JM: Genome-wide linkage analyses and candidate gene fine mapping for HDL3 cholesterol: the Framingham Study. *J Lipid Res* 2005; 46(7):1416-1425.

## 2006

Arnlov J, Pencina MJ, Amin S, Nam BH, Benjamin EJ, Murabito JM, Wang TJ, Knapp PE, **D'Agostino RB, Sr.**, Bhasin S, Vasani RS: Endogenous sex hormones and cardiovascular disease incidence in men. *Ann Intern Med* 2006; 145(3):176-184.

Au R, Massaro JM, Wolf PA, Young ME, Beiser A, Seshadri S, **D'Agostino RB**, DeCarli C: Association of white matter hyperintensity volume with decreased cognitive functioning: the Framingham Heart Study. *Arch Neurol* 2006; 63(2):246-250.

Brindle P, May M, Gill P, Cappuccio F, **D'Agostino RB Sr.**, Fischbacher C, Ebrahim S. Primary prevention of cardiovascular disease: a web-based risk score for seven British black and minority ethnic groups. *Heart* 2006 Nov;92(11):1595-602. Epub 2006 Jun 8.

**D'Agostino RB**: Risk prediction and finding new independent prognostic factors. *J Hypertens* 2006; 24(4):643-645.

Dhingra R, Pencina MJ, Wang TJ, Nam BH, Benjamin EJ, Levy D, Larson MG, Kannel WB, **D'Agostino RB, Sr.**, Vasani RS: Electrocardiographic QRS duration and the risk of congestive heart failure: the Framingham Heart Study. *Hypertension* 2006; 47(5):861-867.

Elias MF, Sullivan LM, Elias PK, Vasani RS, **D'Agostino RB**, Seshadri S, Au R, Wolf PA, Benjamin EJ: Atrial fibrillation is associated with lower cognitive performance in the Framingham Offspring Men. *The Journal of Stroke and Cerebrovascular Diseases* 2006;(Sep-Oct) 15(5):214-222.

Elosua R, Cupples LA, Fox CS, Polak JF, **D'Agostino RB, Sr.**, Wolf PA, O'Donnell CJ, Ordovas JM: Association between well-characterized lipoprotein-related genetic variants and carotid intimal medial thickness and stenosis: the Framingham Heart Study. *Atherosclerosis* 2006; 189(1):222-228.

Elosua R, Ordovas JM, Cupples LA, Lai CQ, Demissie S, Fox CS, Polak JF, Wolf PA, **D'Agostino RB, Sr.**, O'Donnell CJ: Variants at the APOA5 locus, association with carotid atherosclerosis, and modification by obesity: the Framingham Study. *J Lipid Res* 2006; 47(5):990-996.

Fox CS, Guo CY, Larson MG, Vasani RS, Parise H, O'Donnell CJ, **D'Agostino RB, Sr.**, Keaney JF, Jr., Benjamin EJ: Relations of inflammation and novel risk factors to valvular calcification. *Am J Cardiol* 2006; 97(10):1502-1505.

Fox CS, Larson MG, Vasani RS, Guo CY, Parise H, Levy D, Leip EP, O'Donnell CJ, **D'Agostino RB, Sr.**, Benjamin EJ: Cross-sectional association of kidney function with valvular and annular calcification: the Framingham Heart Study. *J Am Soc Nephrol* 2006; 17(2):521-527.

Fox CS, Pencina MJ, Meigs JB, Vasan RS, Levitzky YS, **D'Agostino RB, Sr.**: Trends in the incidence of type 2 diabetes mellitus from the 1970s to the 1990s: the Framingham Heart Study. *Circulation* 2006; 113(25):2914-2918.

Kathiresan S, Otvos JD, Sullivan LM, Keyes MJ, Schaefer EJ, Wilson PW, **D'Agostino RB**, Vasan RS, Robins SJ: Increased small low-density lipoprotein particle number: a prominent feature of the metabolic syndrome in the Framingham Heart Study. *Circulation* 2006; 113(1):20-29.

Lee DS, Pencina MJ, Benjamin EJ, Wang TJ, Levy D, O'Donnell CJ, Nam BH, Larson MG, **D'Agostino RB**, Vasan RS: Association of parental heart failure with risk of heart failure in offspring. *N Engl J Med* 2006; 355(2):138-147.

Loucks EB, Sullivan LM, **D'Agostino Sr RB**, Larson MG, Berkman LF, Benjamin EJ: Social networks and inflammatory markers in the Framingham Heart Study. *J Biosoc Sci* 2006; 38(6):835-842.

Loucks EB, Sullivan LM, Hayes LJ, **D'Agostino RB, Sr.**, Larson MG, Vasan RS, Benjamin EJ, Berkman LF: Association of educational level with inflammatory markers in the Framingham Offspring Study. *Am J Epidemiol* 2006; 163(7):622-628.

Meigs JB, O'Donnell CJ, Tofler GH, Benjamin EJ, Fox CS, Lipinska I, Nathan DM, Sullivan LM, **D'Agostino RB**, Wilson PW: Hemostatic markers of endothelial dysfunction and risk of incident type 2 diabetes: the Framingham Offspring study. *Diabetes* 2006; 55(2):530-537.

Meigs JB, Wilson PW, Fox CS, Vasan RS, Nathan DM, Sullivan L, **D'Agostino RB**: Body mass index, metabolic syndrome and risk of type 2 diabetes or cardiovascular disease. *J Clin Endocrinol Metab* 2006; 91(8):2906-2912.

Millen BE, Pencina MJ, Kimokoti RW, Zhu L, Meigs JB, Ordovas JM, **D'Agostino RB**: Nutritional risk and the metabolic syndrome in women: opportunities for preventive intervention from the Framingham Nutrition Study. *Am J Clin Nutr* 2006; 84(2):434-441.

Najarian RM, Sullivan LM, Kannel WB, Wilson PW, **D'Agostino RB**, Wolf PA: Metabolic syndrome compared with type 2 diabetes mellitus as a risk factor for stroke: the Framingham Offspring Study. *Arch Intern Med* 2006; 166(1):106-111.

Nam BH, Kannel WB, **D'Agostino RB**: Search for an optimal atherogenic lipid risk profile: from the Framingham Study. *Am J Cardiol* 2006; 97(3):372-375.

Quatromoni PA, Pencina M, Cobain MR, Jacques PF, **D'Agostino RB**: Dietary quality predicts adult weight gain: findings from the Framingham Offspring Study. *Obesity (Silver Spring)* 2006; 14(8):1383-1391.

Wang TJ, Gona P, Larson MG, Tofler GH, Levy D, Newton-Cheh C, Jacques PF, Rifai N, Selhub J, Robins SJ, Benjamin EJ, **D'Agostino RB**, Vasan RS. Multiple biomarkers for the prediction of first major cardiovascular events and death. *N Engl J Med* 2006 Dec 21;355(25):2631-9.

## 2007

Cobain MR, Pencina MJ, **D'Agostino RB Sr**, Vasan RS. (2007) Lifetime risk for developing dyslipidemia: the Framingham Offspring Study. *Am J Med.* 120(7):623-30.

Cupples LA, Arruda HT, Benjamin EJ, **D'Agostino RB Sr**, Demissie S, DeStefano AL, Dupuis J, Falls KM, Fox CS, Gottlieb DJ, Govindaraju DR, Guo CY, Heard-Costa NL, Hwang SJ, Kathiresan S, Kiel DP, Laramie JM, Larson MG, Levy D, Liu CY, Lunetta KL, Mailman MD, Manning AK, Meigs JB, Murabito JM, Newton-Cheh C, O'Connor GT, O'Donnell CJ, Pandey M, Seshadri S, Vasani RS, Wang ZY, Wilk JB, Wolf PA, Yang Q, Atwood LD. (2007) The Framingham Heart Study 100K SNP genome-wide association study resource: overview of 17 phenotype working group reports. *BMC Med Genet.* 8(Suppl 1):S1.

**D'Agostino RB Jr, D'Agostino RB Sr.** (2007) Estimating treatment effects using observational data. *JAMA.* 297(3):314-6.

Dhingra R, Gona P, Nam BH, **D'Agostino RB Sr**, Wilson PW, Benjamin EJ, O'Donnell CJ. (2007) C-reactive protein, inflammatory conditions, and cardiovascular disease risk. *Am J Med.* 120(12):1054-62.

Dhingra R, Sullivan L, Jacques PF, Wang TJ, Fox CS, Meigs JB, **D'Agostino RB**, Gaziano JM, Vasani RS. (2007) Soft drink consumption and risk of developing cardiometabolic risk factors and the metabolic syndrome in middle-aged adults in the community. *Circulation.* 116(5):480-8.

Dhingra R, Sullivan LM, Fox CS, Wang TJ, **D'Agostino RB Sr**, Gaziano JM, Vasani RS. (2007) Relations of serum phosphorus and calcium levels to the incidence of cardiovascular disease in the community. *Arch Intern Med.* 167(9):879-85.

Djoussé L, Karamohamed S, Herbert AG, **D'Agostino RB**, Cupples LA, Ellison RC. (2007) Fucosyltransferase 3 polymorphism and atherothrombotic disease in the Framingham Offspring Study. *Am Heart J.* 153(4):636-9.

Eaker ED, Sullivan LM, Kelly-Hayes M, **D'Agostino RB Sr**, Benjamin EJ. (2007) Marital status, marital strain, and risk of coronary heart disease or total mortality: the Framingham Offspring Study. *Psychosom Med.* 69(6):509-13.

Elias MF, Sullivan LM, Elias PK, **D'Agostino RB Sr**, Wolf PA, Seshadri S, Au R, Benjamin EJ, Vasani RS. (2007) Left ventricular mass, blood pressure, and lowered cognitive performance in the Framingham offspring. *Hypertension.* 49(3):439-45.

Fox CS, Massaro JM, Hoffmann U, Pou KM, Maurovich-Horvat P, Liu CY, Vasani RS, Murabito JM, Meigs JB, Cupples LA, **D'Agostino RB Sr**, O'Donnell CJ. (2007) Abdominal visceral and subcutaneous adipose tissue compartments: association with metabolic risk factors in the Framingham Heart Study. *Circulation.* 116(1):39-48.

Fox CS, Coady S, Sorlie PD, **D'Agostino RB Sr**, Pencina MJ, Vasani RS, Meigs JB, Levy D, Savage PJ. (2007) Increasing cardiovascular disease burden due to diabetes mellitus: the Framingham Heart Study. *Circulation.* 115(12):1544-50.

Ocular Hypertension Treatment Study Group; European Glaucoma Prevention Study Group, Gordon MO, Torri V, Miglior S, Beiser JA, Floriani I, Miller JP, Gao F, Adamsons I, Poli D, **D'Agostino RB**, Kass MA. (2007) Validated prediction model for the development of primary open-angle glaucoma in individuals with ocular hypertension. *Ophthalmology.* 114(1):10-9.

Ingelsson E, Pencina MJ, Tofler GH, Benjamin EJ, Lanier KJ, Jacques PF, Fox CS, Meigs JB, Levy D, Larson MG, Selhub J, **D'Agostino RB Sr**, Wang TJ, Vasani RS. (2007) Multimarker

approach to evaluate the incidence of the metabolic syndrome and longitudinal changes in metabolic risk factors: the Framingham Offspring Study. *Circulation*. 116(9):984-92.

Ingelsson E, Schaefer EJ, Contois JH, McNamara JR, Sullivan L, Keyes MJ, Pencina MJ, Schoonmaker C, Wilson PW, **D'Agostino RB**, Vasani RS. (2007) Clinical utility of different lipid measures for prediction of coronary heart disease in men and women. *JAMA*. 298(7):776-85.

Ingelsson E, Sullivan LM, Fox CS, Murabito JM, Benjamin EJ, Polak JF, Meigs JB, Keyes MJ, O'Donnell CJ, Wang TJ, **D'Agostino RB**, Wolf PA, Vasani RS. (2007) Burden and prognostic importance of subclinical cardiovascular disease in overweight and obese individuals. *Circulation*. 116(4):375-84.

Ingelsson E, Sullivan LM, Murabito JM, Fox CS, Benjamin EJ, Polak JF, Meigs JB, Keyes MJ, O'Donnell CJ, Wang TJ, **D'Agostino RB Sr**, Wolf PA, Vasani RS. (2007) Prevalence and prognostic impact of subclinical cardiovascular disease in individuals with the metabolic syndrome and diabetes. *Diabetes*. 56(6):1718-26.

Kathiresan S, Manning AK, Demissie S, **D'Agostino RB**, Surti A, Guiducci C, Gianniny L, Burt NP, Melander O, Orho-Melander M, Arnett DK, Peloso GM, Ordovas JM, Cupples LA. (2007) A genome-wide association study for blood lipid phenotypes in the Framingham Heart Study. *BMC Med Genet*. 8(Suppl 1):S17.

