

DOHYEONG KIM, Ph.D.

Associate Professor
Public Policy and Political Economy Program
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Education:

Ph.D. in City and Regional Planning, August 8th, 2007, University of North Carolina at Chapel Hill, NC, USA,
Major field of study: Health Planning and Policy.

Dissertation title: Strategy for determining vaccination user fees and locations: A case study in rural China,
under the direction of Prof. Dale Whittington (funded by the Bill and Melinda Gates Foundation)

M.A. in Public Administration, August 25th, 1999, Yonsei University, Seoul, Korea,
Major field of study: Health/Environmental Policy and Management

Thesis title: Estimating the damage of public hazardous facilities using the contingent valuation method: The
case of a waste incineration site in Seoul, Korea, under the direction of Prof. Jong Soo Lee (funded by the SBS
Seoam Scholarship Foundation)

B.A. in Public Administration, February 23rd, 1996, Yonsei University, Seoul, Korea (Magna Cum Laude)

Employment:

Associate Professor, August 2013 – present (granted tenure in September 2015), Public Policy, Political
Economy, and Geographic Information Sciences Programs, School of Economic, Political and Policy Sciences,
University of Texas at Dallas, Richardson, TX, USA

Assistant to Associate Professor, August 2008 – July 2013, Department of Public Administration, North
Carolina Central University, Durham, NC, USA

Post-doctoral Research Associate, July 2005 – August 2008, Children's Environmental Health Initiative,
Nicholas School of the Environment, Duke University, Durham, NC, USA

Research/Teaching Assistant, August 2000 – May 2005, Department of City and Regional Planning, University of North Carolina, Chapel Hill, NC, USA

Researcher, October – December 1999, Regional Economies Division, Korea Research Institute for Human Settlements, Anyang, Korea

Research/Teaching Assistant, March 1997 – August 1998, Department of Public Administration, Yonsei University, Seoul, Korea

Professional Recognitions and Honors:

Outstanding Teaching Comet Award, 2014 (Winner), 2015, 2016 (Honorable Mention), School of Economic, Political, and Policy Sciences, The University of Texas at Dallas

Research Travel Award, October 2012, NCCU Foundation, Inc.

Research Fellow, July 2011 – July 2012, Institute for Poverty Alleviation and International Development

Faculty Development Award, February 2011, Office of International Affairs, North Carolina Central University

Finalist for the Award for Teaching Excellence, January 2011, North Carolina Central University

Preparing Future Faculty Fellow, August 2007 – May 2008, Duke University Graduate School

New Investigators in Global Health (NIGH) Award, May 2008, Global Health Council

Graduate Student Travel Award, October 2004, Graduate School, UNC at Chapel Hill

Student Travel Award, November 2002, Consortium on Development Studies

Scholarship for the Economics of Urban Sprawl and Land Use Change, June 2002, Donald Bren School of Environmental Science and Management, University of California at Santa Barbara

Superior Graduate Student Award, May 1998 – August 1999, SBS Seo-Am Academic Foundation

Undergraduate Scholarships of Academic Excellence, 1990 -1996, Yonsei University

Professional Memberships:

American Public Health Association

American Society for Public Administration

Korean Association for Public Administration

International Society for Crisis and Emergency Management

Korean Association for Policy Studies

Association of American Geographers

Association of Public Policy Analysis and Management

Association of Collegiate Schools of Planning

Global Health Council

Scholarly Publications: (654 citations as of January 2018)
(*graduate student)

Peer-reviewed articles

1. **Kim, D.**, Zhang Y.*, Lee C., 2017, "Understanding needs and barriers to using geospatial tools for public health decision making in China," *Geospatial Health*, in press.
2. Lee, E., Lee C., **Kim D.**, 2017, "Factors affecting on the citizens' crisis perception: the case of Namyangju City in Korea," *Journal of Engineering and Applied Sciences*, in press.
3. **Kim, D.**, Brown Z., Anderson R., Mutero, C., Miranda, M.L., Wiener, J., Kramer R., 2017, "The value of information in decision-analytic modeling for malaria control in Africa," *Risk Analysis*, 37(2):231-244.
4. **Kim, D.**, Seo D., Lee C., 2016, "Food deserts in Korea? A GIS analysis of food consumption patterns at the sub-district level in Seoul using the KNHANES 2008-2012 data," *Nutrition Research and Practice*, 10(5):530-536.
5. Shim, E., **Kim D.**, Woo H., Cho Y., 2016, "Designing a sustainable noise mapping system based on citizen scientists' smartphone sensor data," *PLOS ONE*, 11(9):e0161835.
6. **Kim, D.**, Malabika S., Vyas P.*, 2016, "Role of spatial tools in public health policymaking of Bangladesh: opportunities and challenges," *Journal of Health, Population and Nutrition*, 35(1):8.
7. Bae, K.*, **Kim D.** (corresponding author), 2016, "The impact of decoupling of telework on job satisfaction in U.S. federal agencies: does gender matter?," *American Review of Public Administration*, 46(3):356-371.
8. Seo S., **Kim D.** (corresponding author), Min S.*, Paul C.*, Yoo Y., Choung J., 2016, "GIS-based association between PM₁₀ and allergic diseases in Seoul: implications for health and environmental policy," *Allergy, Asthma and Immunology Research*, 8(1):32-40.
9. Wigfall, P., **Kim D.**, 2016, "Going up in Smoke: Constructing, Thorough Policy, Smoking and Tobacco Production Waste as an Environmental Pollution Problem," *Journal of Safety and Crisis Management*, 6(1):27-33.
10. Kim, T., Hwang S., Seo S., **Kim D.**, 2015, "A study on developing cloud system for local governments," *Journal of Korean Association for Regional Information Society*, 18(1):85-107.
11. Wigfall, P., **Kim D.**, 2014, "A new direction in addressing the crisis in health care service delivery: a study of local intervention model," *Journal of Safety and Crisis Management*, 4(2):48-59.
12. **Kim D.**, Yang, G., Min S.*, Koh C., 2014, "Social and ecological impact of the Hebei Spirit Oil Spill on the west coast of Korea: implications for compensation and recovery," *Ocean & Coastal Management*, 102:533-544.

13. **Kim, D.**, Lauria D.T., Whittington D., 2014, "Selecting optimal prices and outpost locations for rural vaccination campaigns," *International Regional Science Review*, 37:436-458.
14. Seo, S., **Kim D.** (corresponding author), Paul C.*, Yoo Y., Choung J., 2014, "Exploring household-level risk factors for self-reported prevalence of allergic diseases among low-income households in Seoul, Korea," *Allergy, Asthma & Immunology Research*, 6(5):421-427.
15. **Kim, D.**, Lauria D.T., Poulos C., Dong B., Whittington D., 2014, "Effect of travel distance on household demand for typhoid vaccines: Implications for planning," *International Journal of Health Planning and Management*, 29(3):e261-276.
16. Lee, Y.*, **Kim D.**, 2014, "Image Restoration Strategies Used in Public Apologies by President Lee MB and Park GH in Korea," *Journal of the Korean Association for Crisis and Emergency Management*, 6(1):1-18.
17. **Kim D.**, 2013, "Improving alternative designs for discrete choice models in estimating willingness-to-pay for public services," *Journal of Safety and Crisis Management*, 3(2):1-20.
18. **Kim, D.**, Fedak C.*, Kramer R., 2012, "Reduction of malaria prevalence by indoor residual spraying: A meta-regression analysis," *American Journal of Tropical Medicine and Hygiene*, 87(1):165-170.
(published as a featured article and widely circulated through the media)
19. Poulos, C., Riewpaiboon A., Stewart J.F., Clemens J., Guh S., Agtini M., Sur D., Islam Z., Lucas M., Whittington D., Nyamete A., Malik R., Nadjib M., Chatterjee S., Macumule A., Maskery B., Cook J., **Kim D.**, Lauria D., Jeuland M., 2012, "Cost of illness due to endemic cholera," *Epidemiology and Infection*, 18:1-10.
20. **Kim, D.**, Miranda M.L., