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| EDUCATION & TRAINING | Master of Public Health, Honorary Degree Harvard T.H. Chan School of Public Health, Harvard University | 2009 |
| | Ph.D. Statistics, University of Padua, Italy | 1997 |
| | B.S. Statistics, University La Sapienza, Rome, Italy, <i>110/110 (cum laude)</i> | 1993 |
| PROFESSIONAL EXPERIENCE | Senior Associate Dean for Research Harvard T.H. Chan School of Public Health, Harvard University | Nov. 2013-Present |
| | Associate Dean of Information Technology Harvard T.H. Chan School of Public Health, Harvard University | Mar. 2011-Present |
| | Professor, Department of Biostatistics Harvard T.H. Chan School of Public Health, Harvard University | Sept. 2009-Present |
| | Professor, Department of Biostatistics Johns Hopkins Bloomberg School of Public Health, Johns Hopkins University | 2007-08/2009 |
| | Associate Professor, Department of Biostatistics Johns Hopkins Bloomberg School of Public Health, Johns Hopkins University | 2002-2007 |
| | Joint Appointment, Department of Epidemiology Johns Hopkins Bloomberg School of Public Health, Johns Hopkins University | 2001-2009 |
| | Assistant Professor, Department of Biostatistics Johns Hopkins Bloomberg School of Public Health, Johns Hopkins University | 1999-2002 |
| | Visiting Assistant Professor, Department of Biostatistics Johns Hopkins Bloomberg School of Public Health, Johns Hopkins University | 1997-1999 |
| | Visiting Scholar, Institute of Statistics and Decision Science Duke University, North Carolina | 1995-1997 |
| ACADEMIC SERVICE | <u>DEPARTMENT:</u> Co-Chair, Junior Faculty Search Committee Department of Biostatistics, Harvard T.H. Chan School of Public Health | 2015-Present |
| | Computing Committee Department of Biostatistics, Harvard T.H. Chan School of Public Health | 2012-Present |

Curriculum Committee 2010-Present
Department of Biostatistics, Harvard T.H. Chan School of Public Health

SCHOOL:

Member of the Senior Management Team (Dean and Senior Associate Deans) 2015-Present
Harvard T.H. Chan School of Public Health

Committee on the Advancement of Women Faculty (Chair) 2015-Present
Harvard T.H. Chan School of Public Health

Academic Executive Team (Deans and Associate Deans) 2011-Present
Harvard T.H. Chan School of Public Health

Faculty Council 2011-Present
Harvard T.H. Chan School of Public Health

Tenure-committee member 2010-2012
Harvard T.H. Chan School of Public Health

UNIVERSITY:

Ad hoc Professorial Review Committee, Harvard Medical School 2015-Present
(Chair James Kasser, Harvard Medical School)

Big Data Planning Committee, Harvard University 2014-Present
(Chair Richard McCullough, Harvard VP of Research)

University Council on Research Computing, Harvard University 2011-Present
(Chair James Waldo, Harvard CTO)

Harvard Academic Computing, Harvard University 2011-Present
(Chair Anne Margulies, Harvard CIO)

Member of Ad hoc Committee to advise the Dean of the Harvard Medical School for tenured appointment at Harvard School of Medicine 2012

Member of Ad hoc Committee to advise the Provost for tenured appointment at Harvard School of Public Health 2012

Chair of Ad hoc Committee to advise the Provost for tenured appointment at Harvard School of Public Health 2011

PROFESSIONAL
ACTIVITIESSOCIETY MEMBERSHIPS AND LEADERSHIP:

American Statistical Association International Biometric Society

International Society for Environmental Epidemiology

International Biometric Society ENAR Spring Meeting, Washington DC, Program Committee
Member for the Junior Researcher Workshop, 2003

International Biometric Society ENAR Spring Meeting, Washington, DC, Program Committee
Member, 2002

International Biometric Society ENAR Spring Meeting, Washington DC, Chair of the Program Committee Member for the Junior Researcher Workshop, 2002

PARTICIPATION ON ADVISORY PANELS:

Member of the Centre of Environmental Health Research Advisory Council, Public Health Foundation of India (PHFI), May 2016-Present

Member of the RAPIDSOS, Inc. Medical Advisory Board, January 2016-Present

Member of the John B. Little International Scientific Advisory Board, Harvard T.H. Chan School of Public Health, October 2015-Present

National Academy of Sciences, Institute of Medicine Committee on Designing an Epidemiologic Study for Multiple Sclerosis and Other Neurologic Diseases in pre- and post- 9/11 Gulf War veterans, January 2015-January 2016

Member of the Research Committee of the Health Effects Institute (HEI), November 2014-Present

Member of the National Advisory Committee of the Statistical and Applied Mathematical Sciences Institute (SAMSI), January 2015-Present

Member of Institute of Quantitative Social Science (IQSS) Steering committee, Harvard University, January 2015-Present

Member of the Radiation Effects Research Foundation (RERF) Board of Councilors, June 2014-June 2019

Member of the Ad hoc Committee for the JPB Environmental Health Fellows Program, April 2014-Present

Member of the NIH Biostatistical Methods and Research Design Study Section (BMRD), Center for Scientific Review for the term (July 1, 2012 and ending June 30, 2018)

Member, External Advisory Board of The Southern California Environmental Health Sciences Center (SCEHSC), 2011-Present

National Academy of Sciences, Institute of Medicine Committee Research on Health Effects of Low-Level Ionizing Radiation Exposure: Opportunities for the Armed Forces Radiobiology Research Institute, April 2013-June 2014

Member of a review panel of the Department of Statistics at North Carolina State University to advise the Deans of the College of Physical and Mathematical Sciences, the College of Agriculture and Life Sciences, and the Graduate School, 2013

National Academy of Sciences, Institute of Medicine Committee on Gulf War and Health: Long-Term Effects of Blast Exposures, June 2012- August 2013

Chair of the External Review Committee of the Department of Biostatistics at the Mailman School of Public Health, May 2012

National Academy of Sciences, Institute of Medicine Committee to Review the Federal Response to the Health Effects Associated with the Gulf of Mexico Oil Spill, September 2010- April 2011

