

Curriculum Vitae: Francesca Dominici, Ph.D.

DR. FRANCESCA DOMINICI

Department of Biostatistics, Harvard T.H. Chan School of Public Health
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<https://scholar.google.co.uk/citations?user=RSwEINMAAAAJ>

EDUCATION & TRAINING	Master of Public Health, Honorary Degree	2009
	Harvard T.H. Chan School of Public Health, Harvard University	
	Ph.D. Statistics, University of Padua, Italy	1997
	B.S. Statistics, University La Sapienza, Rome, Italy, <i>110/110 (cum laude)</i>	1993
AREAS OF RESEARCH	Bayesian Statistics, Causal inference, High Dimensional Data, Machine Learning, Environmental Epidemiology, Health Policy, Open Science, Combining Heterogeneous Sources of Data	
PROFESSIONAL EXPERIENCE	Professor, Department of Biostatistics Harvard T.H. Chan School of Public Health, Harvard University	July 2009 - Present
	Founding co-Director Harvard Data Science Initiative, Harvard University	Feb. 2017-Present
	Clarence James Gamble Professor of Biostatistics, Population Health, and Data Science	Jul. 2018-Present
	Co-Editor in Chief, Harvard Data Science Review Journal	Jul. 2020 - Present
	Department of Biostatistics, Harvard T.H. Chan School of Public Health, Harvard University	Apr 2021 – Present
	Member of Steering Committee, Kemper Institute for the Study of Natural & Artificial Intelligence	Dec 2021 – Present
	Joint Appointment, Department of Environmental Health Science Harvard T.H. Chan School of Public Health, Harvard University	Apr. 2022 – Present
	Faculty Associate, Harvard University Center for the Environment (HUCE)	Jul. 2020 – present
	Senior Associate Dean for Research Harvard T.H. Chan School of Public Health, Harvard University	Nov. 2013-2017
	Associate Dean of Information Technology, Harvard T.H. Chan School of Public Health	2011 - 2013
Professor, Department of Biostatistics Johns Hopkins Bloomberg School of Public Health, Johns Hopkins University	2007-08/2009	

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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 DEPARTMENT:

Co-Chair, Junior Faculty Search Committee
Department of Biostatistics, Harvard T.H. Chan School of Public Health 2015-2016

Computing Committee
Department of Biostatistics, Harvard T.H. Chan School of Public Health 2012-Present

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

SCHOOL:

Member of Standing Committee on Appointments, Reappointments, and
Promotions (SCARP) 2022 - Present

Member of the Senior Management Team (Dean and Senior Associate
Deans) 2015-2018
Harvard T.H. Chan School of Public Health

Committee on the Advancement of Women Faculty (Chair) 2015-2018
Harvard T.H. Chan School of Public Health

Academic Executive Team (Deans and Associate Deans) 2011-2017
Harvard T.H. Chan School of Public Health

Faculty Council 2011-2017
Harvard T.H. Chan School of Public Health

Tenure Committee Member 2010-2012
Harvard T.H. Chan School of Public Health

UNIVERSITY:

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Ad hoc Professorial Review Committee, Harvard Medical School (Chair James Kasser, Harvard Medical School)	2015-2016
Big Data Planning Committee, Harvard University (Chair Richard McCullough, Harvard VP of Research)	2014-2017
University Council on Research Computing, Harvard University (Chair James Waldo, Harvard CTO)	2011-Present
Harvard Academic Computing, Harvard University (Chair Anne Margulies, Harvard CIO)	2011-Present
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 Appointments at Harvard School of Public Health	2011

PROFESSIONAL ACTIVITIES

SOCIETY MEMBERSHIPS AND LEADERSHIP:

Elected Fellow of the Institute of Mathematical Statistics

Elected Member of the National Academy of Medicine

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 Advisory Board of the Harvard Data Science Review	Jul. 1, 2019 – Present
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Chairperson of the NIH Biostatistical Methods and Research Design Study Section (BMRD), Center for Scientific Review for the term	Jul. 1, 2017 - June 30, 2018
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Member of the NIH Biostatistical Methods and Research Design Study Section (BMRD), Center for Scientific Review for the term	Jul. 1, 2012- 2016 Aug. 2016-Present
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Member of the Scientific Advisory Committee (SAC) for the Solutions for Energy, AiR, Climate, and Health (SEARCH) Center, an Air, Climate, and Energy (ACE) Center funded by the EPA, Yale University	
Member of the Centre of Environmental Health Research Advisory Council, Public Health Foundation of India (PHFI)	May 2016-2019
Member of the RAPIDSOS, Inc. Medical Advisory Board	Jan. 2016-Present
Member of the John B. Little International Scientific Advisory Board, Harvard T.H. Chan School of Public Health	Oct. 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	Jan. 2015-Jan. 2016
Member of the Research Committee of the Health Effects Institute (HEI)	November 2014- November 2022
Member of the National Advisory Committee of the Statistical and Applied Mathematical Sciences Institute (SAMSI)	Jan. 2015-2019
Member of Institute of Quantitative Social Science (IQSS) Steering committee, Harvard University	Jan. 2015-Present
Member of the Radiation Effects Research Foundation (RERF) Scientific Advisory Board	Jun. 2014-Present
Member of the Ad hoc Committee for the JPB Environmental Health Fellows Program	Apr. 2014-2016
Member, External Advisory Board of The Southern California Environmental Health Sciences Center (SCEHSC)	2011-2017
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	Apr. 2013-Jun. 2014 2013
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	
National Academy of Sciences, Institute of Medicine Committee on Gulf War and Health: Long-Term Effects of Blast Exposures	Jun. 2012- Aug. 2013
Chair of the External Review Committee of the Department of Biostatistics at the Mailman School of Public Health, Columbia University	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- Apr. 2011

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National Academy of Science, Institute of Medicine Committee on Long-Term Health Consequences of Exposure to Burn Pits in Iraq and Afghanistan	February 2010-Apr. 2011
National Academy of Sciences, Institute of Medicine Committee on Secondhand Smoke Exposure and Acute Coronary Events	Jan. 2009-Aug. 2009
National Academy of Sciences, Institute of Medicine Committee to Review ATSDR's Great Lakes Report	Apr. 2008- Aug. 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, Massachusetts	2002-2005
Scientific Review Panel on Center for Environmental Statistics, EPA Study Section	2001
<i><u>LEADERSHIP AND DIVERSITY:</u></i>	
Chair of the Committee for the Advancement of Women Faculty at the Harvard T.H. Chan School of Public Health	Aug. 2015-2017
Co-chair of the Committee for the Advancement of Women Faculty at the Harvard T.H. Chan School of Public Health,	2012-Aug. 2015
Attended a three-day Executive Program on <i>Negotiation and Leadership</i> , Program on Negotiation, Harvard Law School, Executive Education	May 18-20, 2015
Participated in the Harvard T.H. Chan School of Public Health Women in Leadership Student Organization Workshop Panel Discussion on "Lessons on Leadership: Defying Gender Stereotypes in the Workplace"	Mar. 2014
Participated in Panel Discussion on "Having it All: Weighting to Achieve Balance", Eastern Northern American Region	Mar. 2014
Participated in New Faculty Senior Faculty Panel Discussion, Office of Faculty Development and Diversity	2013

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- Led Committee on the Concerns of Women Panel Discussion on “Imperfect Balance” (<http://news.harvard.edu/gazette/story/2012/11/having-it-all-at-harvard/>) 2012
- 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>). 2009
- Awarded Diversity Recognition Award by the President of Johns Hopkins University 2009
2005-2009
- Co-chaired the University Committee on the Status of Women, Johns Hopkins University (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 1998
- Kaiser Permanente: Morbidity and Mortality Associated with Air Pollution among Kaiser Permanente California Members 1998
- Litigation of MAGALY PINARES, et al., Plaintiffs, vs. UNITED TECHNOLOGIES CORPORATION, Pratt & Whitney Group May 2018