Kathiresan S, Larson MG, Keyes MJ, Polak JF, Wolf PA, **D'Agostino RB**, Jaffer FA, Clouse ME, Levy D, Manning WJ, O'Donnell CJ. (2007) Assessment by cardiovascular magnetic resonance, electron beam computed tomography, and carotid ultrasonography of the distribution of subclinical atherosclerosis across Framingham risk strata. *Am J Cardiol*. 99(3):310-4.

Larson MG, Atwood LD, Benjamin EJ, Cupples LA, **D'Agostino RB Sr**, Fox CS, Govindaraju DR, Guo CY, Heard-Costa NL, Hwang SJ, Murabito JM, Newton-Cheh C, O'Donnell CJ, Seshadri S, Vasani RS, Wang TJ, Wolf PA, Levy D. (2007) Framingham Heart Study 100K project: genome-wide associations for cardiovascular disease outcomes. *BMC Med Genet*. 8(Suppl 1):S5.

Lee DS, Massaro JM, Wang TJ, Kannel WB, Benjamin EJ, Kenchaiah S, Levy D, **D'Agostino RB Sr**, Vasani RS. (2007) Antecedent blood pressure, body mass index, and the risk of incident heart failure in later life. *Hypertension*. 50(5):869-76.

Lee DS, Evans JC, Robins SJ, Wilson PW, Albano I, Fox CS, Wang TJ, Benjamin EJ, **D'Agostino RB**, Vasani RS. (2007) Gamma glutamyl transferase and metabolic syndrome, cardiovascular disease, and mortality risk: the Framingham Heart Study. *Arterioscler Thromb Vasc Biol*. 27(1):127-33.

Lunetta KL, **D'Agostino RB Sr**, Karasik D, Benjamin EJ, Guo CY, Govindaraju R, Kiel DP, Kelly-Hayes M, Massaro JM, Pencina MJ, Seshadri S, Murabito JM. (2007) Genetic correlates of longevity and selected age-related phenotypes: a genome-wide association study in the Framingham Study. *BMC Med Genet*. 8(Suppl 1):S13.

Marrugat J, Subirana I, Comín E, Cabezas C, Vila J, Elosua R, Nam BH, Ramos R, Sala J, Solanas P, Cordón F, Gené-Badia J, **D'Agostino RB**; VERIFICA Investigators. (2007) Validity of an adaptation of the Framingham cardiovascular risk function: the VERIFICA Study. *J Epidemiol Community Health*. 61(1):40-7.

Mazzone T, Meyer PM, Kondos GT, Davidson MH, Feinstein SB, **D'Agostino RB Sr**, Perez A,

Haffner SM. (2007) Relationship of traditional and nontraditional cardiovascular risk factors to coronary artery calcium in type 2 diabetes. *Diabetes*. 56(3):849-55.

Meigs JB, Rutter MK, Sullivan LM, Fox CS, **D'Agostino RB Sr**, Wilson PW. (2007) Impact of insulin resistance on risk of type 2 diabetes and cardiovascular disease in people with metabolic syndrome. *Diabetes Care*. 30(5):1219-25.

Mitchell GF, Vasan RS, Keyes MJ, Parise H, Wang TJ, Larson MG, **D'Agostino RB Sr**, Kannel WB, Levy D, Benjamin EJ. (2007) Pulse pressure and risk of new-onset atrial fibrillation. *JAMA*. 297(7):709-15.

Newton-Cheh C, Guo CY, Larson MG, Musone SL, Surti A, Camargo AL, Drake JA, Benjamin EJ, Levy D, **D'Agostino RB Sr**, Hirschhorn JN, O'donnell CJ. (2007) Common genetic variation in KCNH2 is associated with QT interval duration: the Framingham Heart Study. *Circulation*. 116(10):1128-36.

O'Donnell CJ, Cupples LA, **D'Agostino RB**, Fox CS, Hoffmann U, Hwang SJ, Ingelsson E, Liu C, Murabito JM, Polak JF, Wolf PA, Demissie S. (2007) Genome-wide association study for subclinical atherosclerosis in major arterial territories in the NHLBI's Framingham Heart Study. *BMC Med Genet*. 8(Suppl 1):S4.

Parikh NI, Pencina MJ, Wang TJ, Benjamin EJ, Lanier KJ, Levy D, **D'Agostino RB Sr**, Kannel WB, Vasan RS. (2007) A risk score for predicting near-term incidence of hypertension: the Framingham Heart Study. *Ann Intern Med*. 148(2):102-10.

Parikh NI, Pencina MJ, Wang TJ, Lanier KJ, Fox CS, **D'Agostino RB**, Vasan RS. (2007) Increasing trends in incidence of overweight and obesity over 5 decades. *Am J Med*. 120(3):242-50.

Pencina MJ, **D'Agostino RB Sr**, D'Agostino RB Jr, Vasan RS. (2007) Comments on 'Integrated discrimination and net reclassification improvements-Practical advice'. *Stat Med*. 27(2):207-12.

Pencina MJ, Vasan RS, **D'Agostino RB Sr**. (2007) Algorithms for assessing cardiovascular risk in women. *JAMA*. 298(2):175-6.

Pencina MJ, Larson MG, **D'Agostino RB**. (2007) Choice of time scale and its effect on significance of predictors in longitudinal studies. *Stat Med*. 26(6):1343-59.

Pencina MJ, **D'Agostino RB**, Beiser AS, Cobain MR, Vasan RS. (2007) Estimating lifetime risk of developing high serum total cholesterol: adjustment for baseline prevalence and single-occasion measurements. *Am J Epidemiol*. 165(4):464-72.

Seshadri S, DeStefano AL, Au R, Massaro JM, Beiser AS, Kelly-Hayes M, Kase CS, **D'Agostino RB Sr**, Decarli C, Atwood LD, Wolf PA. (2007) Genetic correlates of brain aging on MRI and cognitive test measures: a genome-wide association and linkage analysis in the Framingham Study. *BMC Med Genet*. 8(Suppl 1):S15.

Shea MK, Booth SL, Massaro JM, Jacques PF, **D'Agostino RB Sr**, Dawson-Hughes B, Ordovas JM, O'Donnell CJ, Kathiresan S, Keaney JF Jr, Vasan RS, Benjamin EJ. Vitamin K and Vitamin D Status: Associations with Inflammatory Markers in the Framingham Offspring Study. *Am J Epidemiol*. 2007 Nov 15.

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Splansky GL, Corey D, Yang Q, Atwood LD, Cupples LA, Benjamin EJ, **D'Agostino RB Sr**, Fox CS, Larson MG, Murabito JM, O'Donnell CJ, Vasani RS, Wolf PA, Levy D. (2007) The Third Generation Cohort of the National Heart, Lung, and Blood Institute's Framingham Heart Study: design, recruitment, and initial examination. *Am J Epidemiol.* 165(11):1328-35.

Terry DF, Evans JC, Pencina MJ, Murabito JM, Vasani RS, Wolf PA, Kelly-Hayes M, Levy D, **D'Agostino RB Sr**, Benjamin EJ. (2007) Characteristics of Framingham offspring participants with long-lived parents. *Arch Intern Med.* 167(5):438-44.

Thakore AH, Guo CY, Larson MG, Corey D, Wang TJ, Vasani RS, **D'Agostino RB Sr**, Lipinska I, Keaney JF Jr, Benjamin EJ, O'Donnell CJ. (2007) Association of multiple inflammatory markers with carotid intimal medial thickness and stenosis (from the Framingham Heart Study). *Am J Cardiol.* 99(11):1598-602.

Wilson PW, Meigs JB, Sullivan L, Fox CS, Nathan DM, **D'Agostino RB Sr**. (2007) Prediction of incident diabetes mellitus in middle-aged adults: the Framingham Offspring Study. *Arch Intern Med.* 167(10):1068-74.

## 2008

**D'Agostino RB**, Sr., Vasani RS, Pencina MJ, Wolf PA, Cobain M, Massaro JM, Kannel WB: General cardiovascular risk profile for use in primary care: the Framingham Heart Study. *Circulation* 2008; 117(6):743-753 PM:18212285.

Dhingra R, Gona P, Nam BH, **D'Agostino RB**, Sr., Wilson PW, Benjamin EJ, O'Donnell CJ: C-reactive protein, inflammatory conditions, and cardiovascular disease risk. *Am J Med* 2008; 120(12):1054-1062 PM:18060926.

Fox CS, Pencina MJ, Wilson PW, Paynter NP, Vasani RS, **D'Agostino RB**, Sr.: Lifetime risk of cardiovascular disease among individuals with and without diabetes stratified by obesity status in the Framingham Heart Study. *Diabetes Care* 2008; 31(8):1582-1584 PM:18458146.

Fox CS, Pencina MJ, **D'Agostino RB**, Murabito JM, Seely EW, Pearce EN, Vasani RS. Relations of Thyroid Function to Body Weight: Cross-sectional and Longitudinal Observations in a Community-Based Sample. *Arch Intern Med.* 2008; 168(6): 587-592.

Freiberg MS, Pencina MJ, **D'Agostino RB**, Lanier K, Wilson PW, Vasani RS: BMI vs. waist circumference for identifying vascular risk. *Obesity (Silver Spring)* 2008; 16(2):463-469 PM:18239660.

Levitzky YS, Pencina MJ, **D'Agostino RB**, Meigs JB, Murabito JM, Vasani RS, Fox CS. (2008) Impact of impaired fasting glucose on cardiovascular disease: the Framingham Heart Study. *J Am Coll Cardiol.* 251(3):264-70.

Hamburg NM, Keyes MJ, Larson MG, Vasani RS, Schnabel R, Pryde MM, Mitchell GF, Hivert MF, Sullivan LM, Fox CS, Nathan DM, **D'Agostino RB**, Sr., Wilson PW, Meigs JB: Associations of adiponectin, resistin, and tumor necrosis factor-alpha with insulin resistance. *J Clin Endocrinol Metab* 2008; 93(8):3165-3172 PM:18492747.

Kalmbach RD, Choumenkovitch SF, Troen AM, **D'Agostino R**, Jacques PF, Selhub J: Circulating folic acid in plasma: relation to folic acid fortification. *Am J Clin Nutr* 2008; 88(3):763-768 PM:18779294.

Loomba R, Hwang SJ, O'Donnell CJ, Ellison RC, Vasani RS, **D'Agostino RB**, Sr., Liang TJ, Fox CS: Parental obesity and offspring serum alanine and aspartate aminotransferase levels: the Framingham Heart Study. *Gastroenterology* 2008; 134(4):953-959 PM:18395076.

May M, Sterne JA, Shipley M, Brunner E, **D'Agostino R**, Whincup P, Ben-Shlomo Y, Carr A, Ledergerber B, Lundgren JD, Phillips AN, Massaro J, Egger M: A coronary heart disease risk

Ralph B. D'Agostino

RESUME February 10, 2013

model for predicting the effect of potent antiretroviral therapy in HIV-1 infected men. *Int J Epidemiol* 2008; 36(6):1309-1318 PM:17652317.

McCarthy EP, Pencina MJ, Kelly-Hayes M, Evans JC, Oberacker EJ, **D'Agostino RB, Sr.**, Burns RB, Murabito JM: Advance care planning and health care preferences of community-dwelling elders: the Framingham Heart Study. *J Gerontol A Biol Sci Med Sci* 2008; 63(9):951-959 PM:18840800.

Molenaar EA, Hwang SJ, Vasani RS, Grobbee DE, Meigs JB, **D'Agostino RB, Sr.**, Levy D, Fox CS: Burden and rates of treatment and control of cardiovascular disease risk factors in obesity: the Framingham Heart Study. *Diabetes Care* 2008; 31(7):1367-1372 PM:18375414.

Murabito JM, Pencina MJ, Zhu L, Kelly-Hayes M, Shrader P, **D'Agostino RB, Sr.**: Temporal trends in self-reported functional limitations and physical disability among the community-dwelling elderly population: the Framingham Heart Study. *Am J Public Health* 2008; 98(7):1256-1262 PM:18511716.

O'Donnell CJ, Demissie S, Kimura M, Levy D, Gardner JP, White C, **D'Agostino RB**, Wolf PA, Polak J, Cupples LA, Aviv A: Leukocyte telomere length and carotid artery intimal medial thickness: the Framingham Heart Study. *Arterioscler Thromb Vasc Biol* 2008; 28(6):1165-1171 PM:18388332.

Pani LN, Korenda L, Meigs JB, Driver C, Chamany S, Fox CS, Sullivan L, **D'Agostino RB**, Nathan DM: Effect of aging on A1C levels in individuals without diabetes: evidence from the Framingham Offspring Study and the National Health and Nutrition Examination Survey 2001-2004. *Diabetes Care* 2008; 31(10):1991-1996 PM:18628569.

Parikh NI, Pencina MJ, Wang TJ, Benjamin EJ, Lanier KJ, Levy D, **D'Agostino RB, Sr.**, Kannel WB, Vasani RS: A risk score for predicting near-term incidence of hypertension: the Framingham Heart Study. *Ann Intern Med* 2008; 148(2):102-110 PM:18195335.

Pencina MJ, **D'Agostino RB, Sr.**, D'Agostino RB, Jr., Vasani RS: Evaluating the added predictive ability of a new marker: from area under the ROC curve to reclassification and beyond. *Stat Med* 2008; 27(2):157-172 PM:17569110.

Pencina MJ, Millen BE, Hayes LJ, **D'Agostino RB**: Performance of a method for identifying the unique dietary patterns of adult women and men: the Framingham nutrition studies. *J Am Diet Assoc* 2008; 108(9):1453-1460 PM:18755317.

Rutter MK, Wilson PW, Sullivan LM, Fox CS, **D'Agostino RB, Sr.**, Meigs JB: Use of alternative thresholds defining insulin resistance to predict incident type 2 diabetes mellitus and cardiovascular disease. *Circulation* 2008; 117(8):1003-1009 PM:18250267.

Seshadri S, Wolf PA, Beiser AS, Selhub J, Au R, Jacques PF, Yoshita M, Rosenberg IH, **D'Agostino RB**, DeCarli C: Association of plasma total homocysteine levels with subclinical brain injury: cerebral volumes, white matter hyperintensity, and silent brain infarcts at volumetric magnetic resonance imaging in the Framingham Offspring Study. *Arch Neurol* 2008; 65(5):642-649 PM:18474741.

Shea MK, Booth SL, Massaro JM, Jacques PF, **D'Agostino RB, Sr.**, (Da)wson-Hughes B, Ordovas JM, O'Donnell CJ, Kathiresan S, Keaney JF, Jr., Vasani RS, Benjamin EJ: Vitamin K and vitamin D status: associations with inflammatory markers in the Framingham Offspring Study. *Am J Epidemiol* 2008; 167(3):313-320 PM:18006902.

Wang TJ, Pencina MJ, Booth SL, Jacques PF, Ingelsson E, Lanier K, Benjamin EJ, **D'Agostino RB**, Wolf M, Vasani RS: Vitamin D deficiency and risk of cardiovascular disease. *Circulation* 2008; 117(4):503-511 PM:18180395.

Das RR, Seshadri S, Beiser AS, Kelly-Hayes M, Au R, Himali JJ, Kase, CS, Benjamin EJ, Polak JF, O'Donnell CJ, Yoshita M, **D'Agostino RB**, DeCarli C, Wolf PA. Prevalence and correlates of silent cerebral infarcts in the Framington Offspring Study. *Stroke*. 2008;39:2929 –2935.

Murabito JM, Keyes MJ, Guo CY, Keaney JF, Jr., Vasani RS, **D'Agostino RB, Sr.**, Benjamin EJ: Cross-sectional relations of multiple inflammatory biomarkers to peripheral arterial disease: The Framingham Offspring Study. *Atherosclerosis* 2008 Jul 9. [Epub ahead of print] PMID: 18701106

Shea MK, Benjamin EJ, Dupuis J, Massaro JM, Jacques PF, **D'Agostino RB**, Sr., Ordovas JM, O'Donnell CJ, (Da)wson-Hughes B, Vasani RS, Booth SL: Genetic and non-genetic correlates of vitamins K and D. *Eur J Clin Nutr* 2007 Nov 21. [Epub ahead of print] PMID: 18030310

Goto S, Bhatt DL, Röther J, Alberts M, Hill MD, Ikeda Y, Uchiyama S, **D'Agostino R**, Ohman EM, Liao CS, Hirsch AT, Mas JL, Wilson PW, Corbalán R, Aichner F, Steg PG; REACH Registry Investigators. Prevalence, clinical profile, and cardiovascular outcomes of atrial fibrillation patients with atherothrombosis. *Am Heart J*. 2008 Nov;156(5):855-63, 863.e2. Epub 2008 Sep 23.

**D'Agostino RB**, Farewell V, Greenhouse JB, Whitehead J. Updating our aims and scope for the future. *Stat Med*. 2009 Jan 15;28(1):1-2.

Frankel DS, Meigs JB, Massaro JM, Wilson PW, O'Donnell CJ, **D'Agostino RB**, Tofler GH. Von Willebrand factor, type 2 diabetes mellitus, and risk of cardiovascular disease: the framingham offspring study. *Circulation*. 2008 Dec 9;118(24):2533-9. Epub 2008 Nov 24.

Kalmbach RD, Choumenkovitch SF, Troen AP, Jacques PF, **D'Agostino R**, Selhub J. A 19-base pair deletion polymorphism in dihydrofolate reductase is associated with increased unmetabolized folic acid in plasma and decreased red blood cell folate. *J. Nutr*. 2008 Dec;138(12):2323-7.

Genotype score in addition to common risk factors for prediction of type 2 diabetes. Meigs JB, Shrader P, Sullivan LM, McAteer JB, Fox CS, Dupuis J, Manning AK, Florez JC, Wilson PW, **D'Agostino RB** Sr, Cupples LA. *N Engl J Med*. 2008 Nov 20;359(21):2208-19. Erratum in: *N Engl J Med*. 2009 Feb 5;360(6):648.

Goessling W, Massaro JM, Vasani RS, **D'Agostino RB** Sr, Ellison RC, Fox CS. Aminotransferase levels and 20-year risk of metabolic syndrome, diabetes, and cardiovascular disease. *Gastroenterology*. 2008 Dec;135(6):1935-44, 1944.e1. Epub 2008 Sep 20.

Govindaraju, DR, Cupples, LA, Kannel, WB, O'Donnell, CJ, Atwood, LD, **D'Agostino, RB Sr**, Fox, CS, Larson, M, Levy, D, Murabito, J, Vasani, RS, Splansky, GL, Wolf, PA & Benjamin, EJ (2008) Genetics of the Framingham Heart Study population. *Adv Genet* 62, 33–65.

Velagaleti RS, Pencina MJ, Murabito JM, Wang TJ, Parikh NI, **D'Agostino RB**, Levy D, Kannel WB, Vasani RS. Long-term trends in the incidence of heart failure after myocardial infarction. *Circulation*. 2008 Nov 11;118(20):2057-62. Epub 2008 Oct 27.

Velagaleti RS, Pencina MJ, Murabito JM, Wang TJ, Parikh NI, **D'Agostino RB**, Levy D, Kannel WB, Vasani RS. Long-term trends in the incidence of heart failure after myocardial infarction. *Circulation*. 2008 Nov 11;118(20):2057-62. Epub 2008 Oct 27.

Drazen JM, **D'Agostino RB**, Ware JH, Morrissey S, Curfman GD. Ezetimibe and cancer--an uncertain association. *N Engl J Med*. 2008 Sep 25;359(13):1398-9. Epub 2008 Sep 2.

Schambelan M, Wilson PW, Yarasheski KE, Cade WT, Dávila-Román VG, **D'Agostino RB** Sr, Helms TA, Law M, Mondy KE, Nachman S, Peterson LR, Worm SW; Working Group 5. Development of appropriate coronary heart disease risk prediction models in HIV-infected patients. *Circulation*. 2008 Jul 8;118(2):e48-53. Epub 2008 Jun 19.

Pencina MJ, **D'Agostino RB**. Evaluation of the Framingham risk score in the European Prospective Investigation of Cancer-Norfolk cohort--invited commentary. *Arch Intern Med*. 2008 Jun 9;168(11):1216-8.

Moya F, Sinha S, **D'Agostino RB** Sr. Surfactant-replacement therapy for respiratory distress syndrome in the preterm and term neonate: congratulations and corrections. *Pediatrics*. 2008 Jun;121(6):1290-1

Cooper CJ, Haller ST, Colyer W, Steffes M, Burket MW, Thomas WJ, Safian R, Reddy B, Brewster P, Ankenbrandt MA, Virmani R, Dippel E, Rocha-Singh K, Murphy TP, Kennedy DJ, Shapiro JI, **D'Agostino RD**, Pencina MJ, Khuder S. Embolic protection and platelet inhibition during renal artery stenting. *Circulation*. 2008 May 27;117(21):2752-60.

Sam S, Haffner S, Davidson MH, **D'Agostino RB** Sr, Feinstein S, Kondos G, Perez A, Mazzone T. Relationship of abdominal visceral and subcutaneous adipose tissue with lipoprotein particle



number and size in type 2 diabetes. *Diabetes*. 2008 Aug;57(8):2022-7.

Davidson M, Meyer PM, Haffner S, Feinstein S, **D'Agostino R Sr**, Kondos GT, Perez A, Chen Z, Mazzone T. Increased high-density lipoprotein cholesterol predicts the pioglitazone-mediated reduction of carotid intima-media thickness progression in patients with type 2 diabetes mellitus. *Circulation*. 2008 Apr 22;117(16):2123-30.

Röther J, Alberts MJ, Touzé E, Mas JL, Hill MD, Michel P, Bhatt DL, Aichner FT, Goto S, Matsumoto M, Ohman EM, Okada Y, Uchiyama S, **D'Agostino R**, Hirsch AT, Wilson PW, Steg PG; REACH Registry Investigators. Risk factor profile and management of cerebrovascular patients in the REACH Registry. *Cerebrovasc Dis*. 2008;25(4):366-74.

**D'Agostino RB**. Beyond baseline data: the use of time-varying covariates. *J Hypertens*. 2008 Apr;26(4):639-40.

Strom BL, Faich GA, Reynolds RF, Eng SM, **D'Agostino RB**, Ruskin JN, Kane JM. The Ziprasidone Pbservational Study of Cardiac Outcomes (ZODIAC): design and baseline subject characteristics. *J Clin Psychiatry*. 2008 Jan;69(1):114-21.

## 2009

Benjamin EJ, Rice KM, Arking DE, Pfeufer A, van Noord C, Smith AV, Schnabel RB, Bis JC, Boerwinkle E, Sinner MF, Dehghan A, Lubitz SA, **D'Agostino RB Sr**, Lumley T, Ehret GB, Heeringa J, Aspelund T, Newton-Cheh C, Larson MG, Marciante KD, Soliman EZ, Rivadeneira F, Wang TJ, Eiriksdottir G, Levy D, Psaty BM, Li M, Chamberlain AM, Hofman A, Vasan RS, Harris TB, Rotter JI, Kao WH, Agarwal SK, Stricker BH, Wang K, Launer LJ, Smith NL, Chakravarti A, Uitterlinden AG, Wolf PA, Sotoodehnia N, Köttgen A, van Duijn CM, Meitinger T, Mueller M, Perz S, Steinbeck G, Wichmann HE, Lunetta KL, Heckbert SR, Gudnason V, Alonso A, Kääb S, Ellinor PT, Witteman JC. 2009. Variants in ZFX3 are associated with atrial fibrillation in individuals of european ancestry. *Nat Genet* 41(8):879-81.

**D'Agostino RB Sr**. 2009. The delayed-start study design. *N Engl J Med* 361(13):1304-6.

**D'Agostino RB**, Farewell V, Greenhouse JB, Whitehead J. 2009. Updating our aims and scope for the future. *Stat Med* 28(1):1-2.

Dietrich M, Jacques PF, Pencina MJ, Lanier K, Keyes MJ, Kaur G, Wolf PA, **D'Agostino RB**, Vasan RS. 2009. Vitamin E supplement use and the incidence of cardiovascular disease and all-cause mortality in the framingham heart study: Does the underlying health status play a role? *Atherosclerosis* 205(2):549-53.

Fernandez AB, Keyes MJ, Pencina M, **D'Agostino R**, O'Donnell CJ, Thompson PD. 2009. Relation of corneal arcus to cardiovascular disease (from the framingham heart study data set). *Am J Cardiol* 103(1):64-6.

Fox CS, Gona P, Hoffmann U, Porter SA, Salton CJ, Massaro JM, Levy D, Larson MG, **D'Agostino RB Sr**, O'Donnell CJ, Manning WJ. 2009. Pericardial fat, intrathoracic fat, and measures of left ventricular structure and function: The framingham heart study. *Circulation* 119(12):1586-91.

Franco OH, Massaro JM, Civil J, Cobain MR, O'Malley B, **D'Agostino RB Sr**. 2009. Trajectories of entering the metabolic syndrome: The framingham heart study. *Circulation* 120(20):1943-50.

Frankel DS, Vasan RS, **D'Agostino RB Sr**, Benjamin EJ, Levy D, Wang TJ, Meigs JB. 2009. Resistin, adiponectin, and risk of heart failure the framingham offspring study. *J Am Coll Cardiol* 53(9):754-62.

Hivert MF, Sullivan LM, Shrader P, Fox CS, Nathan DM, **D'Agostino RB Sr**, Wilson PW, Benjamin EJ, Meigs JB. 2009. The association of tumor necrosis factor alpha receptor 2 and tumor necrosis factor alpha with insulin resistance and the influence of adipose tissue biomarkers in humans. *Metabolism* .

Howard G, Cushman M, Prineas RJ, Howard VJ, Moy CS, Sullivan LM, **D'Agostino RB Sr**, McClure LA, Pulley L, Safford MM. 2009. Advancing the hypothesis that geographic variations in risk factors contribute relatively little to observed geographic variations in heart disease and stroke mortality. *Prev Med* 49(2-3):129-32.