National Academy of Science, Institute of Medicine Committee on Long-Term Health Consequences of Exposure to Burn Pits in Iraq and Afghanistan, February 2010-April 2011

National Academy of Sciences, Institute of Medicine Committee on Secondhand Smoke Exposure and Acute Coronary Events, January 2009-August 2009

National Academy of Sciences, Institute of Medicine Committee to Review ATSDR's Great Lakes Report, April 2008- August 2008

National Academy of Sciences, Institute of Medicine Committee on Making Best Use of the Agent Orange Exposure Reconstruction Model, 2007-2008

National Academy of Sciences Committee, Institute of Medicine on Gulf War and Health, 2005-2006

External Advisory Board, University of Washington Seattle, Department of Environmental and Occupational Health Sciences, MESA Air Pollution Study, PI Joel Kaufman, 2005-2015

External Review Committee of the NIH NICHD Division of Epidemiology, Statistics Prevention Research (DESPR), 2004

Advisory Board of the International Biometric Society, Eastern North American Region (ENAR), 2003-2005

National Academy of Sciences Committee, Institute of Medicine to assess potential health effects from exposures to PAVE PAWS low-level phased-array radiofrequency energy in Cape Cod, MA, 2002-2005

Scientific Review Panel on Center for Environmental Statistics, EPA study section, 2001

LEADERSHIP AND DIVERSITY:

Chair of the Committee for the Advancement of Women Faculty at the TH Chan School of Public Health, August 2015-Present

Co-chair of University Committee for the Advancement of Women Faculty at the T.H. Chan School of Public Health, 2012- August 2015

Attended a three day executive program on *Negotiation and Leadership*, Program on Negotiation, Harvard Law School, Executive Education, May 18-20, 2015

Participated in HSPH Women in Leadership Student Organization Workshop panel discussion on "Lessons on Leadership: Defying Gender Stereotypes in the Workplace", HSPH, March 2014

Participated in panel discussion on "Having it All: Weighting to Achieve Balance", ENAR, March 2014

Participated in New Faculty 2013 Senior Faculty Panel Discussion, Office of Faculty Development & Diversity, 2013

Led Committee on the Concerns of Women Panel Discussion on "Imperfect Balance", 2012 (<http://news.harvard.edu/gazette/story/2012/11/having-it-all-at-harvard/>)

Paper – Dominici F, Fried LP and Zeger SL. "So Few Women Leaders" *Academe*, 2009; 95(4):25-27. (<http://www.aaup.org/article/so-few-women-leaders>).

Awarded Diversity Recognition Award by the President of Johns Hopkins University, 2009

Co-chaired the University Committee on the Status of Women, Johns Hopkins University, 2005-2009 (with Linda P. Fried, now Dean of the Mailman School of Public Health at Columbia University)

CONSULTATIONS:

Litigation of “Kerr et al versus Aerojet General Corporation” on a Neuroblastoma Incidence Analysis, Chino Hills California, 2005

National Academy of Science Committee on Research Priorities for Airborne Particulate Matter, 2002

Clean Air Act Advisory Committee of the EPA, 2002

Pacific Business Group on Health: The 1998 Asthma Outcome Survey

Kaiser Permanente: Morbidity and Mortality Associated with Air Pollution among Kaiser Permanente California Members, 1998

TESTIMONY:

Maryland State Committee on House Economic Matters on Health Effects of Particulate Matter and Ozone, 2005

Maryland State Committee on Education, Health, and Environmental Affairs on Health Effects of Particulate Matter and Ozone, 2005

Litigation of “Kerr et al versus Aerojet General Corporation” on a Neuroblastoma Incidence Analysis, Chino Hills, California, 2005

EDITORIAL
ACTIVITIES

EDITORIAL BOARD ACTIVITIES:

Senior Editor, Chapman & Hall/CRC Texts in Statistical Science Series

Associate Editor of the Journal of the Royal Statistical Society, December 2007- December 2011

Editor of the American Journal of Epidemiology, Statistical Methodology Area, May 2002-April 2007

PEER REVIEW ACTIVITIES:

American Journal of Epidemiology Biometrics

Biostatistics

Environmetrics

Environmental Health Perspectives Epidemiology

Journal of the American Statistical Association

Journal of the Royal Statistical Society

Journal of the American Medical Association

New England Journal of Medicine

Science

Statistics in Medicine

AD HOC REVIEW OF PROPOSALS:

Member of the NIH Biostatistical Methods and Research Design Study Section (BMRD), Center for Scientific Review for the term (July 1, 2012 and ending June 30, 2018)

Environmental Protection Agency
 Health Effects Institute, Boston, MA
 National Institute of Health (NIH)
 National Institute of Environmental Health Sciences (NIEHS)
 Retirement Research Foundation
 Book proposals for John Wiley & Sons, New York and Springer, New York

HONORS & AWARDS

HONORS:

Recognized as one of the top 10 Italian women scientists with the largest impact in biomedical sciences across the world. http://www.corriere.it/salute/16_maggio_24/premiato-38-ricercatrici-italiane-piu-influenti-settore-biomedico-388732be-21b4-11e6-91cf-0087f336776f.shtml

“Cause-specific Risk of Hospital Admission Related to Heat in Older Adults” published in JAMA 2015 received special recognition by NIEHS leaders as one of 28 Papers of the Year <http://www.niehs.nih.gov/news/newsletter/2016/1/papers/2015-papers/index.htm#d>

Recognized in Thomson Reuter’s 2015 list of the most highly cited researchers, ranking in the top 1% of scientists cited in her field. <http://highlycited.com/>

“Comparative Effectiveness Research of Environmental Exposures: Connecting the Dots with Big Data”, Wierman Distinguished Lecture, Johns Hopkins University, Baltimore, MD, 2015

“Residential Exposure to Aircraft Noise and Hospital Admissions for Cardiovascular Diseases: Multi-airport Retrospective Study” published in BMJ Vol. 347 f5561, October 8, 2013 selected for honorable mention as one of the Best Environmental Epidemiology Papers published in 2013 by the International Society for Environmental Epidemiology, 2014

Mathematics for Planet Earth 2013 Simons Foundation Public Lecture Series, hosted by the Statistical and Applied Mathematical Sciences Institute (SAMSI), Raleigh North Carolina, USA

Keynote Speaker at Environmental Health Day, hosted by the Department of Biostatistics at University of Michigan, 2011

Dean’s Lecture, Bloomberg School of Public Health, 2007

Fellow of the Johns Hopkins Center of Excellence in Public Health Tracking, Centers for Disease Control, 2005

Elected Fellow of the American Statistical Association, 2005 Keynote

Speaker at the Royal Statistical Society, London, UK, 2002

Invitation to address the Royal Statistical Society, London, UK, 2002

AWARDS:

Florence Nightingale David award, 2015, and sponsored jointly by Committee of Presidents of Statistical Societies and Caucus for Women in Statistics. The selection criteria are excellence in the following: as a role model to women, statistical research, leadership of multidisciplinary collaborative groups, statistics education and service to the profession.

Diversity Recognition Award, Johns Hopkins University, 2009

Myrto Lefkopoulou Distinguished Lectureship Award, Department of Biostatistics, School of Public Health, Harvard University, 2007

Gertrude Cox Award, Washington DC Chapter of the American Statistical Association and RTI International, 2007

Mortimer Spiegelman Award, Statistics Section of the American Public Health Association, 2006

Young Investigator Award, The American Statistical Association Section of Statistics in Epidemiology, for the best paper of the year, 2001

Walter A. Rosenblith New Investigator Award, Three-Year Fellowship The Health Effects Institute, Boston, Massachusetts, 1999-2002

Student Award, ENAR International Biometric Society, 1998

Three-Year Fellowship and Award for Study and Research Abroad, Department of Statistics, University of Padua, Italy, 1994-1997

PUBLICATIONS

Underlined are current or former students or post-doctoral fellows

JOURNAL ARTICLES: (signifies peer review)

1. **Dominici F**, Parmigiani G, Reckhow KH, Wolpert RL (1997) Combining Information from Related Regressions. *J Agric Biol Environ Stat*, 2(3):294-312.
2. **Dominici F** (1997) Testing Simultaneous Hypotheses in Pharmaceutical Trials: A Bayesian Approach. *J Biopharm Stat*, 8(2):283-297.
3. Zeger SL, **Dominici F**, Samet JM (1999) Harvesting - Resistant Estimates of Pollution Effects on Mortality. *Epidemiology*, 10(2):171-175.
4. **Dominici F**, Parmigiani G, Wolpert RL, Hasselblad V (1999) Meta-analysis of Migraine Headache Treatments: Combining Information from Heterogeneous Designs. *JASA*, 94(445):16-28.
5. **Dominici F** (2000) Combining Contingency Tables with Missing Dimensions. *Biometrics*, 56(2):546-553.
6. **Dominici F**, Parmigiani G, Clyde MA (2000) Conjugate Analysis of Multivariate Normal Data with Incomplete Observations. *Can J Stat*, 28(3):533-550.
7. **Dominici F**, Zeger SL, Samet JM (2000) A Measurement Error Model for Time-Series Studies of Air Pollution and Mortality. *Biostatistics*, (2):157-175.
8. Zeger S, Thomas D, **Dominici F**, Cohen AJ, Schwartz J, Dockery D, Samet JM (2000) Measurement Error in Time-series Studies of Air Pollution: Concepts and Consequences. *Environ Health Perspect*, 108(5):419-426. PMID: PMC1638034.
9. **Dominici F**, Samet JM, Zeger SL (2000) Combining Evidence on Air pollution and Daily Mortality from the Twenty Largest US Cities: A Hierarchical Modeling Strategy with discussion. *J Royal Stat Soc: Series A*, 163(3):263-302. (Read at the Royal Statistical Society, London, January 10, 2000)

10. Daniels M, **Dominici F**, Samet JM, Zeger SL (2000) Estimating PM10-Mortality Dose-Response Curves and Threshold Levels: An Analysis of Daily Time-Series For the 20 Largest US Cities. *Am J Epidemiol*, 152(5):397-412. (with discussion)
11. Samet JM, **Dominici F**, Curriero F, Coursac I, Zeger SL (2000) Fine Particulate Air Pollution and Mortality in 20 U.S. Cities: 1987-1994. *N Engl J Med*, 343(24):1742-9. (with discussion)
12. **Dominici F** and Parmigiani G (2001) Bayesian Semiparametric Dose-Response Models: An Application to Toxicology. *Biometrics*, 57(1):166-173.
13. **Dominici F** (2002) Invited Commentary on: Air Pollution and Health: What Can We Learn from a Hierarchical Approach? *Am J Epidemiol*, 155(1):11-15.
14. **Dominici F**, Daniels M, Zeger SL, Samet JM (2002) Air Pollution and Mortality: Estimating Regional and National Dose-Response Relationships. *JASA*, 97(457):100-111.
15. Diette GB, Krishnan J, **Dominici F**, Haponik E, Skinner EA, Steinwachs D, Wu AW (2002) Asthma in the Elderly: Factors Associated with Hospitalization. *Arch Intern Med*, 162:1123-1132.
16. **Dominici F**, McDermott A, Zeger SL, Samet JM (2002) On the Use of Generalized Additive Models in Time Series Studies of Air Pollution and Health. *Am J Epidemiol*, 156(3):193-203.
17. **Dominici F**, McDermott A, Zeger SL, Samet JM (2003) National Maps of the Effects of Particulate Matter on Mortality: Exploring Geographical Variation. *Environ Health Perspect*, 111(1):39-44. PMID: PMC1241304.
18. Johnson E, **Dominici F**, Griswold M, Zeger SL (2003) Disease Cases and Their Medical Costs Attributable to Smoking: An Analysis of the National Medical Expenditure Survey. *J Econometrics*, 112(1):135-151.
19. Samet JM, **Dominici F**, McDermott A, Zeger SL (2003) New Problems for an Old Design: Time-Series Analyses of Air Pollution and Health. *Epidemiology*, 14(1):11-12.
20. Burnett R, Dewanji A, **Dominici F**, Cohen A, Goldberg M, Krewski D (2003) On the Relationship Between Time Series Studies, Dynamic Population Studies, and Estimating Life Lost Due to Short-Term Exposure to Environmental Risks. *Environ Health Perspect*, 111:1170-1174. PMID: PMC1241570.
21. **Dominici F**, McDermott A, Samet JM, Zeger SL (2003) Airborne Particulate Matter and Mortality: Time-Scale Effects in Four US Cities. *Am J Epidemiol*, 157:1055-1065. (with invited commentary)
22. **Dominici F**, McDermott A, Samet JM, Zeger SL (2003) Response to Dr Smith: Timescale- Dependent Mortality Effects of Air Pollution. *Am J Epidemiol*, 157:1071-1073.
23. **Dominici F** and Burnett R (2003) Risk Models for Particulate Air Pollution. *J Toxicol Environ Health Sci*, 66(16-19):1883-1890.

24. **Dominici F**, Sheppard L, Clyde M (2003) Health Effects of Air Pollution: A Statistical Review. *Int Stat Rev*, 71(2):243-276.
25. Daniels M, **Dominici F**, Zeger SL (2004) Underestimation of Standard Errors in Multi-Site Time Series Studies of Air Pollution and Health. *Epidemiology*, 15:57-62.
26. Daniels MJ, **Dominici F**, Zeger SL, Samet JM (2004) The National Morbidity, Mortality and Air Pollutions Study, Part III: PM10 concentration-response curves and thresholds for the 20 largest US cities. *Res Rep Health Eff Inst*, 94(3):1-21. (discussion 23-30)
27. **Dominici F**. Time-series analysis of air pollution and mortality: a statistical review. *Res Rep Health Eff Inst*, 123:3-27. (discussion 29-33)
28. Bell M, Samet JM, **Dominici F** (2004) Time-Series Studies of Particulate Matter. *Annu Rev Public Health*, 25:247-280.
29. Jackson L, Correa A, Lees PSJ, **Dominici F**, Stewart P, Breyse PA, Matanoski G. (2004) Parental Lead Exposure and Total Anomalous Pulmonary Venous Return. *Birth Defects Res*, 70:185-193.
30. Meriardi M, Caulfield L, Zavaleta N, Figueroa A, Costigan KM, **Dominici F**, DiPietro J (2004) Randomized Controlled Trail of Prenatal Zinc Supplementation and Fetal Growth. *Am J Clin Nutr*, 79:826-830.
31. Meriardi M, Caulfield L, Zavaleta N, Figueroa A, Costigan KM, **Dominici F**, DiPietro J (2004) Randomized Controlled Trail of Prenatal Zinc Supplementation and the Development of fetal heart rate patterns. *Am J Obstet Gynecol*, 190:1106-1112.
32. **Dominici F**, Zanobetti A, Zeger SL, Schwartz J, Samet JM (2004) Hierarchical Bivariate Time-Series Models: A Combined Analysis of the Effects of Particulate Matter on Morbidity and Mortality. *Biostatistics*, 5:341-360.
33. **Dominici F**, Cole S, Spiegelman D (2004) Methodological contributions to the American Journal of Epidemiology. *Am J Epidemiol*, 160:197-198.
34. Yurk RA, Diette GB, Skinner EA, **Dominici F**, Clark RD, Steinwachs DM, Wu A (2004) Predicting Patients Reported Asthma Outcomes for Adults in Managed Cares. *Am J Manag Care*, 11:322-328.
35. Bell M, Samet JM, McDermott A, Zeger SL, **Dominici F** (2004) Ozone and Mortality in 95 U.S. Urban Communities from 1987 to 2000. *JAMA*, 292:2372-2378.
36. **Dominici F**, McDermott A, Hastie T (2004) Improved Semi-parametric Time Series Models of Air Pollution and Mortality. *JASA*, 468:938-948.
37. Basu R, **Dominici F**, Samet JM (2005) Temperature and mortality among the elderly in the United States: a comparison of epidemiologic methods. *Epidemiology*, 16(1):58-66.
38. Huang IC, Frangakis C, **Dominici F**, Diette GB, Wu A (2005) Application of a Propensity Score Approach for Risk Adjustment in Multiple Physician Group Profiling on Asthma Care. *Health Serv Res*, 40:253-278. PMID: PMC1361136.

39. Huang IC, **Dominici F**, Frangakis C, Diette GB, Damberg CL, Wu A (2005) Is risk-adjustor selection more important than statistical approach for provider profiling? Asthma as an example. *Med Decis Making*, 25:20-359.
40. Huang IC, Diette GB, **Dominici F**, Frangakis C, Wu A (2005) Variations of physician group profiling indicators. *Am J Manag Care*, 11:38-49.
41. Peng R, **Dominici F**, Pastor-Barriuso R, Zeger SL, Samet JM (2005) Seasonal Analyses of Air Pollution and Mortality in 100 U.S. cities. *Am J Epidemiol*, 161:585-594.
42. Merialdi M, Caulfield LE, Zavaleta N, Figueroa A, Costigan KA, **Dominici F**, DiPietro JA (2005) Randomized, Controlled Trial of Prenatal Zinc Supplementation and Fetal Bone Growth. *Obstet Gynecol Surv*, 60:13-15.
43. Merialdi M, Caulfield LE, Zavaleta N, Figueroa A, Costigan KA, **Dominici F**, DiPietro JA (2005) Fetal growth in Peru: Comparisons with international fetal size charts and implications for fetal grow assessment. *Ultrasound Obstet Gynecol*, 2:123-128.
44. **Dominici F**, Levy J, Louis TL (2005) Methodological Challenges and Contributions in Disaster Epidemiology. *Epidemiol Rev*, 27:1-4.
45. Bell M, **Dominici F**, Samet JM (2005) A Meta-Analysis of Time-Series Studies of Ozone and Mortality with Comparison to the National Morbidity Mortality Air Pollution Study, *Epidemiology*, 16:436-445. PMID: PMC3581312. (with discussion)
46. Huang Y, **Dominici F**, Bell M (2005) Bayesian Hierarchical Distributed Lag Models for Summer Ozone Exposure and Cardio-Respiratory Mortality. *Environmetrics*, 16:547-562. PMID: PMC3697867.
47. Fung KY, Krewski D, Burnett R, **Dominici F** (2005) Testing the Harvesting Hypothesis. *J Toxicol Environ Health Sci*, 68:1137-1154.
48. Eftim S, **Dominici F** (2005) Multi-site Time-Series Studies versus Cohort Studies: Methods, Findings, and Policy Implications. *J Toxicol Environ Health Sci*, 68:1191-1205.
49. **Dominici F**, McDermott A, Daniels M, Zeger SL, Samet JM (2005) Revised Analysis of the National Morbidity, Mortality and Air Pollution Study: Mortality Among Residents of 90 Cities. *J Toxicol Environ Health Sci*, 68:1071-1092.
50. **Dominici F**, Cope L, Naiman D, Zeger SL (2005) Smooth Quantile Ratio Estimation (SQUARE). *Biometrika*, 92:543-557.
51. Choi L, **Dominici F**, Zeger SL (2005) Estimating Treatment Efficacy Over Time: a Logistic Regression Model for Binary Longitudinal Outcomes. *Stat Med*, 24:2789-2805.
52. **Dominici F** and Zeger SL (2005) Smooth Quantile Ratio Estimation with Regression: Estimating Medical Expenditures for Smoking Attributable Diseases. *Biostatistics*, 6:505-519.
53. **Dominici F**, Zeger SL, Parmigiani G, Katz J, Christian P (2006) Estimating Percentile-Specific Effects in Counterfactual Models: A Case Study of Micronutrient Supplementation, Birth Weight, and Infant Mortality. *J Royal Stat Soc, Series C*,

