

Ho Kim, Ph.D.,

August 20th, 2017

Professor

Department of Biostatistics and Epidemiology,

Dean

School of Public Health, Seoul National University,

1 Kwanak-Ro, Kwanak-Gu, Seoul, Korea 151-742

Tel : 82-2-880-2711

Fax : 82-2-762-2888

Email : hokim@snu.ac.kr

URL : <http://hosting03.snu.ac.kr/~hokim>



Education

- 1996 Ph.D. in Biostatistics, University of North Carolina at Chapel Hill, USA
- 1990 M.S. Department of Statistics, Seoul National University, Republic of Korea
- 1988 B.S. Department of and Computer Science and Statistics, Seoul National University, Republic of Korea

Professional Career

- 2016 Dean, Graduate School of Public Health, Seoul National University
- 2009- Professor, Seoul National University
- 2011-2013 Associate Dean, Graduate School of Public Health, Seoul National University
- 2005-2006 Visiting Scholar, University of Washington, USA
- 2004-2009 Associate Professor, Seoul National University
- 2000-2004 Assistant Professor, Seoul National University
- 1998-2000 Senior Lecturer, Seoul National University, Republic of Korea
- 1997-1998 Senior Statistician, Frank Porter Graham Child Development Center, University of North Carolina at Chapel Hill, USA
- 1996-1997 Senior Statistician, PPD, Inc., NC, USA
- 1995-1996 Research Assistant, Collaborative Studies Coordinating Center, Department of Biostatistics, University of North Carolina at Chapel Hill, USA

Professional Society Memberships

American Statistical Association, International Society for Environmental Epidemiology, International Biometric Society (former Korean Region President), Korean Statistical Association, Korean Society for Public Health, Korean Society for Health Informatics and Statistics (President), Korean Society for Epidemiology (Vice-President), The Korean Society of Climate Change Research (Vice-President)

Editorial Boards & Editorial Services

Journal of Health Informatics and Statistics, Editor

Communications for Statistical Applications and Methods, Associate Editor

Environmental Health and Toxicology, Associate Editor

Journal of Preventive Medicine and Public Health, Statistical Editor

Research Interests

Climate change and its health effects, Air pollution epidemiology, Statistical methods in environmental epidemiology, Statistical consulting in public health and medical researches

Research Funding

Title	role	Funder	Amount
Health Impact assessment of Air pollution and Climate change	PI	National Research Foundation of Korea	USD 340K/year
Integrated Model for climate change adaptation: Health, Water, and Integrated Model	PI	MOE	USD 1.0 M/year
Climate change adaptation policies	PI	MOE	USD 340K/year

Economic analysis of Climate Change Adaptation Policies (co-PI) MOE

PM2.5 and transboundary pollutants and their health effects (Co-PI) National Research Foundation of Korea

Quality assurance for Community Health Survey (PI) Korean CDC

Research papers (selected from 200+ published papers) (in press)

(in press) Yuming Guo, Antonio Gasparri, Ben G. Armstrong, Benjawan Tawatsupa, Aurelio Tobias, Eric Lavigne, Micheline de Sousa Zanotti Stagliorio Coelho, Xiaochuan Pan, Ho Kim, Masahiro Hashizume, Yasushi Honda, Yue-Liang Leon Guo, Chang-Fu Wu, Antonella Zanobetti, Joel D. Schwartz, Michelle L. Bell, Matteo Scortichini, Paola Michelozzi, Kornwipa Punnasiri, Shanshan Li, Linwei Tian, Samuel David Osorio Garcia, Xerxes Seposo, Ala Overcenco, Ariana Zeka, Patrick Goodman, Tran Ngoc Dang, Do Van Dung, Fatemeh Mayvaneh, Paulo Hilario Nascimento Saldiva, Gail Williams, and Shilu Tong, "Heat Wave and Mortality: A Multicountry, Multicommunity Study" *Environmental Health Perspectives*

(in press) Whan-Hee Lee, Youn-Hee Lim, Tran Ngoc Dang, Xerxes Seposo, Yasushi Honda, Yue-Liang Leon Guo, Hye-Min Jang, and **Ho Kim***, "An Investigation on Attributes of Ambient Temperature and Diurnal Temperature Range on Mortality in Five East-Asian Countries", *Scientific Reports*

(in press) Chang-Fu Wu, Alistair Woodward, Ya-Ru Li, Haidong Kan, Rajasekhar Balasubramanian, Mohd Talib Latif, Mazrura Sahani, Tsun-Jen Cheng, Chia-Pin Chio, Nutta Taneepanichskul, Ho Kim, Chang-Chuan Chan, Seung-Muk Yi, Mellissa Withers, Jonathan Samet, "Regulation of fine particulate matter (PM_{2.5}) in the Pacific Rim: perspectives from the APRU Global Health Program", *Air Quality, Atmosphere & Health*

(in press) Sung Hee Hwang, Jae Young Lee, Seung-Muk Yi, **Ho Kim***, "Effects of particulate matter and its components on emergency room visits for cardiovascular and respiratory diseases" *PLOS ONE*

(in press) Cho SY, Lee YE, Doo KH, Lee JH, Jung WS, Moon SK, Park JM, Ko CN, Kim H, Rhee HY, Park HJ, Park SU, "Efficacy of combined treatment with acupuncture and bee venom acupuncture as an adjunctive treatment for Parkinson's disease" *Journal of Alternative and Complementary Medicine*

(in press) Jayeun Kim, **Ho Kim***, "The association of ambient temperature with incidence of cardiac arrhythmias in a short timescale" A correspondence, *International Journal of Biometeorology*

(in press) Kim MH, Kim YC, Lee JP, Kim H, Kim DK, Ryu DR, Han SS, Lee J, Kim Y, Kang SW, Cho JH, Kim Y, "Three-year income trends in Korean adults commencing hemodialysis: a prospective cohort", *Nephrology*

(2017.08)) Jae Young Lee, **Ho Kim***, Commentary: “Comprehensive assessment of climate change risks” *The Lancet Planetary Health* 2017, 1(5), Pages e166–e167 [https://doi.org/10.1016/S2542-5196\(17\)30084-0](https://doi.org/10.1016/S2542-5196(17)30084-0)

(2017.07) Jae Young Lee, Eun Ha Park, Sung Hee Lee, Gwangpyo Ko, Yasushi Honda, Masahiro Hashizume, Furong Deng, Seung-muk Yi, **Ho Kim***, “Airborne Bacterial Communities in the East Asian Countries of China, South Korea, and Japan” *Scientific Reports* | 7: 5545 | DOI:10.1038/s41598-017-05862-4

(2017.05) Yeonseung Chung, Heesang Noh, Yasushi Honda, Masahiro Hashizume, Michelle L. Bell, Yue-Liang Leon Guo, **Ho Kim***, “Temporal changes in mortality related to extreme temperatures for 15 cities in Northeast Asia: adaptation to heat and mal-adaptation to cold.” *American Journal of Epidemiology* 2017 May 15;185(10):907-913. doi: 10.1093/aje/kww199.

(2017.04) Jayeun Kim, **Ho Kim***, Demographic and environmental factors associated with mental health: A cross-sectional study, *International Journal of Environmental Research and Public Health* 2017, 14(4), 431; doi:10.3390/ijerph14040431

(2017.10) E-Jin Kim, **Ho Kim***, “Effect modification of individual- and regional-scale characteristics on heat wave-related mortality rates between 2009 and 2012 in Seoul, South Korea” *Science of the Total Environment* Volume 595, 1 October 2017, Pages 141–148 <http://dx.doi.org/10.1016/j.scitotenv.2017.03.248>

(2017.03) Hyewon Lee, Woojae Myung, Doh Kwan Kim, and **Ho Kim***, “Short-term air pollution exposure aggravates Parkinson’s disease in a population-based cohort” *Scientific Reports* 2017 Mar 16;7:44741, doi: 10.1038/srep44741

(2017.03) Jae Young Lee, Soo Hyun Lee, Sung-Chul Hong, **Ho Kim***, “Projecting future summer mortality due to ambient ozone concentration and temperature changes” *Atmospheric Environment*, Volume 156, May 2017, Pages 88–94, <http://dx.doi.org/10.1016/j.atmosenv.2017.02.034>