Ingelsson E, Massaro JM, Sutherland P, Jacques PF, Levy D, **D'Agostino RB**, Vasani RS, Robins SJ. 2009. Contemporary trends in dyslipidemia in the framingham heart study. *Arch Intern Med* 169(3):279-86.

Joseph J, Pencina MJ, Wang TJ, Hayes L, Tofler GH, Jacques P, Selhub J, Levy D, **D'Agostino RB Sr**, Benjamin EJ, Vasani RS. 2009. Cross-sectional relations of multiple biomarkers representing distinct biological pathways to plasma markers of collagen metabolism in the community. *J Hypertens* 27(6):1317-24.

Lieb W, Pencina MJ, Lanier KJ, Tofler GH, Levy D, Fox CS, Wang TJ, **D'Agostino RB Sr**, Vasani RS. 2009. Association of parental obesity with concentrations of select systemic biomarkers in nonobese offspring: The framingham heart study. *Diabetes* 58(1):134-7.

Liu E, McKeown NM, Newby PK, Meigs JB, Vasani RS, Quattromoni PA, **D'Agostino RB**, Jacques PF. 2009. Cross-sectional association of dietary patterns with insulin-resistant phenotypes among adults without diabetes in the framingham offspring study. *Br J Nutr* 102(4):576-83.

Matthan NR, Pencina M, LaRocque JM, Jacques PF, **D'Agostino RB**, Schaefer EJ, Lichtenstein AH. 2009. Alterations in cholesterol absorption/synthesis markers characterize framingham offspring study participants with CHD. *J Lipid Res* 50(9):1927-35.

Murabito JM, Keyes MJ, Guo CY, Keaney JF, Jr, Vasani RS, **D'Agostino RB Sr**, Benjamin EJ. 2009. Cross-sectional relations of multiple inflammatory biomarkers to peripheral arterial disease: The framingham offspring study. *Atherosclerosis* 203(2):509-14.

Pencina MJ, **D'Agostino RB Sr**, Larson MG, Massaro JM, Vasani RS. 2009. Predicting the 30-year risk of cardiovascular disease: The framingham heart study. *Circulation* 119(24):3078-84.

Preis SR, Pencina MJ, Hwang SJ, **D'Agostino RB Sr**, Savage PJ, Levy D, Fox CS. 2009a. Trends in cardiovascular disease risk factors in individuals with and without diabetes mellitus in the framingham heart study. *Circulation* 120(3):212-20.

Preis SR, Hwang SJ, Coady S, Pencina MJ, **D'Agostino RB Sr**, Savage PJ, Levy D, Fox CS. 2009b. Trends in all-cause and cardiovascular disease mortality among women and men with and without diabetes mellitus in the framingham heart study, 1950 to 2005. *Circulation* 119(13):1728-35.

Sam S, Haffner S, Davidson MH, **D'Agostino RB Sr**, Feinstein S, Kondos G, Perez A, Mazzone T. 2009a. Hypertriglyceridemic waist phenotype predicts increased visceral fat in subjects with type 2 diabetes. *Diabetes Care* 32(10):1916-20.

Sam S, Haffner S, Davidson MH, **D'Agostino RB Sr**, Feinstein S, Kondos G, Perez A, Mazzone T. 2009b. Relation of abdominal fat depots to systemic markers of inflammation in type 2 diabetes. *Diabetes Care* 32(5):932-7.

Schnabel RB, Sullivan LM, Levy D, Pencina MJ, Massaro JM, **D'Agostino RB Sr**, Newton-Cheh C, Yamamoto JF, Magnani JW, Tadros TM, Kannel WB, Wang TJ, Ellinor PT, Wolf PA, Vasani RS, Benjamin EJ. 2009. Development of a risk score for atrial fibrillation (Framingham Heart Study): A community-based cohort study. *Lancet* 373(9665):739-45.

Schnabel RB, Sullivan LM, Levy D, Pencina MJ, Massaro JM, **D'Agostino RB Sr**, Newton-Cheh C, Yamamoto JF, Magnani JW, Tadros TM, Kannel WB, Wang TJ, Ellinor PT, Wolf PA, Vasani RS, Benjamin EJ. 2009. Genetic and non-genetic correlates of vitamins K and D. *Eur J Clin Nutr* 63(4):458-64.

Vasani RS, Pencina MJ, Robins SJ, Zachariah JP, Kaur G, **D'Agostino RB**, Ordovas JM. 2009. Association of circulating cholesteryl ester transfer protein activity with incidence of cardiovascular disease in the community. *Circulation* 120(24):2414-20.

Wolongevicz DM, Zhu L, Pencina MJ, Kimokoti RW, Newby PK, **D'Agostino RB**, Millen BE. 2009. Diet quality and obesity in women: The Framingham Nutrition Studies. *Br J Nutr* :1-7.

## 2010

Polak JF, Pencina MJ, Meisner A, Pencina KM, Brown LS, Wolf PA, **D'Agostino RB Sr**. [Associations of carotid artery intima-media thickness \(IMT\) with risk factors and prevalent cardiovascular disease: comparison of mean common carotid artery IMT with maximum internal carotid artery IMT.](#) *J Ultrasound Med*. 2010 Dec;29(12):1759-68.

Pencina MJ, **D'Agostino RB**, Vasani RS. [Statistical methods for assessment of added usefulness of new biomarkers.](#) *Clin Chem Lab Med*. 2010 Dec;48(12):1703-11.

Schnabel RB, Aspelund T, Li G, Sullivan LM, Suchy-Dickey A, Harris TB, Pencina MJ, **D'Agostino RB Sr**, Levy D, Kannel WB, Wang TJ, Kronmal RA, Wolf PA, Burke GL, Launer LJ, Vasani RS, Psaty BM, Benjamin EJ, Gudnason V, Heckbert SR. [Validation of an atrial fibrillation risk algorithm in whites and African Americans.](#) *Arch Intern Med*. 2010 Nov 22;170(21):1909-17.

Preis SR, Massaro JM, Robins SJ, Hoffmann U, Vasani RS, Irlbeck T, Meigs JB, Sutherland P, **D'Agostino RB Sr**, O'Donnell CJ, Fox CS. [Abdominal subcutaneous and visceral adipose tissue and insulin resistance in the Framingham Heart Study.](#) *Obesity (Silver Spring)*. 2010 Nov;18(11):2191-8.

Bhatt DL, Eagle KA, Ohman EM, Hirsch AT, Goto S, Mahoney EM, Wilson PW, Alberts MJ, **D'Agostino R**, Liau CS, Mas JL, Röther J, Smith SC Jr, Salette G, Contant CF, Massaro JM, Steg PG; REACH Registry Investigators. [Comparative determinants of 4-year cardiovascular event rates in stable outpatients at risk of or with atherothrombosis.](#) *JAMA*. 2010 Sep 22;304(12):1350-7.

Goyal A, Bhatt DL, Steg PG, Gersh BJ, Alberts MJ, Ohman EM, Corbalán R, Eagle KA, Gaxiola E, Gao R, Goto S, **D'Agostino RB**, Califf RM, Smith SC Jr, Wilson PW; Reduction of Atherothrombosis for Continued Health (REACH) Registry Investigators. [Attained educational level and incident atherothrombotic events in low- and middle-income compared with high-income countries](#). *Circulation*. 2010 Sep 21;122(12):1167-75.

Boden WE, Cherr GS, Eagle KA, Cannon CP, Califf RM, Hirsch AT, Alberts MJ, Criqui M, Creager MA, Massaro JM, **D'Agostino RB Sr**, Steg PG, Bhatt DL; REACH Registry Investigators. [Prior cardiovascular interventions are not associated with worsened clinical outcomes in patients with symptomatic atherothrombosis](#). *Crit Pathw Cardiol*. 2010 Sep;9(3):116-25.

Wolongevicz DM, Zhu L, Pencina MJ, Kimokoti RW, Newby PK, **D'Agostino RB**, Millen BE. [An obesity dietary quality index predicts abdominal obesity in women: potential opportunity for new prevention and treatment paradigms](#). *J Obes*. 2010;2010. pii: 945987.

Davidson MH, Beam CA, Haffner S, Perez A, **D'Agostino R Sr**, Mazzone T. [Pioglitazone versus glimepiride on coronary artery calcium progression in patients with type 2 diabetes mellitus: a secondary end point of the CHICAGO study](#). *Arterioscler Thromb Vasc Biol*. 2010 Sep;30(9): 1873-6.

Dhingra R, Gona P, Wang TJ, Fox CS, **D'Agostino RB Sr**, Vasani RS. [Serum gamma-glutamyl transferase and risk of heart failure in the community](#). *Arterioscler Thromb Vasc Biol*. 2010 Sep;30(9):1855-60.

Dhingra R, Gona P, Benjamin EJ, Wang TJ, Aragam J, **D'Agostino RB Sr**, Kannel WB, Vasani RS. [Relations of serum phosphorus levels to echocardiographic left ventricular mass and incidence of heart failure in the community](#). *Eur J Heart Fail*. 2010 Aug;12(8):812-8.

Preis SR, Massaro JM, Hoffmann U, **D'Agostino RB Sr**, Levy D, Robins SJ, Meigs JB, Vasani RS, O'Donnell CJ, Fox CS. [Neck circumference as a novel measure of cardiometabolic risk: the Framingham Heart study](#). *J Clin Endocrinol Metab*. 2010 Aug;95(8):3701-10.

Cooney MT, Dudina A, **D'Agostino R**, Graham IM. [Cardiovascular risk-estimation systems in primary prevention: do they differ? Do they make a difference? Can we see the future?](#) *Circulation*. 2010 Jul 20;122(3):300-10.

Kimokoti RW; Newby PK; Gona P; Zhu L; Jasuja GK; Pencina MJ; McKeon-O'Malley C; Fox CS; **D'Agostino RB**; Millen BE [Diet quality, physical activity, smoking status, and weight fluctuation are associated with weight change in women and men](#). *The Journal of nutrition* 2010; 140(7):1287-93.

Krasnoff JB; Basaria S; Pencina MJ; Jasuja GK; Vasani RS; Ulloor J; Zhang A; Coviello A; Kelly-Hayes M; **D'Agostino RB**; Wolf PA; Bhasin S; Murabito JM. [Free testosterone levels are associated with mobility limitation and physical performance in community-dwelling men: the Framingham Offspring Study](#). *The Journal of clinical endocrinology and metabolism* 2010;

Levy D, Splansky GL, Strand NK, Atwood LD, Benjamin EJ, Blease S, Cupples LA, **D'Agostino RB Sr**, Fox CS, Kelly-Hayes M, Koski G, Larson MG, Mutalik KM, Oberacker E, O'Donnell CJ, Sutherland P, Valentino M, Vasani RS, Wolf PA, Murabito JM. [Consent for genetic research in the Framingham Heart Study](#). Am J Med Genet A. 2010 May;152A(5):1250-6.

Lovely RS, Kazmierczak SC, Massaro JM, **D'Agostino RB Sr**, O'Donnell CJ, Farrell DH. [Gamma' fibrinogen: evaluation of a new assay for study of associations with cardiovascular disease](#). Clin Chem. 2010 May;56(5):781-8.

Ducrocq G; Wallace JS; Baron G; Ravaud P; Alberts MJ; Wilson PW; Ohman EM; Brennan DM; **D'Agostino RB**; Bhatt DL; Steg PG. [Risk score to predict serious bleeding in stable outpatients with or at risk of atherothrombosis](#). European heart journal 2010;31(10):1257-65.

Wolongevicz DM; Zhu L; Pencina MJ; Kimokoti RW; Newby PK; **D'Agostino RB**; Millen BE. [Diet quality and obesity in women: the Framingham Nutrition Studies](#). The British journal of nutrition 2010;103(8):1223-9.

Hivert MF; Sullivan LM; Shrader P; Fox CS; Nathan DM; **D'Agostino RB**; Wilson PW; Benjamin EJ; Meigs JB. [The association of tumor necrosis factor alpha receptor 2 and tumor necrosis factor alpha with insulin resistance and the influence of adipose tissue biomarkers in humans](#). Metabolism: clinical and experimental 2010;59(4):540-6.

Newman AB, Walter S, Lunetta KL, Garcia ME, Slagboom PE, Christensen K, Arnold AM, Aspelund T, Aulchenko YS, Benjamin EJ, Christiansen L, **D'Agostino RB Sr**, Fitzpatrick AL, Franceschini N, Glazer NL, Gudnason V, Hofman A, Kaplan R, Karasik D, Kelly-Hayes M, Kiel DP, Launer LJ, Marcianti KD, Massaro JM, Miljkovic I, Nalls MA, Hernandez D, Psaty BM, Rivadeneira F, Rotter J, Seshadri S, Smith AV, Taylor KD, Tiemeier H, Uh HW, Uitterlinden AG, Vaupel JW, Walston J, Westendorp RG, Harris TB, Lumley T, van Duijn CM, Murabito JM. [A meta-analysis of four genome-wide association studies of survival to age 90 years or older: the Cohorts for Heart and Aging Research in Genomic Epidemiology Consortium](#). J Gerontol A Biol Sci Med Sci. 2010 May;65(5):478-87.

Sofat R, Hingorani AD, Smeeth L, Humphries SE, Talmud PJ, Cooper J, Shah T, Sandhu MS, Ricketts SL, Boekholdt SM, Wareham N, Khaw KT, Kumari M, Kivimaki M, Marmot M, Asselbergs FW, van der Harst P, Dullaart RP, Navis G, van Veldhuisen DJ, Van Gilst WH, Thompson JF, McCaskie P, Palmer LJ, Arca M, Quagliarini F, Gaudio C, Cambien F, Nicaud V, Poirer O, Gudnason V, Isaacs A, Witteman JC, van Duijn CM, Pencina M, Vasani RS, **D'Agostino RB Sr**, Ordovas J, Li TY, Kakko S, Kauma H, Savolainen MJ, Kesäniemi YA, Sandhofer A, Paulweber B, Sorli JV, Goto A, Yokoyama S, Okumura K, Horne BD, Packard C, Freeman D, Ford I, Sattar N, McCormack V, Lawlor DA, Ebrahim S, Smith GD, Kastelein JJ, Deanfield J, Casas JP. [Separating the mechanism-based and off-target actions of cholesteryl ester transfer protein inhibitors with CETP gene polymorphisms](#). Circulation. 2010 Jan 5;121(1):52-62.

**2011**

Bhasin S, Jasjua GK, Pencina M, **D'Agostino R Sr**, Coviello AD, Vasani RS, Travison TG. [Sex hormone-binding globulin, but not testosterone, is associated prospectively and independently with incident metabolic syndrome in men: the framingham heart study.](#) Diabetes Care. 2011 Nov;34(11):2464-70.

Polak JF, Pencina MJ, O'Leary DH, **D'Agostino RB**. [Common carotid artery intima-media thickness progression as a predictor of stroke in multi-ethnic study of atherosclerosis.](#) Stroke. 2011 Nov;42(11):3017-21.

Rocha-Singh KJ, Novack V, Pencina M, **D'Agostino R**, Ansel G, Rosenfield K, Jaff MR. [Objective performance goals of safety and blood pressure efficacy for clinical trials of renal artery bare metal stents in hypertensive patients with atherosclerotic renal artery stenosis.](#) Catheter Cardiovasc Interv. 2011 Nov 1;78(5):779-89.

Bis JC, Kavousi M, Franceschini N, Isaacs A, Abecasis GR, Schminke U, Post WS, Smith AV, Cupples LA, Markus HS, Schmidt R, Huffman JE, Lehtimäki T, Baumert J, Münzel T, Heckbert SR, Dehghan A, North K, Oostra B, Bevan S, Stoegerer EM, Hayward C, Raitakari O, Meisinger C, Schillert A, Sanna S, Völzke H, Cheng YC, Thorsson B, Fox CS, Rice K, Rivadeneira F, Nambi V, Halperin E, Petrovic KE, Peltonen L, Wichmann HE, Schnabel RB, Dörr M, Parsa A, Aspelund T, Demissie S, Kathiresan S, Reilly MP, Taylor K, Uitterlinden A, Couper DJ, Sitzer M, Kähönen M, Illig T, Wild PS, Orru M, Lüdemann J, Shuldiner AR, Eiriksdottir G, White CC, Rotter JJ, Hofman A, Seissler J, Zeller T, Usala G, Ernst F, Launer LJ, **D'Agostino RB Sr**, O'Leary DH, Ballantyne C, Thiery J, Ziegler A, Lakatta EG, Chilukoti RK, Harris TB, Wolf PA, Psaty BM, Polak JF, Li X, Rathmann W, Uda M, Boerwinkle E, Klopp N, Schmidt H, Wilson JF, Viikari J, Koenig W, Blankenberg S, Newman AB, Witteman J, Heiss G, Duijn C, Scuteri A, Homuth G, Mitchell BD, Gudnason V, O'Donnell CJ; CARDIoGRAM Consortium. [Meta-analysis of genome-wide association studies from the CHARGE consortium identifies common variants associated with carotid intima media thickness and plaque.](#) Nat Genet. 2011 Sep 11;43(10):940-7.

Lovely RS, Yang Q, Massaro JM, Wang J, **D'Agostino RB Sr**, O'Donnell CJ, Shannon J, Farrell DH. [Assessment of genetic determinants of the association of  \$\gamma\$ ' fibrinogen in relation to cardiovascular disease.](#) Arterioscler Thromb Vasc Biol. 2011 Oct;31(10):2345-52.

Kimokoti RW, Newby PK, Gona P, Zhu L, Campbell WR, **D'Agostino RB**, Millen BE. [Stability of the Framingham Nutritional Risk Score and its component nutrients over 8 years: the Framingham Nutrition Studies.](#) Eur J Clin Nutr. 2011 Oct 5.

Govindarajulu US, Lin H, Lunetta KL, **D'Agostino RB Sr**. [Frailty models: Applications to biomedical and genetic studies.](#) Stat Med. 2011 Sep 30;30(22):2754-64.

Ralph B. D'Agostino

RESUME February 10, 2013

Bhasin S, Pencina M, Jasuja GK, Travison TG, Coviello A, Orwoll E, Wang PY, Nielson C, Wu F, Tajar A, Labrie F, Vesper H, Zhang A, Ulloor J, Singh R, **D'Agostino R**, Vasani RS.

Reference ranges for testosterone in men generated using liquid chromatography tandem mass spectrometry in a community-based sample of healthy nonobese young men in the Framingham Heart Study and applied to three geographically distinct cohorts. *J Clin Endocrinol Metab.* 2011 Aug;96(8):2430-9.

Polak JF, Pencina MJ, Pencina KM, O'Donnell CJ, Wolf PA, **D'Agostino RB Sr.** Carotid-wall intima-media thickness and cardiovascular events. *N Engl J Med.* 2011 Jul 21;365(3):213-21.

**D'Agostino RB Sr.** Changing end points in breast-cancer drug approval--the Avastin story. *N Engl J Med.* 2011 Jul 14;365(2):e2.

Murphy TP, Dhangana R, Pencina MJ, Zafar AM, **D'Agostino RB.** Performance of current guidelines for coronary heart disease prevention: optimal use of the Framingham-based risk assessment. *Atherosclerosis.* 2011 Jun;216(2):452-7.

Uno H, Cai T, Pencina MJ, **D'Agostino RB**, Wei LJ. On the C-statistics for evaluating overall adequacy of risk prediction procedures with censored survival data. *Stat Med.* 2011 May 10;30(10):1105-17.

Zachariah JP, Pencina MJ, Lyass A, Kaur G, **D'Agostino RB**, Ordovas JM, Vasani RS. Circulating plasma cholesteryl ester transfer protein activity and blood pressure tracking in the community. *J Hypertens.* 2011 May;29(5):863-8.

Hivert MF, Sullivan LM, Shrader P, Fox CS, Nathan DM, **D'Agostino RB Sr**, Wilson PW, Kowall B, Herder C, Meisinger C, Thorand B, Rathmann W, Meigs JB. Insulin resistance influences the association of adiponectin levels with diabetes incidence in two population-based cohorts: the Cooperative Health Research in the Region of Augsburg (KORA) S4/F4 study and the Framingham Offspring Study. *Diabetologia.* 2011 May;54(5):1019-24.

Demler OV, Pencina MJ, **D'Agostino RB Sr.** Equivalence of improvement in area under ROC curve and linear discriminant analysis coefficient under assumption of normality. *Stat Med.* 2011 May 30;30(12):1410-8.

Selker HP, Beshansky JR, Ruthazer R, Sheehan PR, Sayah AJ, Atkins JM, Aufderheide TP, Pirralo RG, **D'Agostino RB**, Massaro JM, Griffith JL. Emergency medical service predictive instrument-aided diagnosis and treatment of acute coronary syndromes and ST-segment elevation myocardial infarction in the IMMEDIATE trial. *Prehosp Emerg Care.* 2011 Apr-Jun;15(2):139-48.

Wilson PW, **D'Agostino RB**, Fox CS, Sullivan LM, Meigs JB. Type 2 diabetes risk in persons with dysglycemia: the Framingham Offspring Study. *Diabetes Res Clin Pract.* 2011 Apr;92(1):124-7.

Dietrich M, Jacques PF, Polak JF, Keyes MJ, Pencina MJ, Evans JC, Wolf PA, Selhub J, Vasani RS, **D'Agostino RB.** Segment-specific association between plasma homocysteine level and



Ralph B. D'Agostino

RESUME February 10, 2013

[carotid artery intima-media thickness in the Framingham Offspring Study](#). J Stroke Cerebrovasc Dis. 2011 Mar-Apr;20(2):155-61.

Strom BL, Eng SM, Faich G, Reynolds RF, **D'Agostino RB**, Ruskin J, Kane JM. [Comparative mortality associated with ziprasidone and olanzapine in real-world use among 18,154 patients with schizophrenia: The Ziprasidone Observational Study of Cardiac Outcomes \(ZODIAC\)](#). Am J Psychiatry. 2011 Feb;168(2):193-201.

Pencina MJ, **D'Agostino RB Sr**, Steyerberg EW. [Extensions of net reclassification improvement calculations to measure usefulness of new biomarkers](#). Stat Med. 2011 Jan 15;30(1):11-21.

de Miguel-Yanes JM, Shrader P, Pencina MJ, Fox CS, Manning AK, Grant RW, Dupuis J, Florez JC, **D'Agostino RB Sr**, Cupples LA, Meigs JB; MAGIC Investigators; DIAGRAM+ Investigators. [Genetic risk reclassification for type 2 diabetes by age below or above 50 years using 40 type 2 diabetes risk single nucleotide polymorphisms](#). Diabetes Care. 2011 Jan;34(1):121-5.

D'Agostino R, Farewell V and Greenhouse J [Editorial](#) Statistics in Medicine Volume 30, Issue 1, 15 January 2011, Page: iii,

Editorials : D'Agostino R, Farewell V and Greenhouse J [Editorial](#) Statistics in Medicine Volume 30, Issue 1, 15 January 2011, Page: iii,

## 2012

Preis SR, Pencina MJ, D'Agostino RB Sr, Meigs JB, Vasani RS, Fox CS. [Neck circumference and the development of cardiovascular disease risk factors in the framingham heart study](#). Diabetes Care. 2013 Jan;36(1):e3. doi: 10.2337/dc12-0738.

Pencina MJ, D'Agostino RB, Massaro JM. [Understanding increments in model performance metrics](#). Lifetime Data Anal. **2012** Dec 16.

Jasuja GK, Travison TG, Davda M, Murabito JM, Basaria S, Zhang A, Kushnir MM, Rockwood AL, Meikle W, Pencina MJ, Coviello A, Rose AJ, D'Agostino R, Vasani RS, Bhasin S. [Age Trends in Estradiol and Estrone Levels Measured Using Liquid Chromatography Tandem Mass Spectrometry in Community-Dwelling Men of the Framingham Heart Study](#). J Gerontol A Biol Sci Med Sci. **2012** Oct 25.

Dmitrienko A, D'Agostino RB Sr, Huque MF. [Key multiplicity issues in clinical drug development](#). Stat Med. **2012** Oct 9. doi: 10.1002/sim.5642.

Little RJ, D'Agostino R, Cohen ML, Dickersin K, Emerson SS, Farrar JT, Frangakis C, Hogan JW, Molenberghs G, Murphy SA, Neaton JD, Rotnitzky A, Scharfstein D, Shih WJ, Siegel JP,



Stern H. [The prevention and treatment of missing data in clinical trials.](#) N Engl J Med. **2012** Oct 4;367(14):1355-60. doi: 10.1056/NEJMSr1203730.

Emerging Risk Factors Collaboration, Kaptoge S, Di Angelantonio E, Pennells L, Wood AM, White IR, Gao P, Walker M, Thompson A, Sarwar N, Caslake M, Butterworth AS, Amouyel P, Assmann G, Bakker SJ, Barr EL, Barrett-Connor E, Benjamin EJ, Björkelund C, Brenner H, Brunner E, Clarke R, Cooper JA, Cremer P, Cushman M, Dagenais GR, D'Agostino RB Sr, Dankner R, Davey-Smith G, Deeg D, Dekker JM, Engström G, Folsom AR, Fowkes FG, Gallacher J, Gaziano JM, Giampaoli S, Gillum RF, Hofman A, Howard BV, Ingelsson E, Iso H, Jørgensen T, Kiechl S, Kitamura A, Kiyohara Y, Koenig W, Kromhout D, Kuller LH, Lawlor DA, Meade TW, Nissinen A, Nordestgaard BG, Onat A, Panagiotakos DB, Psaty BM, Rodriguez B, Rosengren A, Salomaa V, Kauhanen J, Salonen JT, Shaffer JA, Shea S, Ford I, Stehouwer CD, Strandberg TE, Tipping RW, Tosetto A, Wassertheil-Smoller S, Wennberg P, Westendorp RG, Whincup PH, Wilhelmsen L, Woodward M, Lowe GD, Wareham NJ, Khaw KT, Sattar N, Packard CJ, Gudnason V, Ridker PM, Pepys MB, Thompson SG, Danesh J. [C-reactive protein, fibrinogen, and cardiovascular disease prediction.](#) N Engl J Med. **2012** Oct 4;367(14):1310-20. doi: 10.1056/NEJMoa1107477.