55(2):261-280.

54. Peng R, **Dominici F**, Louis T (2006) Model Choice in Multi-Site Time Series Studies of Air Pollution and Mortality. *J Royal Stat Soc, Series A* 169(2):179-203.
55. Buja A, Mastrangelo G, Perissinotto E, Rausa G, Canova C, Grigoletto F, **Dominici F** (2006) Cancer incidence among female cabin attendants: A meta-analysis of published data. *J Womens Health*, 15:98-105.
56. Sapkota A, Halden R, **Dominici F**, Groopman J, Buckley T (2006) Urinary biomarkers of 1,3-butadiene in environmental settings using liquid chromatography isotope dilution tandem mass spectrometry. *Chem Bio Interact*, 160:70-79.
57. **Dominici F**, Peng D, Bell M, Pham M, McDermott A, Zeger SL, Samet JM (2006) Fine Particulates Air Pollution and Hospital Admission for Cardiovascular and Respiratory Diseases. *JAMA*, 295:1127-1135. PMID: 168343154.
58. Katz J, Christian P, **Dominici F**, Zeger SL (2006) Treatment Effects of Maternal Micronutrient Supplementation vary by Percentiles of the Birth Weight Distribution in rural Nepal. *J Nutr*, 136:1389-1394.
59. Bell M, Peng R, **Dominici F** (2006) The Exposure-Response Curve for Ozone and Risk of Mortality and the Adequacy of Current Ozone Regulations, *Environ Health Perspect*, 114(4):532-536. PMID: 16440776.
60. Peng R, **Dominici F**, Zeger SL (2006) Reproducible Epidemiological Research. *Am J Epidemiol*, 163:783-789.
61. Symons JM, Wang L, Guallar E, Howell E, **Dominici F**, Schwab M, Ange BA, Samet JM, Ondov J, Harrison D, Geyh A (2006) A Case-Crossover Study of Fine Particulate Matter Air Pollution and Congestive Heart Failure Hospitalization. *Am J Epidemiol*, 164: 421-433.
62. Thomas D, Jerrett M, Kuenzli N, Louis T, **Dominici F**, Zeger SL, Schwartz J, Burnett R, Krewski D, Bates D (2007) Bayesian Model Averaging in Time-Series Studies of Air Pollution and Mortality. *J Toxicol Environ Health Sci*, 70(3-4):311-5.
63. Kim SR, **Dominici F**, Buckley TJ (2007) Concentrations of vehicle-related air pollutants in an urban parking garage. *Environ Res*, 105(3):291-9. PMID: 17716646.
64. **Dominici F**, Zeger SL, Parmigiani G, Katz J, Christian P (2007) Does the effect of micronutrient supplementation on neonatal survival vary with respect to the percentiles of the birth weight distribution? *Bayesian Analysis*, 2:1-23. (with discussion)
65. Bell M, **Dominici F**, Ebisu K, Zeger SL, Samet JM (2007) Spatial and Temporal Variation in PM2.5 Chemical Composition in the United States for Health Effects Studies. *Environ Health Perspect*, 115(7):989-995. PMID: 1713582.
66. Janes H, **Dominici F**, Zeger SL (2007) Trends in Air Pollution and Mortality: An Approach to the Assessment of Unmeasured Confounding. *Epidemiology*, 18(4):416-423 (with discussion)
67. Janes H, **Dominici F**, Zeger SL (2007) Partitioning Evidence of Association between Air Pollution and Mortality. *Epidemiology*, 18:427-428.