(2017.03) Jayeun Kim, **Ho Kim***, “Influence of ambient temperature and diurnal Short-term air pollution exposure aggravates Parkinson’s disease in a population-based cohort temperature range on incidence of cardiac arrhythmias”, *International Journal of Biometeorology*, March 2017, Volume 61, Issue 3, pp 407–416

(2017.03) Ana Maria Ortega-Villa, Inyoung Kim, and Ho Kim, “Semiparametric time varying coefficient model for matched case-crossover studies” *Statistics in Medicine* 2017 Mar 15;36(6):998-1013

- (2016.12) Hamdy F. F. Mahmoud, Inyoung Kim, and Ho Kim, "Semiparametric Single Index Multi Change Points Model with an Application of Environmental Health Study on Mortality and Temperature", *Environmetrics*, December 2016, Volume 27, Issue 8, pages 494–506,
- (2016.11) Yadav Prasad Joshi, Eun-hye Kim, Jong-Hun Kim, Ho Kim, Hae-Kwan Cheong, "Associations between meteorological factors and aseptic meningitis in six metropolitan provinces of the Republic of Korea" *International Journal of Environmental Research and Public Health* 2016 Nov 30;13(12). pii: E1193.
- (2016.10) Guo Y, Gasparrini A, Armstrong BG, Tawatsupa B, Tobias A, Lavigne E, Coelho MS, Pan X, Kim H, Hashizume M, Honda Y, Guo YL, Wu CF, Zanobetti A, Schwartz JD, Bell ML, Overcenco A, Punnasiri K, Li S, Tian L, Saldiva P, Williams G, Tong S. "Temperature variability and mortality: a multi-country study" *Environ Health Perspect* 124:1554–1559; <http://dx.doi.org/10.1289/EHP149>
- (2016.11) Kwon JW, Han YJ, Oh MK, Lee CY, Kim JY, Kim EJ, Kim H, Kim WJ, "Emergency Department Visits for Asthma Exacerbation due to Weather Conditions and Air Pollution in Chuncheon, Korea: A Case-Crossover Analysis", *Allergy Asthma Immunol Res.* 2016 Nov;8(6):512-21. doi: 10.4168/aa.2016.8.6.512.
- (2016.11) Lachlan McIver, Rokho Kim, Alistair Woodward, Simon Hales, Jeffery Spickett, Dianne Katscherian, Masahiro Hashizume, Yasushi Honda, Ho Kim, Steven Iddings, Jyotishma Naicker, Hilary Bambrick, Anthony J. McMichael*, and Kristie L. Ebi, "Health Impacts of Climate Change in Pacific Island Countries: A Regional Assessment of Vulnerabilities and Adaptation Priorities", *Environmental Health Perspectives* 2016 Nov;124(11):1707-1714. Epub 2015 Dec 8.
- (2016.11) Satbyul E Kim, Yasushi Honda, Masahiro Hashizume, Haidong Kan, Youn-Hee Lim, Hyewon Lee, Clara T Kim, Seung-Muk Yi, **Ho Kim***, "Seasonal analysis of the short-term effects of air pollution on daily mortality in Northeast Asia" *Science of the Total Environment* 2016 Nov 7;576:850-857. doi: 10.1016/j.
- (2016.09) Jae Young Lee, **Ho Kim***, "Projection of future temperature-related mortality due to climate and demographic changes", *Environment International* 2016 Sep;94:489-94. doi: 10.1016/j.envint.2016.06.007.
- (2016.08) Yoo KD, Kim CT, Kim MH, Noh J, Kim G, Kim H, An JN, Park JY, Cho H, Kim KH, Kim H, Ryu DR, Kim DK, Lim CS, Kim YS, Lee JP." Superior outcomes of kidney transplantation compared with dialysis: An optimal matched analysis of a national population-based cohort study between 2005 and 2008 in Korea", *Medicine* 2016 Aug;95(33):e4352. doi: 10.1097/MD.0000000000004352.
- (2016.07) Lim YH, Reid CE, Honda Y, Kim H "Temperature deviation index and elderly mortality in Japan" *International Journal of Biometeorology* 2016 60(7) pp991-998
- (2016.10) Jayeun Kim, Khyuhyun Yoon, Jay Chol Choi, Ho Kim, Jung-Kook Song, "The Association between Wind-Related Variables and Stroke Symptom Onset: A Case-Crossover Study on Jeju Island" *Environmental Research* 150(2016) 97-105.
- (2016.05) Antonio Gasparrini,* Yuming Guo, Masahiro Hashizume, Eric Lavigne, Aurelio Tobias, Antonella Zanobetti, Joel D. Schwartz, Michela Leone, Paola Michelozzi, Haidong Kan, Shilu Tong, Yasushi Honda, Ho Kim, Ben G. Armstrong, "Changes in susceptibility to heat within the summer: a multi-country analysis" *American Journal of Epidemiology* (2016) 183 (11): 1027-1036. doi: 10.1093/aje/kwv260