Kimokoti RW, Newby P, Gona P, Zhu L, McKeon-O'Malley C, Guzman JP, D'Agostino RB, Millen BE. [Patterns of weight change and progression to overweight and obesity differ in men and women: implications for research and interventions.](#) Public Health Nutr. **2012** Aug 31:1-13.

Lyman GH, Burstein HJ, Buzdar AU, D'Agostino R, Ellis PA. [Making Genuine Progress Against Metastatic Breast Cancer.](#) J Clin Oncol. **2012** Aug 27.

Pencina MJ, D'Agostino RB, Demler OV, Janssens AC, Greenland P. [Pencina et Al. Respond to "the incremental value of new markers" and "clinically relevant measures? A note of caution".](#) Am J Epidemiol. **2012** Sep 15;176(6):492-4.

Pencina MJ, D'Agostino RB, Pencina KM, Janssens AC, Greenland P. [Interpreting incremental value of markers added to risk prediction models.](#) Am J Epidemiol. **2012** Sep 15;176(6):473-81.

Kimokoti RW, Gona P, Zhu L, Newby PK, Millen BE, Brown LS, D'Agostino RB, Fung TT. [Dietary patterns of women are associated with incident abdominal obesity but not metabolic syndrome.](#) J Nutr. **2012** Sep;142(9):1720-7.

The Emerging Risk Factors Collaboration. [Adult height and the risk of cause-specific death and vascular morbidity in 1 million people: individual participant meta-analysis.](#) Int J Epidemiol. **2012** Jul 23.

D'Agostino RB Sr, Pencina MJ. [Invited commentary: clinical usefulness of the framingham cardiovascular risk profile beyond its statistical performance.](#) Am J Epidemiol. **2012** Aug 1;176(3):187-9.

Li H, Sankoh AJ, D'Agostino RB Sr. [Extension of adaptive alpha allocation methods for strong control of the family-wise error rate.](#) Stat Med. **2012** Jul 16. doi: 10.1002/sim.5485.

D'Agostino R Sr, Demets D, Friedewald W, Goodman S, Witte J, Geller NL. [The future of clinical trials: A panel discussion](#). Stat Med. **2012** Jul 16. doi: 10.1002/sim.5484. [Epub ahead of

Emerging Risk Factors Collaboration, Di Angelantonio E, Gao P, Pennells L, Kaptoge S, Caslake M, Thompson A, Butterworth AS, Sarwar N, Wormser D, Saleheen D, Ballantyne CM, Psaty BM, Sundström J, Ridker PM, Nagel D, Gillum RF, Ford I, Ducimetiere P, Kiechl S, Koenig W, Dullaart RP, Assmann G, D'Agostino RB Sr, Dagenais GR, Cooper JA, Kromhout D, Onat A, Tipping RW, Gómez-de-la-Cámara A, Rosengren A, Sutherland SE, Gallacher J, Fowkes FG, Casiglia E, Hofman A, Salomaa V, Barrett-Connor E, Clarke R, Brunner E, Jukema JW, Simons LA, Sandhu M, Wareham NJ, Khaw KT, Kauhanen J, Salonen JT, Howard WJ, Nordestgaard BG, Wood AM, Thompson SG, Boekholdt SM, Sattar N, Packard C, Gudnason V, Danesh J. [Lipid-related markers and cardiovascular disease prediction](#). JAMA. **2012** Jun 20;307(23):2499-506.

Wilson PW, D'Agostino R Sr, Bhatt DL, Eagle K, Pencina MJ, Smith SC, Alberts MJ, Dallongeville J, Goto S, Hirsch AT, Liau CS, Ohman EM, Röther J, Reid C, Mas JL, Steg PG; REACH Registry. [An international model to predict recurrent cardiovascular disease](#). Am J Med. **2012** Jul;125(7):695-703.e1.

Polak JF, Meisner A, Pencina MJ, Wolf PA, D'Agostino RB. [Variations in Common Carotid Artery Intima-Media Thickness during the Cardiac Cycle: Implications for Cardiovascular Risk Assessment](#). J Am Soc Echocardiogr. **2012** Sep;25(9):1023-8. Epub **2012** Jun 20.

Duval S, Massaro JM, Jaff MR, Boden WE, Alberts MJ, Califf RM, Eagle KA, D'Agostino RB, Pedley A, Fonarow GC, Murabito JM, Steg PG, Bhatt DL, Hirsch AT. [An evidence-based score to detect prevalent peripheral artery disease \(PAD\)](#). Vasc Med. **2012** Jun 17.

Lackland DT, Elkind MS, D'Agostino R Sr, Dhamoon MS, Goff DC Jr, Higashida RT, McClure LA, Mitchell PH, Sacco RL, Sila CA, Smith SC Jr, Tanne D, Tirschwell DL, Touzé E, Wechsler LR; American Heart Association Stroke Council; Council on Epidemiology and Prevention; Council on Cardiovascular Radiology and Intervention; Council on Cardiovascular Nursing; Council on Peripheral Vascular Disease; Council on Quality of Care and Outcomes Research. [Inclusion of stroke in cardiovascular risk prediction instruments: a statement for healthcare professionals from the American Heart Association/American Stroke Association](#). Stroke. **2012** Jul;43(7):1998-2027.

D'Agostino RB Sr. [Cardiovascular risk estimation in 2012: lessons learned and applicability to the HIV population](#). J Infect Dis. **2012** Jun;205 Suppl 3:S362-7.

Pencina MJ, D'Agostino RB Sr. [Thoroughly modern risk prediction?](#) Sci Transl Med. **2012** Apr 25;4(131):131fs10.

Ho JE, Gona P, Pencina MJ, Tu JV, Austin PC, Vasan RS, Kannel WB, D'Agostino RB, Lee DS, Levy D. [Discriminating clinical features of heart failure with preserved vs. reduced ejection fraction in the community](#). Eur Heart J. **2012** Jul;33(14):1734-41.

Ralph B. D'Agostino

RESUME February 10, 2013

Selker HP, Beshansky JR, Sheehan PR, Massaro JM, Griffith JL, D'Agostino RB, Ruthazer R, Atkins JM, Sayah AJ, Levy MK, Richards ME, Aufderheide TP, Braude DA, Pirralo RG, Doyle DD, Frascone RJ, Kosiak DJ, Leaming JM, Van Gelder CM, Walter GP, Wayne MA, Woolard RH, Opie LH, Rackley CE, Apstein CS, Udelson JE. [Out-of-hospital administration of intravenous glucose-insulin-potassium in patients with suspected acute coronary syndromes: the IMMEDIATE randomized controlled trial.](#) JAMA. **2012** May 9;307(18):1925-33.

Selker HP, Beshansky JR, Griffith JL, D'Agostino RB, Massaro JM, Udelson JE, Rashba EJ, Ruthazer R, Sheehan PR, Desvigne-Nickens P, Rosenberg YD, Atkins JM, Sayah AJ, Aufderheide TP, Rackley CE, Opie LH, Lambrew CT, Cobb LA, Macleod BA, Ingwall JS, Zalenski RJ, Apstein CS. [Study design for the Immediate Myocardial Metabolic Enhancement During Initial Assessment and Treatment in Emergency Care \(IMMEDIATE\) Trial: A double-blind randomized controlled trial of intravenous glucose, insulin, and potassium for acute coronary syndromes in emergency medical services.](#) Am Heart J. **2012** Mar;163(3):315-22.

Demler OV, Pencina MJ, D'Agostino RB Sr. [Misuse of DeLong test to compare AUCs for nested models.](#) Stat Med. **2012** Oct 15;31(23):2577-87. doi: 10.1002/sim.5328.

Corbacioglu S, Cesaro S, Faraci M, Valteau-Couanet D, Gruhn B, Rovelli A, Boelens JJ, Hewitt A, Schrum J, Schulz AS, Müller I, Stein J, Wynn R, Greil J, Sykora KW, Matthes-Martin S, Führer M, O'Meara A, Toporski J, Sedlacek P, Schlegel PG, Ehlert K, Fasth A, Winiarski J, Arvidson J, Mauz-Körholz C, Ozsahin H, Schrauder A, Bader P, Massaro J, D'Agostino R, Hoyle M, Iacobelli M, Debatin KM, Peters C, Dini G. [Defibrotide for prophylaxis of hepatic veno-occlusive disease in paediatric haemopoietic stem-cell transplantation: an open-label, phase 3, randomised controlled trial.](#) Lancet. **2012** Apr 7;379(9823):1301-9. Epub **2012** Feb 23.

Pencina MJ, D'Agostino RB Sr, Song L. [Quantifying discrimination of Framingham risk functions with different survival C statistics.](#) Stat Med. **2012** Jul 10;31(15):1543-53. doi: 10.1002/sim.4508.

O'Seaghda CM, Lyass A, Massaro JM, Meigs JB, Coresh J, D'Agostino RB Sr, Astor BC, Fox CS. [A risk score for chronic kidney disease in the general population.](#) Am J Med. **2012** Mar;125(3):270-7.

Thanassoulis G, Peloso GM, Pencina MJ, Hoffmann U, Fox CS, Cupples LA, Levy D, D'Agostino RB, Hwang SJ, O'Donnell CJ. [A genetic risk score is associated with incident cardiovascular disease and coronary artery calcium: the Framingham Heart Study.](#) Circ Cardiovasc Genet. **2012** Feb 1;5(1):113-21.

Prushik SG, Farber A, Gona P, Shrader P, Pencina MJ, D'Agostino RB Sr, Murabito JM. [Parental intermittent claudication as risk factor for claudication in adults.](#) Am J Cardiol. **2012** Mar 1;109(5):736-41.

Pencina MJ, D'Agostino RB Sr, Demler OV. [Novel metrics for evaluating improvement in discrimination: net reclassification and integrated discrimination improvement for normal variables and nested models.](#) Stat Med. **2012** Jan 30;31(2):101-13. doi: 10.1002/sim.4348.

Ralph B. D'Agostino

RESUME February 10, 2013

Murphy TP, Dhangana R, Pencina MJ, D'Agostino RB Sr. [Ankle-brachial index and cardiovascular risk prediction: an analysis of 11,594 individuals with 10-year follow-up.](#) *Atherosclerosis*. **2012** Jan;220(1):160-7.

Sam S, Haffner S, Davidson MH, D'Agostino R Sr, Perez A, Mazzone T. [Pioglitazone-mediated changes in lipoprotein particle composition are predicted by changes in adiponectin level in type 2 diabetes.](#) *J Clin Endocrinol Metab*. **2012** Jan;97(1):E110-4.

### **Book Reviews**

[Applied Factor Analysis in the Natural Sciences](#), Reyment, R.B., and Joreskog, K.G., Cambridge, U.K.: Cambridge University Press, 1993, reviewed by Ralph B. D'Agostino, Boston University in *JASA*, Sept. 1994, Vol. 89, #427

[Cluster Analysis \(3rd ed.\)](#), Everitt, B., New York: Halsted Press (John Wiley), 1993, vii, reviewed by Ralph B. D'Agostino, Boston University in *JASA*, March 1994, Vol. 89, #425

[Practical Handbook of Sample Size Guidelines for Clinical Trials: IBM Compatible Version](#), Shuster, J.J., Boca Raton, FL: CRC Press, 1993, reviewed by Ralph B. D'Agostino, Boston University in *Journal of the American Statistical Association*, December 1993, Vol. 88, #424, 1473-1474.

[Methodology of Clinical Trials \(2nd ed.\)](#), Spriet, A., Dupin-Spriet, T., Simon, P., Basel, Switzerland: Karger, 1994, reviewed by Ralph B. D'Agostino, Boston University in *JASA*, March, 1995, Vol. 90, #425, 390-391.

[Planning Pharmaceutical Clinical Trials: Basic Statistical Principles](#), Wooding, W.M., New York: John Wiley, 1994, in *JASA*, March 1995, Vol. 90, #390-391.

[Statistical Methods for Medical Investigations \(2nd ed.\)](#), Everitt, B.S.. New York: J. Wiley and Sons, 1994. in *JASA*, June 1996, Vol. 91, #910.

[Elsevier's Dictionary of Biometry](#), Rasch, D., Tiku, M.L., Sumpf, D. (Eds.), Amsterdam: Elsevier, 1994. in *JASA*, June 1996, Vol. 91, #910-912.

### **Editor Of Emergency Health Services Review**

EMS Communications: Utilizing the New Hardware and Systems Technology, (Guest Editor: Russell C. Kulp), Volume I, Issue 2, Winter, 1981.

Cardiopulmonary Resuscitation: An Evaluation of Performance and Potential (Guest Editors: Mickey S. Eisenberg and Lawrence Bergner), Volume I, Issue 3, Spring, 1982.