68. **Dominici F**, Peng RD, Zeger SL, White RH, Samet JM (2007) Particulate Air Pollution and Mortality in the United States: Have the Risks Changed from 1987 to 2000? *Am J Epidemiol*, 166:880-888. (with discussion)
69. **Dominici F**, Peng RD, Zeger SL, White RH, Samet JM (2007) Respond to “Heterogeneity of Particulate Matter Health Risks.” *Am J Epidemiol*, 166:892-893.
70. Sung RK, **Dominici F**, Buckley TJ (2007) The Influence of Vehicle Type on Mobile-Source Related Air Pollution in an Urban Parking Garage. *Environ Res*, 105:291-299.
71. Bell M, Kim JY, **Dominici F** (2007) Potential confounding of particulate matter on the short- term association between ozone and mortality in multi-site time series studies. *Environ Health Perspect*, 115:1591-5. PMID: PMC2072830.
72. **Dominici F**, Peng R, Ebisu K, Zeger SL, Samet JM, Bell M (2007) Does the effect of PM 10 on mortality depend on PM nickel and vanadium content? A re-analysis of the NMMAPS data. *Environ Health Perspect*, 115:1701-3. PMID: PMC2137127.
73. Locke JE, Segev DL, Warren DS, **Dominici F**, Simpkins CE, Montgomery RA (2007) Outcomes of Kidneys from Donors After Cardiac Death: Implications for Allocation and Preservation. *Am J Transplant*, 7(7):1797–1807.
74. Locke JE, Warren DS, **Dominici F**, Cameron AM, Leffell MS, McRann DA, Melancon JK, Segev DL, Simpkins CE, Singer AL, Zachary AA, Montgomery RA (2008) Donor Ethnicity Influences Outcomes following Deceased-Donor Kidney Transplantation. *Am J Transplant*, 19(10):2011-2019. PMID: PMC2551570.
75. **Dominici F**, Kramer S, Zambelli-Weiner (2008) The Role of Epidemiology in the Law: A Toxic Tort Litigation Case. *Law Probab Risk*, 7:15-34.
76. Bell M and **Dominici F** (2008) Effect Modification by Community Characteristics on the Short- Term Effects of Ozone on Mortality in 98 U.S. Communities. *Am J Epidemiol*, 167:986-997. PMID: PMC2430754.
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172. Lee JH, Haneuse S, Schrag D, **Dominici F**, Haneuse S (2016) Hierarchical models for semi-competing risks data with application to quality of end-of-life care for pancreatic cancer. *JASA*
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SUBMITTED ARTICLES:

1. Prada D, Bartali B, Zanobetti A, Schwartz J, Dagincourt N, Curto T, Fang SC, Colicino E, Zhong J, Kloog I, Zmuda JM, Holick M, Araujo AB, **Dominici F**, Baccarelli AA (2016) Particulate air pollution, bone loss and risk of bone fractures in older individuals.
2. Wilson A, Zigler CM, Patel CJ, **Dominici F** (2015) An approach to adjust for confounding in the presence of multivariate exposures.

3. Bravo MA, Ebisu K, Wang Y, **Dominici F**, Peng RD, Bell ML. Airborne fine particles and risk of hospital admissions for cardiovascular and respiratory diseases: effects by urbanicity and short-term cumulative exposures.
4. James P, Hart JE, Troped PJ, Subramanaian SV, **Dominici F**, Spengler JD, Ewing R, Laden F. Urban sprawl, walking, and weight gain: Prospective effects of the built environment in two cohorts of US women from 1986-2009.
5. Wang Y, Bobb JF, Papi B, Wang Y, Kosheleva A, Di Q, Schwartz JD, **Dominici F**. Heat Stroke Admissions during Heat Waves in 1,916 US Counties for the period from 1999 to 2010 and Their Effect Modifiers. (*under revision*)
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9. Liu JC, Mickley LJ, Sulprizio MP, **Dominici F**, Yue X, Ebisu K, Anderson GB, Khan RFA, Bravo MA, Bell ML. Particulate pollution from wildfires in the Western US under Climate Change.
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11. Chang H, Peng R, **Dominici F** (2014) Bayesian model averaging for clustered data. *Bayesian Analysis (Student Paper Award Winner, 2009 Eastern North American Region/International Biometric Society, Student Paper Award Winner, 2009 American Statistical Association Health Policy & Statistics Section's)*
12. Wang Y, Bell M, Peng RD, **Dominici F**. Long term exposure to fine particulate matter air pollution and 30-day readmissions for Medicare patients with acute myocardial infarction, heart failure, and pneumonia.
13. Bobb J, Ho K, Yeh RW, Harrington L, Zai A, McKenna J, Liao K, **Dominici F**. Hospital admissions during major snowstorms in Boston.
14. Berman JD, Ebisu K, Peng RD, Wang Y, **Dominici F**, Bell ML. Drought events and the risk of hospital admissions and mortality in the Western U.S. elderly population, 2000-2013. JAMA
15. Antonelli J and **Dominici F**. Using validation data to estimate causal effect in the context of comparative effectiveness research in cancer.
16. Papadogeorgou G, **Dominici F**, Zigler C. Towards adjustment for completely unobserved spatial confounding.

17. Cedeno Laurent, JG, McNeely E, Allen J, **Dominici F**, Spengler JD. Undergraduate student health and the residential built environment.
18. Hopp S, **Dominici F**, Bobb JF. Medical diagnoses of heat wave-related hospital admissions in older adults.

BOOKS:

1. Peng R and **Dominici F** (2008) *Statistical Methods for Environmental Epidemiology with R: A Case Study in Air Pollution and Health*. Springer, NY.

BOOK CHAPTERS, MONOGRAPHS, PEER-REVIEWED REPORTS:

1. **Dominici F** (1994) Partial Sufficiency (in Italian), Laurea (MS) Dissertation, Publications of the Department of Statistics, Probability and Applied Statistics, Thesis Publication, University La Sapienza, Rome, Italy.
2. **Dominici F** (1994) Discriminant Analysis, Chapter 6 of Handbooks of the Summer School of Statistics, no 6, University L. Bocconi, Milan.
3. Committee to Assess Potential Health Effects from Exposures to PAVE PAWS Low-Level Phased-Array Radiofrequency Energy, National Research Council: An Assessment of Potential Health Effects from Exposure to PAVE PAWS Low-Level Phased-Array Radiofrequency Energy, (2005) The National Academies of Science, Washington DC.
4. Samet JM, **Dominici F**, Zeger SL, Dockery D, Schwartz J (2000) The National Morbidity, Mortality, and Air Pollution Study Part I: Methods and Methodological Issues, Number 94, The Health Effects Institute, Cambridge, MA.
5. Samet JM, Zeger SL, **Dominici F**, Curriero F, Coursac I, Dockery D, Schwartz J, Zanobetti A (2000) The National Morbidity, Mortality, and Air Pollution Study Part II: Morbidity and Mortality from Air Pollution in the United States, Number 94, The Health Effects Institute, Cambridge, MA.
6. Diette GB, Skinner EA, **Dominici F**, Clarck R, Steinwachs DM, Wu AW (2000) The 1998 Asthma Outcome Survey, Phase I. The Pacific Business Group on Health and Health Net, San Francisco, CA.
7. **Dominici F** and Parmigiani G (2000) Combining Studies with Continuous and Dichotomous Responses: A Latent Variables Approach, in *Doing and Understanding Meta-analysis*, (Edited by Berry D.A. and Stangl D.), Marcel Dekker, NY.
8. Zeger SL, **Dominici F**, McDermott A, Samet JM (2004) Modeling the Health Effects of Environmental Exposures: Particulate Air Pollution and Mortality in Urban America, in *Monitoring the Health of Populations: Statistical Methods for Public Health Surveillance*, (Edited by Brookmeyer R. and Stroup D.), Oxford University Press.
9. **Dominici F**, McDermott A, Daniels M, Samet JM, Zeger SL (2003) A Special Report to the Health Effects Institute on the Revised Analyses of the NMMAPS II Data, The Health Effects Institute, Cambridge, MA.