(2016.05) Chen BY, Chen CH, Chuang YC, Kim H, Honda Y, Chiang HC, Guo YL., "Schoolchildren's antioxidation genotypes are susceptible factors for reduced lung function and airway inflammation caused by air pollution." *Environ Res.* 2016 May 18;149:145-150. doi: 10.1016/j.envres.2016.05.007.

(2016.05) Whan Hee Lee; Jee-Young Choo; Ji-Young Son; **Ho Kim***, "Association between long-term exposure to air pollutants and prevalence of cardiovascular diseases in 108 communities of South Korea in 2008-2010: a cross-sectional study", *Science of the Total Environment* 565 (2016) 271–278.

(2016.04) Kim Y, Kim H, Hong YC, "Transmission of energy-saving efficiency from obese parents to their offspring: the Korean National Health and Nutrition Examination Survey 2007-2011." *Eur J Clin Nutr.* 2016 Apr;70(4):511-6. doi: 10.1038/ejcn.2015.172. Epub 2015 Oct 7.

(2016.03) Chang HY, Suh DI, Yang SI, Kang MJ, Lee SY, Lee E, Choi IA, Lee KS, Shin YJ, Shin YH, Kim YH, Kim KW, Ahn K, Won HS, Choi SJ, Oh SY, Kwon JY, Kim YH, Park H, Lee KJ, Jun JK, Yu HS, Lee SH, Jung BK, Kwon JW, Choi YK, Do N, Bae YJ, Kim H, Chang WS, Kim EJ, Lee JK, Hong SJ. "Prenatal maternal distress affects atopic dermatitis in offspring mediated by oxidative stress", *J Allergy Clin Immunol.* 2016 Mar 23. Vol. 138, Issue 2, p468–475.e5

(2016.02) Kim J, Kim JH, Cheong HK, Kim H, Honda Y, Ha M, Hashizume M, Kolam J, Inape K, "Effect of Climate Factors on the Childhood Pneumonia in Papua New Guinea: A Time-Series Analysis", *Int J Environ Res Public Health.* 2016 Feb 15;13(2). pii: E213. doi: 10.3390/ijerph13020213.

(2016.01) Li YR, Feng LT, Chen BY, Kim H, Yi SM, Guo YL, Wu CF, "Association of urban particle numbers and sources with lung function among children with asthma or allergies" *science of Total Environ* 2016 Jan 15;542(Pt A):841-4. doi: 10.1016/j.scitotenv.2015.10.098..

(2016.03) Oh YJ, Cha RH, Lee SH, Yu KS, Kim SE, Kim H, Kim YS. "Validation of the Korean coefficient for the modification of diet in renal disease study equation." *Korean J Intern Med.* 2016 Mar;31(2):344-56. doi: 10.3904/kjim.2015.227. Epub 2016 Jan 13.

(2016.01) Kim Y, **Kim H***, Honda Y, Guo YL, Chen BY, Woo JM, Ebi KL. "Suicide and Ambient Temperature in East Asian Countries: A Time-Stratified Case-Crossover Analysis", *Environ Health Perspect.* 2016 Jan;124(1):75-80. doi: 10.1289/ehp.1409392. Epub 2015 Jun 12