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 Dec. 2007- Dec. 2011
- Editor of the American Journal of Epidemiology, Statistical Methodology Area May 2002-Apr. 2007

PEER REVIEW ACTIVITIES:

American Journal of Epidemiology
Biometrics
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:

HONORS &
AWARDS

Elected Member of the National Academy of Medicine, October 2018-Present

Elected Member of the International Society of Mathematical Statistics, Apr. 2020-Present

Named in the 2019 Highly Cited Researcher list (top 1% worldwide)
<https://recognition.webofsciencegroup.com/awards/highly-cited/2019/>

Presidential Invited Address at the Eastern North American Region, International Biometric Society, Mar. 2019

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/premiata-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, Johns Hopkins University, 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:

Mosteller Statistician of the Year Award, Boston Chapter of the American Statistical Association 2022.

The award is given to a distinguished statistician who has made exceptional contributions to the field of statistics and outstanding service to the statistical community.

Star-Friedman Award Challenge for Promising Scientific Research, Harvard University 2020. The Challenge recognizes high-risk, high-impact research in the life, physical, and social sciences and targets ambitious projects that might not receive traditional grants.

Karl E. Peace Award for Outstanding Statistical Contributions for the Betterment of Society, from the American Statistical Association, 2020 Dr. Dominici was selected in part “for her high-quality, innovative, and policy-relevant science, for her commitment to transparency and reproducibility in science, and for her work in developing statistical methods for evaluating health effects of exposure to air pollution.”

Jerome Sacks Award for Cross-Disciplinary Research from the American Statistical Association, 2020. Her citation reads, “For her leadership in high-impact cross-disciplinary research that brings together statistical innovation, heterogeneous data, and diverse scientists to address critical challenges in environmental epidemiology, especially regarding the effects of air pollution on public health.”

Janet L. Norwood Award for Outstanding Achievement by a Woman in the Statistical Sciences, University of Alabama, 2016

Florence Nightingale David Award, 2015, 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. *Journal of Agricultural, Biological, and Environmental Statistics*, 2(3):294-312.
2. **Dominici F.** (1997) Testing Simultaneous Hypotheses in Pharmaceutical Trials: A Bayesian Approach. *Journal of Biopharmaceutical Statistics*, 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. *Journal of the American Statistical Association*, 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. *Canadian Journal of Statistics*, 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. *Environmental Health Perspectives*, 108(5):419-426. PMID: 10811568, PMCID: PMC1638034, doi: 10.1289/ehp.00108419.
 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. *Journal of the Royal Statistical Society: Series A*, 163(3):263-302. (Read at the Royal Statistical Society, London, Jan. 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. *American Journal of Epidemiology*, 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. *New England Journal of Medicine*, 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? *American Journal of Epidemiology*, 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. *Journal of the American Statistical Association*, 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. *Archives of Internal Medicine*, 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. *American Journal of Epidemiology*, 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. *Environmental Health Perspectives*, 111(1):39-44. PMID: 12515677, PMCID: PMC1241304, doi: 10.1289/ehp.5181.
 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. *The Journal of 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. *Environmental Health*

- Perspectives*, 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. *American Journal of Epidemiology*, 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. *American Journal of Epidemiology*, 157:1071- 1073.
 23. **Dominici F** and Burnett R (2003) Risk Models for Particulate Air Pollution. *Journal of Toxicology and Environmental Health*, 66(16-19):1883-1890.
 24. **Dominici F**, Sheppard L, Clyde M (2003) Health Effects of Air Pollution: A Statistical Review. *International Statistical Review*, 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. *Health Effects Institute Research Report*, 94(3):1-21. (discussion 23-30)
 27. **Dominici F**. Time-series analysis of air pollution and mortality: a statistical review. *Health Effects Institute Research Report*, 123:3-27. (discussion 29-33)
 28. Bell M, Samet JM, **Dominici F** (2004) Time-Series Studies of Particulate Matter. *Annual Review of 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 Research*, 70:185-193.
 30. Merialdi M, Caulfield L, Zavaleta N, Figueroa A, Costigan KM, **Dominici F**, DiPietro J (2004) Randomized Controlled Trail of Prenatal Zinc Supplementation and Fetal Growth. *American Journal of Clinical Nutrition*, 79:826-830.
 31. Merialdi 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. *American Journal of Obstetrics and Gynecology*, 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. *American Journal of Epidemiology*, 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. *American Journal of Managed 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. *Journal of the American Medical Association*, 292:2372-2378.
36. **Dominici F**, McDermott A, Hastie T (2004) Improved Semi-parametric Time Series Models of Air Pollution and Mortality. *Journal of the American Statistical Association*, 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 Services Research*, 40:253-278. PMID: 15663712, PMCID: PMC1361136, doi: 10.1111/j.1475-6773.2005.00352.x.
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. *Medical Decision Making*, 25:20-359.
40. Huang IC, Diette GB, **Dominici F**, Frangakis C, Wu A (2005) Variations of physician group profiling indicators. *American Journal of Managed 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. *American Journal of Epidemiology*, 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. *Obstetrical and Gynecological Survey*, 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 in Obstetrics and Gynecology*, 2:123-128.
44. **Dominici F**, Levy J, Louis TL (2005) Methodological Challenges and Contributions in Disaster Epidemiology. *Epidemiologic Reviews*, 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: 15951661, PMCID: PMC3581312, doi: 10.1097/01.ede.0000165817.40152.85 (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: 23825932, PMCID: PMC3697867, doi: 10.1002/env.721.
47. Fung KY, Krewski D, Burnett R, **Dominici F** (2005) Testing the Harvesting Hypothesis. *Journal of Toxicology and Environmental Health*, 68:1137-1154.
48. Eftim S, **Dominici F** (2005) Multi-site Time-Series Studies versus Cohort Studies: Methods, Findings, and Policy Implications. *Journal of Toxicology and Environmental Health*, 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. *Journal of Toxicology and Environmental Health*, 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. *Statistics in Medicine*, 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. *Journal of the Royal Statistical Society, 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. *Journal of the Royal Statistical Society, 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. *Journal of Women's 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. *Chemico-Biological Interactions*, 160:70-79.
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SUBMITTED ARTICLES:

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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.
11. **Dominici F** and Antonelli J. (2022). Bayesian Model Averaging in Causal Inference, in *Handbook of Bayesian Variable Selection*, (Edited by Tadesse MG and Vannucci M), Chapman & Hall, FL.
12. **Dominici F**, Zanobetti A, Schwartz J, Braun D, Sabath B, Wu X (2022) Addressing Adverse Health Effects of Long-Term Exposure to Low Levels of Ambient Pollution:

- Implementation of Causal Inference Methods. Research Report Health Effects Institute, Boston, MA.
13. **Dominici F** (2004) Time Series Analysis of Air Pollution and Mortality: A Statistical Review. Final Report on the Walter A. Rosenblith New Investigator Award, The Health Effects Institute, Cambridge, MA.
 14. **Dominici F**, Zanobetti A, Zeger SL, Schwartz J, Samet JM (2005) The National Morbidity, Mortality, and Air Pollution Study Part IV: Hierarchical Bivariate Time Series Models: A Combined Analysis of the Effects of Particulate Matter on Morbidity and Mortality, The Health Effects Institute, Cambridge, MA.
 15. 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.
 16. 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.
 17. University Committee on the Status of Women (2006) Vision 2020. Office of the Provost, Johns Hopkins University.
 18. 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.
 19. Committee on "The Utility of Proximity-Based Herbicide Exposure Assessment in Epidemiologic Studies of Vietnam Veterans." (2008) The National Academies of Science, Washington, DC.
 20. Committee on "Review of ATSDR's Great Lakes Report Drafts" (2008) Letter Report, The National Academies of Science, Washington, DC.
 21. Committee on "Secondhand Smoke Exposure and Cardiovascular Effects: Making Sense of the Evidence" (2009) The National Academies of Science, Washington, DC.
 22. Committee on "Long-Term Health Consequences of Exposure to Burn Pits in Iraq and Afghanistan" (2011) The National Academies of Science, Washington, DC.
 23. Committee on "Research Directions in Human Biological Effects of Low Level Ionizing Radiation", (2014) The National Academies, Washington, DC.
 24. 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>
 25. Wilson A, **Dominici F** (2016) Statistical Methods for Environmental Epidemiology, Chapman and Hall Handbook Series.
 26. **Dominici F**, Schwartz J, Di Q, Braun, Choirat C, Zanobetti A. Assessing Adverse

