

BIOGRAPHICAL SKETCH

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| NAME Antonella Zanobetti | | POSITION TITLE Research Associate | |
| EDUCATION/TRAINING | | | |
| INSTITUTION AND LOCATION | DEGREE | YEAR | FIELD OF STUDY |
| University of Florence, Florence, Italy | BS | 1987 | Statistics |
| University of Florence, Florence, Italy | MS | 1993 | Statistics |
| University of Florence, Florence, Italy | PhD | 1999 | Applied Statistics |

A. Positions and Honors.

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|----------------|---|
| 1987 – 1992 | Statistical Analyst |
| 1992 – 1996 | Biostatistician, Department of Epidemiology, Biostatistics, and Environmental Epidemiology, Institute of Clinical Physiology, National Research Council of Pisa |
| 1997 – 2001 | Research Fellow, Environmental Epidemiology Program, Harvard School of Public Health |
| 2001 – Present | Research Associate, Environmental Epidemiology Program, Harvard School of Public Health. |

B. Selected peer-reviewed publications (in chronological order)

- Katsouyanni K., Schwartz J., Spix C., Touloumi G., Zmirou D., **Zanobetti A**, Wojtyniak B., Vonk JM., Sunyer J., Ponka A., Medina S., Bacharova L., Anderson R. "Short-term effects of Air Pollution on Health: A European Approach using epidemiologic time series data." *Journal of Epidemiology and Community Health*; vol. 50, Supplement 1; 1996.
- Zmirou D., Schwartz J., Saez M., **Zanobetti A**, Wojtyniak B., Touloumi G., Spix C., Ponce de Leon A., Le Moullec Y., Bacharova L., Schouten J., Ponka A., Katsouyanni K. "Time-series Analysis of Air Pollution and Cause-Specific Mortality". *Epidemiology*; vol. 9, 5:495-503; 1998.
- Rossi G., Vigotti MA., **Zanobetti A**, Repetto F., Gianelle V., Schwartz J. "Air Pollution and Cause Specific Mortality in Milan, Italy 1980-89". *Archives of Environmental Health*, vol. 54, 3:158-164; 1999.
- Anderson HR, Quenel P, Katsouyanni K, **Zanobetti A**, Sunyer J, Schouten JP, Wojtyniak B, Zmirou D, Bacharova L, Ponka A, Wichmann HE. Recommendations for the monitoring of short-term health effects of air pollution: lessons from the APHEA Multi Centre European Study. *Zentralbl Hyg Umweltmed*, 202(6):471-88; 1999.
- Zanobetti A** and Schwartz J. Race, gender and social status as modifiers of the effects of PM10 on mortality. *J Occup Environ Med*, 2000;42:469-74.
- Zanobetti A**, Wand MP, Schwartz J, and Ryan L. Generalized Additive Distributed Lag Models: Quantifying Mortality Displacement. *Biostatistics* 2000;1:279-292.
- Schwartz J and **Zanobetti A** Using meta-smoothing to estimate dose-response trends across multiple studies, with application to air pollution and daily death.. *Epidemiology* 2000;11(6):666-672.

- Zanobetti A**, Schwartz J, Gold DR. Are the sensitive subgroups for the health effects of airborne particles? *Environ Health Perspect*, 2000;108:841-845.
- Zanobetti A**, Schwartz J, Dockery DW. Airborne particles are a risk factor for hospital admissions for heart and lung disease. *Environ Health Perspect*, 2000;108:1071-1077.
- Samet JM, Zegar SL, Dominici F, Curriero F, Coursac I, Dockery DW, Schwartz J, **Zanobetti A**. The National Morbidity, Mortality, and Air Pollution Study Part II: Morbidity, Mortality, and Air Pollution in the United States. *Health effects Institute* 2000;94:1-84.
- Braga AL, **Zanobetti A**, Schwartz J. Do respiratory epidemics confound the association between air pollution and daily deaths? *Eur Respir J* 2000;16(4):723-8.
- Braga, Alfesio LF, Saldiva, Paulo HN, Pereira, Luiz AA, Menezes, Joaquim JC, Conceicao, Gleice MS, Lin, Chin A, Zanobetti,
- Antonella, Schwartz Joel, Dockery, Douglas W. Health Effects of Air Pollution on Children and Adolescents in Sao Paulo, Brazil *Pediatric Pulmonology* 2001, 31:106-113.
- Braga ALF, **Zanobetti A**, Schwartz J. The time course of weather related deaths. *Epidemiol*, 2001;12:662-667.
- Zanobetti A**, Schwartz J. Are diabetics more susceptible to the health effects of airborne particles? *Am J Resp Crit Care Med*, 2001,1;164:831-3.
- Janssen NA, Schwartz J, **Zanobetti A**, Suh HH. Air conditioning and combustion related particles as modifiers of the effect of PM10 on hospital admissions for heart and lung diseases. *Environ Health Perspect*, in press.
- Zanobetti A**, Schwartz J, Samoli E, Gryparis A, Touloumi G, Atkinson R, Le Tertre A, Bobros J, Celko M, Goren A, Forsberg B, Michelozzi P, Rabczenko D, Ruiz EA, Katsouyanni K. The Temporal Pattern of Mortality Responses to Air Pollution. *Epidemiol*, 2002; 13, 87-93.
- Samoli E Touloumi G, **Zanobetti A**, Le Tertre A, Schindler C, Atkinson R, Vonk J, Rossi G, Saez M, Rabczenko D, Schwartz J, and Klea Katsouyanni K. Investigating the dose-response relationship between air pollution and total mortality in the APHEA2 multicity project. *Occup Environ Med*, In Press.
- O'Neill MS, **Zanobetti A**, Schwartz J. Modifiers of the temperature and mortality association in seven US cities. *Am J Epidemiol*, 2003;157 (12): 1074-1082.
- Schwartz J, **Zanobetti A**, Bateson T (2003). Morbidity and mortality among elderly residents in cities with daily PM measurements. In *Revised Analyses of the National Morbidity, Mortality, and Air Pollution Study, Part II*. In: *Revised Analyses of Time-Series Studies of Air Pollution and Health*. Special Report, pp 25-58, Health Effects Institute, Boston.
- Gold DR, Schwartz J, Litonjua AA, Verrier R, **Zanobetti A** 2003. Ambient Pollution and Reduced Heart Rate Variability. In: *Revised Analyses of Time-Series Studies of Air Pollution and Health*. Special Report, pp 107-112. Health Effects Institute, Boston.
- Zanobetti A**, Schwartz J. 2003. Airborne particles and hospital admissions for heart and lung disease. In: *Revised Analyses of Time-Series Studies of Air Pollution and Health*. Special Report, pp 241-248. Health Effects Institute, Boston MA.
- Zanobetti A**, Schwartz J. 2003. Multicity assessment of mortality displacement within the APHEA2 project. In: *Revised Analyses of Time-Series Studies of Air Pollution and Health*. Special Report, pp 249-253. Health Effects Institute, Boston MA.