10. Daniels M, **Dominici F**, Samet JM, Zeger SL (2004) The National Morbidity, Mortality, and Air Pollution Study Part III: Estimating PM10-Mortality Dose-Response Curves and Threshold Levels: An Analysis of Daily Time-Series for the 20 Largest US Cities, The Health Effects Institute, Cambridge, MA.
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13. Bell M, **Dominici F**, McDermott A, Zeger SL, Samet JM (2005) Multi-Site Time-Series Analysis of Ozone and Mortality in 95 U.S. Cities from 1987 to 2000: Results from the National Morbidity Mortality Air Pollution Study. Final Report to the Environmental Protection Agency.
14. Zeger SL, McDermott A, **Dominici F**, Peng R, Samet JM (2005) Internet-based Health and Air Pollution Surveillance System (iHAPSS), The Health Effects Institute, Cambridge, MA.
15. University Committee on the Status of Women (2006) Vision 2020. Office of the Provost, Johns Hopkins University.
16. Committee on the Gulf War and Health: Review of the Medical Literature Relative to Gulf War Veteran's Health (2006), The National Academies of Science, Washington DC.
17. Committee on "The Utility of Proximity-Based Herbicide Exposure Assessment in Epidemiologic Studies of Vietnam Veterans." (2008), The National Academies of Science, Washington, DC.
18. Committee on "Review of ATSDR's Great Lakes Report Drafts" (2008). Letter Report, The National Academies of Science, Washington, DC.
19. Committee on "Secondhand Smoke Exposure and Cardiovascular Effects: Making Sense of the Evidence" (2009), The National Academies of Science, Washington, DC.
20. Committee on "Long-Term Health Consequences of Exposure to Burn Pits in Iraq and Afghanistan" (2011), The National Academies of Science, Washington, DC.
21. Committee on "Research Directions in Human Biological Effects of Low Level Ionizing Radiation", (2014), The National Academies, Washington, DC.
22. Zigler CM, Kim C, Choirat C, Hansen JB, Wang Y, Hund L, Samet JM, King G, and **Dominici F** (2016) Causal Inference Methods for Estimating Long-Term Health Effects of Air Quality Regulations. The Health Effects Institute, Cambridge, MA. <http://pubs.healtheffects.org/view.php?id=453>

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2. **Dominici F**, Daniels M (2000) Hierarchical Non-Parametric Poisson Models in Environmental Epidemiology: Investigating the Association between Particulate Matter and Mortality, Proceedings of the Third Colloquium on Particulate Air Pollution and Human Health, Abstract 102, Inhalation Toxicology, Volume 12, Supplement 2.
3. Daniels M, **Dominici F**, Samet JM, Zeger SL (2001) Reply to the letter of Tobias A. and Saez M. on Estimating PM10-Mortality Dose-Response Curves and Threshold Levels: An Analysis of Daily Time-Series for the 20 Largest US Cities, *Am J of Epidemiol*, Volume 153(10):10, 1027-10.
4. Samet JM, **Dominici F**, Zeger SL (2002) Reply to the letter of Palmer P. and Seville D. on Toxicity of Fine Particles, *Epidemiology*, Volume 13:241-242.
5. Potter DEB, Lau DT, **Dominici F** (2002) Characteristics of Nursing Home Residents with Item Non Response in Their Prescribed Medicine Data: Analyzing the 1996 Medical Expenditure Panel Survey Nursing Home Component, Proceedings for the 2002 Joint Statistical Meeting of the American Statistical Association, August, New York, NY.
6. Fung K, Krewski D, Burnett R, **Dominici F**. Testing the Harvesting Hypothesis by Time Domain Analysis, Proceedings for the 2002 Colloquium of the Network for Environmental Risk Assessment and Management (NERAM-II), November, Baltimore MD.
7. **Dominici F**, Peng D, Bell M, Pham M, McDermott A. Zeger SL, Samet JM. (2006) Reply to Letters by Drs. Ricci and Thurston on the article: Particles, Air Pollution and Hospital Admission for Cardiovascular and Respiratory Diseases, *Journal of the American Medical Association*.

DR. FRANCESCA DOMINICI
Curriculum Vitae: Part II

TEACHING

ADVISEES AT JOHNS HOPKINS

Pre-doctoral students in Biostatistics (Primary advisor, Hopkins):

Sorina Eftim, PhD candidate, 2003-2006, completed

Sergio Venturini, PhD candidate, Visiting Scholar from Bocconi University, Italy (*Awarded in 2008 as the best Italian PhD Thesis*)

Yijie Zhou, PhD candidate, 2004-2007, completed

Howard Chang, PhD candidate, 2006-2010, completed (*ENAR 2008 Student Travel Award*)

Jessica Myer, PhD candidate, 2007-2010, completed (*ENAR 2008 Student Travel Award*)

Jennifer Bobb, PhD candidate, 2008-2010, completed (*ENAR 2010 Student Travel Award*)

Post-doctoral fellows in Biostatistics (Primary advisor, Hopkins):

Michelle Bell, PhD, 2002-2003, Professor, Yale University
 Roger Peng, PhD, 2003-2005, Associate Professor, Johns Hopkins University
 Holly Janes, PhD, 2005-2007, Assistant Professor, University of Washington Seattle
 Sonja Greven, PhD, 2008-2009, Assistant Professor, University of Munich
 Christopher D. Barr, PhD, 2008-2010, Assistant Professor, Harvard University

Statistical Advisor of PhD students from Other Departments (Hopkins):

Mario Meriardi, PhD International Health 2001 Rupa Basu, PhD Epidemiology 2002
 I-Chan Huang, PhD Health Policy and Management 2003
 Leila Jackson, PhD Epidemiology 2003 Leslie Cope, PhD Mathematical Sciences 2003
 Morel Symons, PhD Epidemiology 2005
 Sung Roul Kim, PhD Environmental Health Science 2006
 Hari Nathan, MD, Clinical Research Scholar Programs, Department of Surgery, 2007
 Suzanna Nazarian, MD, Clinical Research Scholar Programs, Department of Surgery, 2007

MPH Students (Hopkins):

Jayne Locke, MD, Resident, Department of Surgery, Johns Hopkins Hospital (MPH Capstone Award Winner, 2006)
 Lia Clattenburg, Student, School of Medicine, Johns Hopkins Hospital, 2006
 Jose Rodriguez-Paz MD, Department of Anesthesiology, Johns Hopkins Hospital 2007
 Robert Meguid MD, Department of Surgery, Johns Hopkins Hospital 2007
 Jeff Schoenborn BS, Battelle Memorial Institute, Arlington VA 2008

Final Oral Participation (Hopkins):

Karlyn Heiner, ScM Biostatistics, 1998
 Huey-Fang Sun, PhD Mental Hygiene 2000
 Paul Muntner, PhD Epidemiology 2000
 Rupa Basu, PhD Epidemiology 2001
 Mario Meriardi, PhD International Health 2001
 Denys Lau, PhD Health Policy and Management 2002
 I-Chan Huang, PhD Health Policy and Management 2003
 Leila Jackson, PhD Epidemiology 2003
 Leslie Cope, PhD Mathematical Sciences 2003
 Samuel Mills, PhD Population and Family Health Science 2004
 Amir Sapkota, PhD Environmental Health Science 2005
 Morel Symons, PhD Epidemiology 2005
 Sung Roul Kim, PhD Environmental Health Science 2006
 Yingkai Cheng, PhD Epidemiology 2006 Arantxa, Conchero, PhD Epidemiology 2007
 Jennifer Taylor, PhD Health Policy and Management 2007
 Yijie Zhou, PhD Biostatistics 2007
 Nicole Cardello, PhD Environmental Health Science 2007
 Michael Johansson, PhD, Molecular Biology and Immunology 2008
 Lilly Engineer, PhD, Health Policy and Management 2008
 Kenny Shum, PhD, Biostatistics 2008
 Juan Ramos-Bonilla, Environmental Health Sciences 2009
 Howard Chang, Biostatistics 2009
 Lydia Isaac, Health Policy and Management 2009

ADVISEES AT HARVARD

Co-Director of Training Grant in Environmental Biostatistics (Brent Coull, PI)

Undergraduate students in Statistics (Primary Advisor):

Uggi Lee: 2012-2013

Barrett Jansen: 2014-2015

Pre-doctoral students in Biostatistics (Primary Advisor):

Andrew Correia, PhD candidate, 2010-2013

Krista Watts, PhD candidate, 2011-2013

Matt Cefalu PhD candidate, 2011-2013

Joseph Antonelli PhD candidate, 2013-2015

Elisabeth Smoot PhD candidate, 2014-2015

Georgia Papadogeorgou, PhD candidate, 2014-present

Tai Cai, PhD candidate, 2014-present

Post-doctoral fellows in Biostatistics (Primary Advisor):

Yeonsung Chang, PhD, 2010-2011, Assistant Professor, Seoul University

Yiping Dou, PhD, 2010, Scientist at Yahoo

David Diez, PhD, 2010-2012, Google

Lauren Hund, PhD, 2012-2013, Statistician, Sandia National Laboratories

Dhruv Sharma, PhD, 2011-2012, Michigan State University

Corwin Zigler, PhD, 2010-2013, Assistant Professor, Biostatistics, SPH

Matt Cefalu, PhD, 2013-2014, Rand

Jennifer F Bobb, PhD, 2011-2015, Group Health Research Institute

Fei Jiang, PhD, 2013-2015, University of South Carolina

Fred Cudhea PhD, 2013-2015, Tufts University ,

Kyu Ha Lee, PhD, 2011-2015, The Forsyth Institute

Danielle Braun PhD, 2013-present

Ander Wilson, PhD, 2014-present

Chanmin Kim PhD, 2014-present

Joseph Antonelli PhD, 2015-present

Statistical Advisor of PhD students from Other Departments

Kathie Dionisio, PhD, Department of Global Health and Population, 2010

Peter James, PhD, Environmental Health, 2011

Marianthi-Anna Kioumourtzoglou, PhD, Environmental Health, 2013

Mercedes Bravo, PhD, Yale School of Forestry and Environmental Studies, 2013

Memo-Cedeno Laurent, PhD, Environmental Health, 2014

Other

Jason H. Wafsy, M.D., M.Phil, Massachusetts General Hospital, 2016

Final Oral Participation (PhD):

Kathie Dionisio, Environmental Health, 2011

Mariel Finucane, Biostatistics, 2011

Peter James, Epidemiology, 2012

Richard White, Biostatistics, 2012

Marianthi-Anna Kioumourtzoglou, Environmental Health, 2013

Mathieu Maheu-Girox, Global Health and Population, 2013

Frederick Cudhea, Biostatistics, 2013

Memo-Cedeno Laurent, PhD, Environmental Health, 2014

Mathieu Maheu-Giroux , PhD, Global Health Population, 2014

Elisabeth Smoot, PhD, Biostatistics, 2015

Joseph Antonelli, PhD, Biostatistics, 2015

K99 Advisees

Xabier Adrian Garcia-De-Albeniz, MD, PhD, Department of Epidemiology, 2016

Peter James, ScD, Department of Epidemiology, 2016

Gitanjali Singh, PhD, Tufts University Friedman School of Nutrition Science & Policy, 2016

Mercedes Bravo, PhD, U. of Michigan School of Natural Resources and Environment, 2016