Health Effects of Long-Term Exposure to Low Levels of Ambient Air Pollution: Phase 1. [Res Rep Health Eff Inst.](#) 2019 Nov;(200):1-51.

OTHER:

1. **Dominici F**, Samet JM, Zeger SL (1999) Particulate Air Pollution and Daily Mortality: Combining Time series Information from Eight US Cities, Proceedings of Statistics Canada Symposium 99, Combining Data from Different Sources, Ottawa, Canada.
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, *American Journal of Epidemiology*, 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, Aug., 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*.
8. Cefalu M and **Dominici F**. (2016) Authors' response to Goldberg et al. "Does Exposure Prediction Bias Health-Effect Estimation? The Relationship Between Confounding Adjustment and Exposure Prediction." *Epidemiology* (to appear)
9. M. Benjamin Sabath, MA; Qian Di, ScD; Joel Schwartz, PhD; Danielle Braun, PhD; Francesca Dominici, PhD; Christine Choirat, PhD. Proceedings of the 5th IEEE International Conference on Data Science and Advanced Analytics. Presented at <https://dsaa2018.isi.it/home>, Oct 1-4 2018, Turin, Italy

ACTIVE GRANTS

- NIH
Causal Inference with Interference for Evaluating Air Quality Policies
Role: Co-Investigator
- P50MD010428 (Laden/ Levy) 07/24/2015-05/31/2020
NIH/NIMHD
Disparities in Exposure and Health Effects of Multiple Environmental Stressors Across the Life Course
Role: Co-Investigator
83615601 (Laden) 07/01/2015-06/31/2020
EPA
Disparities in Exposure and Health Effects of Multiple Environmental Stressors Across the Life Course
Role: Co-Investigator
4953-RFA14-3/16-4 (Dominici/Zanobetti) 02/01/2016 - 01/31/2020
HEI
Assessing Adverse Health Effects of Long-Term Exposure to Low Levels of Ambient Pollution
Role: PI
- 83587201-0 (Koutrakis) 12/01/2015 – 11/30/2020
EPA
Regional Air Pollution Mixtures: The Past and Future Impacts of Emission Controls and Climate Change on Air Quality and Health
Role: Co-Investigator
- DP2MD012722 (Rose) 09/01/2017-06/30/2022
NIH
Machine Learning for Health Outcomes and Quality of Care in Low-Income Populations
Role: Co-Investigator
- R01ES028033 (Laden)
NIH
Relationship Between Multiple Environmental Exposures and CVD Incidence and Survival: Vulnerability and Susceptibility
Role: PI
- R01MD012769 (Bell) 09/26/2017 – 06/30/2022
NIH
Environmental Health Disparities in an Older Population.
Role: Consortium PI
- 5R01AG060232 06/2019 – 04/2024
NIH
Disease Outcomes in Older adults under extreme Heat, Air pollution and Medication use (DO-NO-HARM)
Role: Consortium PI
- P30ES000002 (Weisskopf) 11/01/2020 – 10/31/2021
NIH/NIEHS
Air pollution, race, and health outcomes for COVID-19 in the United States: data science methods and dissemination
- 2020 Star Friedman Award 07/01/2020 – 06/30/2021
Harvard University
Air pollution, race, and health outcomes for COVID-19 in the United States: data access, methods, and dissemination

1R01ES030616 (Kioumourtzoglou) 03/2020 – 12/2024

NIH

Integrating air pollution prediction models: Uncertainty quantification and propagation in health studies

Role: Consortium PI

1R01AG066793 (Zanobetti) 04/2020 – 11/2025

NIH

National Cohort Studies of Alzheimer's Disease, Related Dementias and Air Pollution

Role: Co-Investigator

1R01ES029950 (Wellenius) 05/2020 – 10/2023

NIH

Evidence to improve heat warning effectiveness in reducing morbidity and mortality

Role: Co-Investigator

G-2020-13946 (Dominici) 09/2020 – 08/2023

Alfred P. Sloan Foundation

Causal Inference with Complex Treatment Regimes: Design, Identification, Estimation, and Heterogeneity

Role: PI

1RF1AG074372-01A1 (Patel, Dominici, Estiri) 06/2022 – 05/2025

NIH

The confluence of extreme heat/cold on the health and longevity of an Aging Population with Alzheimer's (and related Dementia)

Role: Co-PI

1R01MD016054-01A1 (Bell, Deziel) 07/2022 – 03/2027

NIH

Air Pollution, Heat, Cold, and Health: Disparities in the Rural South

Role: PD/PI

1R01ES 034373-01 (Zanobetti, Braun) 09/2022 – 07/2027

NIH

Characterizing the link between multiple environmental exposures and Parkinson's disease exacerbation

Role: MPI

1RF1AG080948 (Bell, Gill, Benmarhnia) 12/2022 – 11/2025

NIH

Susceptibility and adverse health outcomes related to climate-sensitive events among older Medicare beneficiaries with Alzheimer's and Dementia

Role: Co-PI

Project # NA (Dominici) 10/2022 – 09/2023

Harvard University

Data Science Methods and Tools for Climate Change Solutions

Role: PI

Project # NA (Dominici) 07/2018 – 06/2024

Fernholz Foundation

Advancing Data Science Research at the Harvard T.H. Chan School of Public Health

Role: PI

1U24ES035309 (Wellenius) 05/2023 – 04/2026

Curriculum Vitae: Francesca Dominici, Ph.D.

NIH
CAFÉ: a Research Coordinating Center to Convene, Accelerate, Foster, and Expand the Climate Change and Health Community of Practice
Role: MPI

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
Kaela Nelson: 2018-2019
Tara Ippolito: 2018-2019
Daniela Garcia: 2021
Sophie Woodward: 2022
Michelle Qin: 2022-2023
Daniela Garcia: 2023-2024
Leo Vanciu: 2023-2024

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
Tai Cai, PhD candidate, 2014-2017
Yeting Du, PhD candidate, 2016-2017 (not primary)
Joey Antonelli, PhD candidate, 2016-2017
Georgia Papadogeorgou, PhD candidate, 2014-2018
Emma Thomas, PhD candidate, 2017-2020
Shirley Liao, PhD candidate, 2018-2019
Xiao Wu, PhD candidate, 2017-2021
Irina Degtiar, PhD candidate, 2017-2021
Yue Yang, PhD candidate, 2020-Present
Jenny Lee, PhD candidate, 2020-Present
Michael Corks, PhD candidate, 2021-Present
Sophie Woodward: 2022-Present

Post-doctoral fellows in Biostatistics (Primary Advisor):

Yeonsung Chang, PhD, 2010-2011, Assistant Professor of Statistics, Seoul University
Yiping Dou, PhD, 2010, Scientist at Yahoo

Curriculum Vitae: Francesca Dominici, Ph.D.

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, Associate Professor of Statistics, UT Austin,
Matt Cefalu, PhD, 2013-2014, Rand
Jennifer F Bobb, PhD, 2011-2015, Associate Professor of Biostatistics,
Group Health Research Institute
Fei Jiang, PhD, 2013-2015, Assistant Professor of Statistics, University of South Carolina
Fred Cudhea PhD, 2013-2015, Research Scientist, Tufts University
Kyu Ha Lee, PhD, 2011-2015, The Forsyth Institute, Assistant Professor of Nutrition, HSPH
Danielle Braun PhD, 2013-2017, Senior Scientist, Biostatistics, HSPH
Ander Wilson, PhD, 2014-2017, Assistant Professor of Statistics, Colorado State University
Chanmin Kim PhD, 2014-2018, Assistant Professor of Statistics,
Sungkyunkwan University, South Korea
Joseph Antonelli PhD, 2015-2018, Assistant Professor of Statistics, University of Florida
Aaron Fisher PhD, 2016-2019, Data Scientist, Pfizer
Georgia Papadogeorgou PhD, 2017-2019, Assistant Professor of Statistics, University of Florida
Kwonsang Lee PhD, 2017-2019, Assistant Professor of Statistics
Sungkyunkwan University, South Korea
Rachel Nethery PhD, 2017-2019, Assistant Professor of Biostatistics, HSPH
Boyu Ren, PhD, 2017-2020, Assistant Professor of Biostatistics, McLean Hospital
Xiao Wu, PhD, 2021-2023, Assistant Professor of Biostatistics, Columbia Mailman School of

Public Health

Falco Bargagli Stoffi, 2020-Present
Kevin Josey, 2020-2023, Assistant Professor of Biostatistics, School of Public Health, University
of Colorado
Kate Hu, 2021-Present
Daniel Mork, 2021-Present
Mauricio Tec, 2022-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 Kioumourtoglou, PhD, Environmental Health, 2013
Mercedes Bravo, PhD, Yale School of Forestry and Environmental Studies, 2013
Memo-Cedeno Laurent, PhD, Environmental Health, 2014
Yan Wang, PhD, Environmental Health, 2017
Qian Di, PhD, Environmental Health, 2017
Jong Eun Rhee, Environmental Health, 2017

Other

Jason H. Wasfy, M.D., M.Phil, Massachusetts General Hospital, 2016
Recipient of the KL2/Catalyst Medical Research Investigator Training (CMeRIT) award

Final Oral Participation (PhD):

Kathie Dionisio, Environmental Health, 2011
Mariel Finucane, Biostatistics, 2011
Peter James, Epidemiology, 2012
Richard White, Biostatistics, 2012
Marianthi-Anna Kioumourtoglou, 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

Jason Wasfy, MD, MPhil, Massachusetts General Hospital, 2015

Xabier Adrian Garcia-De-Albeniz, MD, PhD, Harvard TH Chan School of Public Health, 2016

Peter James, ScD, Harvard TH Chan School of Public Health, 2016, 2021

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

Brooke Anderson, PhD, University of Colorado, 2017

Kelvin Fong, PhD, School of Forestry and Environmental Studies, Yale University, 2020, 2021

Seulkee Heo, PhD, School of Forestry and Environmental Studies, Yale, University, 2020

Rachel Nethery, PhD, Harvard TH Chan School of Public Health, 2020, 2021

Briana Stephenson, PhD, Harvard TH Chan School of Public Health, 2020, 2021

Whanhee Lee, PhD, School of the Environment Yale University, 2021

Hannah Correia, PhD, Harvard TH Chan School of Public Health, 2021

Isabel Fulcher, MD, Harvard Medical School, 2021

Robbie Parks, PhD, Columbia University, 2021

Ashley Buchanan, DrPH, Harvard TH Chan School of Public Health, 2021

Longxiang Li, PhD, DrPH, Harvard TH Chan School of Public Health, 2022

Yanguang Wei, PhD, DrPH, Harvard TH Chan School of Public Health, 2022