Emergency Medical Technician and Paramedic Training: Perspectives on Trends (Guest Editors: Lenwood Jacobs and Barbara Bennett), Volume II, Issue 1, Spring, 1983.

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Mathematical Modeling: Applications in Emergency Health Services, (Guest Editors: Ralph B. D'Agostino, Larry Shuman and Harvey Wolfe), Volume II, Issues 2/3, Spring, 1984.

The Psychiatric Emergency: Its Recognition and Management (Guest Editor: Eugene S. O'Neill), volume III, Issue 1, Fall, 1985.

Handbook of Emergency Psychiatry for Clinical Administrators (Guest Editors: Gail Barton and Rohn Freidman), Volume III, Issues 2/3, Winter 1985/Spring 1986.

### **Federal Register**

Worked with Federal Food and Drug Administration's Panel reviewing over-the-counter Miscellaneous Internal Drugs in preparing the following monographs for publication in the *Federal Register* (1975-1983):

- Digest Aids Drug Products
- Weight control Drug Products
- Pancreatic Insufficiency Drug Products
- Antidotes for Treatment of Acute Toxic Ingestion Drug Products
- Smoking Deterrent Drug Products
- Deodorants for Internal Use Drug Products
- Stomach Acidifier Drug Products
- Aphrodisiac Drug Products
- Sweet Spirit of Titre
- Anthelmintic Drug Products
- Emetic Drug Products
- Hypophosphatemia and Hyperphosphatemia Drug Products
- Cholecystokemetic Drug Products
- Insect Repellant Products
- Orally Administered Fever Blister Remedies

Worked with above Panel to produce protocols or guidelines for protocols for evaluating effectiveness of following over-the-counter drugs for publication in the *Federal Register* (1975-1983):

- Immediate Post Prandial Upper Abdominal Distress Drugs
- Intestinal Distress Drugs
- Weight Reducing Aid Drugs
- Smoking Deterrent Drugs
- Deodorants for Internal Use Drugs
- Fever Blister Drugs
- Overindulgence in Food and Drink, Drugs for Relief of Symptoms Resulting From Pain
- Premenstrual Pain and Tension Drugs

Worked with Federal Food and Drug Administration's Over-the-Counter-Drug Division in preparing guidelines for testing Sun Screen products. Guidelines to be published in the *Federal Register* (1989).

### **Letters To The Editor**

Note on "Regression Thru the Origin", *American Statistician* (December, 1971), 25 (5), 59.

Note on the Kolmogorov Statistic on Grouped Data, (with G.E. Noether), *American Statistician*, (October, 1973), 27 (4), 192.

## SELECTED REPORTS

### Published

*Qualify of Army Life: The Effects of Military Leadership*, (with A.G. Gitter and P.S. Graffman), Report DAWC 19-74-C-0020, prepared for U.S. Army Research Institute for Behavioral and Social Sciences (1975).

*Impact of Energy Shortage on Ambient Sulfur Dioxide and Particulate Levels in Metropolitan Boston AQCR* (with R. Siegel, P. Guldberg and K. Wiltsee), U.S. Environmental Protection Agency (EPA-450/3075-068) (1975).

*A Study to Evaluate the Effect of Performing Various Energy Saving Procedures on Residential Oil Burner Installations in the New England Area and to Gather Information on the Steady State and Dynamical Performance of These Installations*, (with L. Katzman), National Bureau of Standards, U.S. Department of Commerce (1975).

*Growth Effects of Major Lane Use Projects: Volume I-Specification and Casual Analysis of Model*, (with F. Benesh and P.H. Guldberg), U.S. Environmental Protection Agency (EPA-450/3-76-012-a), (1976).

*Growth Effects of Major Land Use Projects: Volume III-Summary Report*, (with F. Benesh and P. Guldberg), U.S. Environmental Protection Agency (1976).

*Trends in Military Crime*, (with G. Gitter and N. Teebagy), prepared for U.S. Army Research Institute for Behavioral and Social Sciences (1976).

*Comparative Indicators of Civilian and Military Crime 1969-1974*, (with G. Gitter and N. Teebagy), prepared for U.S. Army Research Institute for Behavioral and Social Sciences (1976).

*Adaptation to the Army of the American Soldier; Education, Aptitude, Race and Enlistment Motivation*, (with G. Gitter and N. Teebagy), prepared for U.S. Army Research Institute for Behavioral and Social Sciences (1976).

*Leadership and Performance as Predictions of Organizational Adjustment*, (with G. Gitter and N. Teebagy), prepared for U.S. Army Research Institute for Behavioral and Social Sciences (1976).

*Institutional Adaptation; Marital Status and Mode of Training*, (with G. Gitter and N. Teebagy), prepared for U.S. Army Research Institute for Behavioral and Social Sciences (1976).

*Growth Effects of Major Land Use Projects (Wastewater Facilities): Volume I-Model Specification and Causal Analysis*, (with P.H. Guldberg and R.D. Cunningham), U.S. Environmental Protection Agency (EPA Contract No. 68-02-2594), (1978).

*Growth Effects of Major Land Use Projects (Wastewater Facilities): Volume II-Summary, Predictive Equations and Worksheets* (with P.H. Guldberg), U.S. Environmental Protection Agency (EPT Contract No. 68-02-2594), (1978).

*Study of Area Source Hydrocarbon Emissions*, (with P. Morgenstern and M.C. Shah), Illinois Environmental Protection Agency, (1978).

### Unpublished

Appendix to "Critique of the UGDP Mortality Analyses", 1971.

Interpretation of the Sample Ratio of Assessment of Fair Cash Value and Its Standard Error, 1972.

Large Sample formulas for the Power and Sample Size for Correlated Proportions, 1972, B.U. Mathematics Department Research Report.

Tables for the D Test of Normality, April, 1973, B.U. Mathematics Department Research Report.

On the Null Distribution of  $b_2$  for  $20 \leq n \leq 200$ , (with E.S. Pearson), 1973, B.U. Mathematics Department Research Report.

Comparison of Logistic Regression and Discriminant analysis as Emergency Room Decision Models for the Diagnosis of Acute Coronary Disease, (with M.W. Pozen, J.B. Mitchell, et al.), 1978, B.U. Mathematics Department Research Report.

Statistical Review of the Hypertensive Literature (with P. Gertman, A. Sevin and J. Hares), 1974, Boston University Mathematics Department Research Report.

Minicomputer and Data Analysis in Support of the AFCL Magnetometer Network (with A. Lee and M.A. Leekley), Air Force Geophysic Laboratory, 1984.

### SELECTED TALKS

*Social Indicators*, A Statistician's View, at American Psychological Association Annual meeting, Washington, DC, September, 1971, at Urban Institute, Boston University, October 1971.

*Tests of Normality*, at meeting of Boston Chapter of the American Statistical Association, April 1973, at University of Connecticut (Statistics Department's Colloquium), April, 1973.

*UGDP Controversy: A Clinical and Statistical Evaluation*, (with J. O'Sullivan), at B.U. Endocrinology Seminar, May, 1975.

*A Statistical Analysis of the Impact of the Energy Shortage on air Quality Levels*, (with R. Siegel and P. Guldberg), at 4th conference on Probability and Statistics in Atmospheric Sciences, November, 1975, Tallahassee, Florida.

*A Laboratory Study of the Turbidity Generating Potential of Clay Mixture*, (with D. Cogley and B. Wechsler), at Specialty Conference on Dredging and its Environmental Effects, November, 1975.

*Application of Path Analysis to Delineate the Secondary Growth Effects of Major Land Use Projects*, (with T. McCurdy, F. Benesh and P. Guldberg), at EPA Conference on Modelling, March, 1976.

*Trials, Tribulations and Joys of Statistical Consulting*, at University of Maine, Mathematics Department, March, 1976.

*Statistical Methods Applied to Air Quality and Other Environmental Problems*, at University of

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Maine, Mathematics Department, March, 1976, at Bowdoin College, Maine, March, 1977.

*Quality of Life and Leadership in a Military Context*, (with P. Bleda and G. Gitter), at American Psychological Association Annual meeting, September, 1976, Washington, D.C.

*Relative Effectiveness of a Multiple Discriminant Model Versus Emergency Room Physicians in Diagnosing Acute Myocardial Ischemia*, (with M. Pozen, J. Guglielmino, N. Teebagy, L. Bielawski, W. Hood), at American Federation of Clinical Research Meeting, May 1, 1977, Washington, D.C.

*Comparison of Logistic Regression and Discriminant Analysis as Emergency Room Decision Model for the Diagnosis of Acute Coronary Disease*, (with M. Pozen, N. Teebagy, et. al.) at American Statistical Association Annual Meeting, August, 1977, Chicago, Illinois.

*A Sequential Diagnostic Procedure Incorporating the Logistic Regression*, (with N. Teebagy, M. Pozen, et al.), at American Statistical Association Annual Meeting, August, 1977, Chicago, Illinois.

*Implications of Alternative Sampling Strategies for Emergency Medical Service Evaluation*, (with J. Mitchell, M. Pozen, et al.), at American Federation for Clinical Research Meeting, April 28, 1978, San Francisco, California.

*The Utility of a Predictive Model for Ischemic Heart Disease in Changing Hospital Admitting Practices*, (with M. Pozen and J. Mitchell), at American Federation for Clinical Research Meeting, April 28, 1978, San Francisco, California.

*Acute Cardiovascular Conditions Recognition-Emergency Medical Technicians Versus Paramedics* (with J. Mitchell, M. Pozen, et al.), at American Public Health Association Meeting, October 1978, Los Angeles, California.

*Implications of Paramedics Diagnostic and Therapeutic Accuracy*, (with M. Pozen), at American Federation for Clinical Research, May 1979.

*The Utility of Hemodynamic Parameters for Assessing Status and Course of Patients with Trauma*, (with M. Pozen and D. Lerner), at American Public Health Association (APHA) Meeting, November 1979.

*Impact of Paramedic Programs in Selective Cardiac Patient Groups*, (with M. W. Pozen and P.A. Sytkowski) APHA Meeting, October, 1980.

*A Method for Assessing the Impact of Emergency Medical Systems in Rural Areas*, (with M.W. Pozen), APHA Meeting, October, 1980.

*Robustness of Statistical Techniques*, Framingham State College, November, 1980.

*The Statistician's Role in Modern Research*, Western New England College, March, 1981, and Regis College, April, 1981.

*Robustness of Parametric Procedures*, (with S. Meeks and T. Heeren), Biometrics Meeting, San Antonio, Texas, March, 1982.

*Family-Centered Cardiac Rehabilitation: A Model for Returning Patients to Work*, (with D. Lerner, A. Burgess, K. Chobanian and W. Hood), National Council on Family Relations Meeting,



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Washington, D.C., October, 1982.

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*Predicting Ischemic Heart Disease in the Emergency Room*, (with P. Sytkowski, M. Pozen, et al.), APHA Meeting, Montreal, November, 1982.

*Combining Results of Independent Clinical Trials*, ASA Meeting, Nashville, Tenn., March, 1983.

*Statistical Analysis of Data on Sexual Murderers/Serial Murderers*, Federal Bureau of Investigation (FBI) Academy, November 8, 1983 and January 5, 1984.

*Review of Statistical Analysis Procedures Appropriate to Longitudinal Studies Such As the Framingham Heart Study* (with L.A. Cupples, R. Abbott and K. Anderson), APHA Meeting, Washington, D.C., November, 1986.

*Comparison of the Impacts of Risk Factors on Cardiovascular Disease* (with L. A. Cupples, W. Kannel, W. Castelli and P. Wolf), APHA Meeting, Washington, D.C., November, 1986.

*Mechanism of the Decline in Cardiovascular Disease Mortality: The Framingham Study* (with P.A. Sytkowski, W.B. Kannel and P.A. Wolf), Society for Epidemiologic Research, Amherst, MA 1987.

*Nutritional Predictors of Coronary Heart Disease Over 20 Years: The Framingham Study* (with B.M. Posner, J.L. Cobb, A.J. Belanger and J. Stokes), American Heart Association, Washington, D.C., 1988.

*Influence of Education of Cognitive Decline with Advancing Age: The Framingham Study* (with D.L. Backman, R.T. Linn, P.A. Wolf, J.E. Knoefel and L.R. White) AAN, 1988.

*Mild Hypertension and Hypercholesterolemia in Young People: The Framingham Offspring Study* (with M.E. Costa, A.J. Belanger, W.B. Kannel and A.V. Chobanian), American Heart Association, Washington, D.C., 1988.

*Prevalence Rates of Risk Factors for Coronary Heart Disease in Hypertensives: The Framingham Study* (with M.E. Costa, A.J. Belanger, W.B. Kannel and A.V. Chobanian), American Heart Association, Washington, D.C. 1988.

*New Insights on Cholesterol-Lipoprotein Profiles: The Framingham Study* (with W.B. Kannel and A.J. Belanger), American Heart Association, Washington, D.C., 1988.

*Epidemiologic Background and Design: The Framingham Study*. American Statistical Association, New Orleans, August, 1988.

*Designing and Analyzing a Study to Quantify Nonbiological Factors in Clinical Decision Making* (with J.B. McKinlay and D. Potter), American Public Health Association, Boston, 1988.

*Methods for Evaluating the Effects of Smoking: The Framingham Study* (with A.J. Belanger), American Public Health Association, Boston, 1988.

*Health Effects of Smoking Cessation, Methodological Considerations and Analysis Results* (with A.J. Belanger), American Public Health Association, Boston, 1988.

*Design and Analysis of Caries Studies Evaluating the Effectiveness of High Dose Fluoride*

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*Dentriprices* (with J.E. Alman and L. Cancro), American Public Health Association, Boston, 1988.

*Alcohol Consumption as a Risk Factor for Stroke: The Framingham Study* (with P.A. Wolf), The American Neurological Association, Philadelphia, October, 1988.

*How Often Do Emergency Room Physicians Misread ST Segments, and How Does it Affect Patient Care? - A Multicenter Study* (with R.L. Jayes, G.C. Larsen, J.R. Beshansky and H.P. Selker), Society of General Internal Medicine, Washington, D.C., April 1989.

*Can Missed Diagnosis of Acute Myocardial Infarction (AMI) in the Emergency Room (ER) Be Reduced?* (with B.M. McCarthy and H.P. Selker), Society of General Internal Medicine, Washington, April, 1989.

*Testing the Performance of Logistic Regression Predictive Instruments: Different Measures for Different Applications* (with H.P. Selker and J. Griffith), Society of General Internal Medicine, Washington, April, 1989.

*Cholesterol: Phospholized Ratio Revised: The Framingham Study* (with J. Stokes and W.B. Kannel), 2nd International Conference on Preventive Cardiology, Washington, June, 1989.

*Robustness of Parametric Procedures on Scaled Ordered Data for Small Samples*, American Statistical Association, Washington, D.C., August, 1989.

*Moving Towards Morbidity Based Health Risk Appraisal*, Society of Prospective Medicine, Indianapolis, Indiana, October, 1989.

*Effects of Patient, Physician and Practice Setting Characteristics on Clinical Decision Making: Results of a Factorial Experiment* (with J.B. McKinlay and D.A. Potter), Society for Medical Decision Making, Minneapolis, MN, October, 1989.

*Design and Analysis Consideration to Evaluate Medical Decision Making*, American Public Health Association, Chicago, October, 1989.

*The Future of Graduate Education in Statistics*, 150th Anniversary of American Statistical Association, Boston, December, 1989.

*Use of Logistic Regression Function in Medical Research*, Society of General Internal Medicine, April, 1990

*Relation of Pooled Logistic Regression to Cox Time Dependent Covariance Analysis*, Baltimore Longitudinal Study of Aging. Baltimore MD, March 1990, University of Massachusetts, Amherst, MA, April 25, 1990, Statistics and Economic Department, University of Switzerland at Geneva, May, 1993.

*Use of Chi-Square Test on 2 x 2 Contingency Tables*, American Statistical Association Annual Meeting, August, 1990.

*Health Risk Appraisal Functions and the Framingham Heart Study*, American Public Health Association Annual Meeting, November 1990, Johns Hopkins Biostatistics Department, October, 1993, Simon Fraser University, April, 1994.

*Considerations for Design and Analysis of Clinical Trials for Treatment of Gingivitis and*

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*Periodontitis*. American Dental Association, Chicago, May, 1991.

*Relation of Low Diastolic Blood Pressure to Coronary Heart Disease Deaths*. Cardiovascular Epidemiology Meeting, Florida, March, 1991.

*Longitudinal Data Analysis Symposium on Longitudinal Data Analysis*. Symposium on Longitudinal Data Analysis, Florida, June, 1991.

*Implication of Diagnosis of Dementia/Alzheimer's Disease on Prevalence Studies and Clinical Trials*. Conference on Applied Statistics (ASA-ASQC), Atlantic City, NJ, December, 1991, American Statistical Association Annual meeting, August, 1991, Boston.

*Some Recent Issues in Dental Caries (Cavities) Research*. American Statistical Association Winter Meetings, January, 1995.

Invited Speaker Klimt Lecture, Johns Hopkins, 1999.

Invited Speaker Cardiovascular Conference, San Juan, Puerto Rico, 10/99

Invited Speaker Cardiovascular/Statistics Group, Gainesville. FL 5/00

Invited Speaker International Goodness-Of-Fit meeting, Paris May, 2000

Invited Speaker 11<sup>th</sup> International Pharmaceutical Conf Berlin June, 2000

Invited Speaker Quality of Life Conference Harvard June, 2000

Invited Speaker Drug Information association, March 2000 Control Groups in Clinical Trials

Invited Speaker Drug Information Association Annual Meeting June 2000 Alpha Spending in Clinical Trials

Invited Speaker American Statistical Association Annual Meeting 8/2000 Validation of Framingham Risk Prediction functions

Joint author on 5 invited papers presented at the American Heart Association meeting in Dallas, Texas, November, 1999.

Joint author on 3 papers presented at the Cardiovascular Epidemiology meetings in San Diego, CA, March 2000.

Lecturer in Postgraduate Course sponsored by Drug Development Association, February, 2000

**DELIVER AT LEAST 5 TO 10 PRESENTATIONS A YEAR AT PROFESSIONAL MEETINGS (Joint Statistics Meeting, Drug Information Association, FDA-Industry, American Heart Association, American College of Cardiology)**

**MAJOR CONFERENCES** (Selected)

June 1983 NIH Consensus Development Conference on Liver Transplantation; Washington, D.C.

September 1984 NIH Consensus Development Conference on Fresh Frozen Plasma; Washington, D.C.

May 1983 Conference on Clinical Caries Trials; American Dental Association, Chicago, Ill.

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November 1983 Conference on Pornography, Sexual Exploitation of Children and Violent Crime; FBI Academy, Quantico, Virginia.

January 1984 Conference on Sexual Murderers; FBI Academy, Quantico, Virginia.

January 1986 Severity Indexing for Improving Health Case Management, New Orleans, Louisiana.

September 1987 NIH Consensus Development Conference on Geriatric Assessment Methods, Washington, D.C.

August, 1988 Goodness-of-Fit Techniques (with M.A. Stephens). Short Course for American Statistical Association, New Orleans, LA. (Also gave course as mini-course for Boston Chapter of ASA in December 1988).

September, 1990 Intra Oral Techniques for Evaluating Efficacy: American Dental Association, Chicago, Illinois.

May 1991 Guidelines For Testing Products for Treatment of Gingivitis and Periodontitis: American Dental Association, Chicago, Illinois.

June 1991 Symposium on Longitudinal Data Analysis: American Statistical Association, Fort Lauderdale, Florida.

November 1998 Drug Information Association on the Use of Botanicals as Drugs, Washington, DC, November, 1997

March 2000, Drug Information Association, Use of Control Groups in Clinical Trials, Savannah, Georgia

## **ATTEND MAJOR MEETINGS EVERY YEAR**

### **MEMBERSHIP PROFESSIONAL SOCIETIES**

1967- Institute of Mathematical Statistics (IMS)  
1967- American Statistical Association (ASA)  
1974- American Society for Quality control (ASQC)  
1979- American Public Health Association (APHA)  
1980- American Association for the Advancement of Science (AAAS)  
1983- Biometrics Society

### **PROFESSIONAL ACTIVITIES (Selected)**

1971-72 President, Boston Chapter American Statistical Association  
1973-75 Member, National Council of American Statistical Association  
1976 Chairman, Goodness-of-Fit session of American Statistical Association Annual Meeting, Boston  
1975-77, Member Visiting Lecturer Series of Statistical Societies

- 1980- Member, Task force on Design and Analysis on Dental and Oral Research
- 1982- Organizer and Chairman, Mathematical Models in the Diagnoses and Treatment of Cardiac Patients session of the American Public Health Association Annual Meeting, Montreal.
- 1981-88 Reviewer for National Research Council Research Associateship Program
- 1983-85 Member, Governing Council of the American Public Health Association.
- 1985 Organizer and Chairman, Recent Analysis of the Framingham Heart Study Data session of the American Public Health Association Annual Meeting, Washington, D.C.
- 1988 Organizer, Effects of Smoking and Health Benefits of Smoking Cessation session, American Public Health Association Annual Meeting, Boston, MA
- 1989 Organizer, Robustness of Parametric Procedures on Scaled Ordinal Data for Small Sample Session of American Statistical Association Annual Meeting, Boston, MA
- 1989 Organizer, Effects of Patient and Physician Characteristics on Medical Decision Making, session of American Public Health Association Annual Meeting, Chicago, Ill.
- 1990 Organizer, Health Risk Appraisal Functions: The Framingham Study, Session of American Public Health Association Annual Meeting, New York, New York
- 1991 Member, Planning Committee for Symposium on Longitudinal Data Analysis, Sponsored by American Statistical Association. Held in Fort Lauderdale, Florida, June 1991.
- 1991- Regional Committee, Biometrics Society
- 1990-1994 Member, Study Section, Agency for Health Care Policy and Research, Technology Study Section.
- 1994 Organizer, Session on Effectiveness Research at Annual Meeting of the American Statistical Association, Toronto, August,
- 1994-1995 Chair-Elect and Chair, Section on Health Policy Statistics, American Statistical Association
- 1999- Chair, Noether Awards Committee, American Statistical Association
- 2000- Chair-Elect, Section on Epidemiology, American Statistical Association

#### **JOURNAL EDITORIAL ACTIVITIES**

- 1998- Editor, *Statistics in Medicine*
- 2007- Statistical Consultant, *New England Journal of Medicine*

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1996- Editor, *Tutorials in Biostatistics for Statistics in Medicine*  
2000- Editorial Board, *Health Services and Outcomes Research Methodology*  
1997- Associate Editor, *American Journal of Epidemiology*  
1999- Associate Editor, *Current Therapeutic Research*  
1992-96 Associate Editor, *Journal of the American Statistical Association*  
1988-98 Editorial Board, *Biostatistics*  
1981-86 Editor: *Emergency Health Services Review*.  
1980-91 Editorial Board: *Statistics in Medicine*  
1972-76 Associate Editor: *The American Statistician*.

## JOURNAL AND PROPOSAL REVIEWS

Journal of the American Medical Association  
New England Journal of Medicine  
American Journal of Epidemiology  
Journal of the American Statistical Association  
Biometrics  
Technometrics  
National Academy of Sciences ( National Research Council)  
Annals of Statistics  
National Science Foundation  
National Center for Health Services Research  
Agency for Health Care Policy and Research  
IEEE, Reliability  
Communications In Statistics  
Statistics in Medicine  
Psychological Bulletin  
Journal of Chronic Diseases

## MEMBERSHIP/ACTIVITIES-BOSTON UNIVERSITY (Selected)

1971-78 Treasurer, Epsilon Chapter of Phi Beta Kappa  
1972-75 Undergraduate Honors Committee  
1972-74 Graduate School Programs Committee (Chairman 1973-74)  
1973-76 College of Liberal Arts Tenure Advisory Committee (Chairman 1975-76)  
1973-74, College of Liberal Arts Academic Policy Committee  
76,78  
1973-79 President's Ad Hoc Tenure Advisory Committee  
1974-76 College of Liberal Arts-Medical School Joint Advisory Selection Committee  
1974-75 University Trustee Scholarship Selection Committee  
1975-78 College of Liberal Arts-Medical School Joint Advisory Selection  
1977-85 University Council's Research Activities Committee (Chairman 1982-84)  
1976-78 Research Advisory Committee (Chairman)  
1976-78 College of Liberal Arts/Graduate School Executive Committee  
1976-78 Graduate School Academic Standards Committee 1976-78 Martin Luther King  
Fellowship Committee (Chairman)  
1979-81 University Appointments, Promotion and Tenure Committee (Chairman 1979-80,  
1980-81)  
1978-85 Member, Faculty Council  
1981-82 Secretary, Faculty Council  
1982-83 Vice-Chairman, Faculty Council  
1983-84 Chairman, Faculty Council

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- 1980 Member, Search Committee for Dean of School of Management
- 1981-82 Chairman, Committee to Establish Division of Engineering and Applied Sciences in the Graduate School
- 1982-84 Member, Executive Committee of Division of Engineering and Applied Sciences
- 1984-86 Chairman, Planning Committee of University Council
- 1984 Search Committee for Chairman of Psychology Department (Chairman)
- 1985 Chairman, College of Liberal Arts Appointment, Promotion and Tenure Committee
- 1987, 1990 Metcalf Teaching Awards Committee
- 1989-90 Search Committee for Dean of College of Liberal Arts
- 1990 Search Committee for Chairman of Psychology Department
- 1994 Chair, Search Committee for Assistant Professor in Statistics, Mathematics Department
- 1998 Member, Provost Faculty Committee investigating cause of termination of a faculty member
- 2005 Member, Deans Search Committee, Boston University Medical School
- 1998-2012 Member various committee on Bioinformatics, Mathematical/Numerical Biology at Boston University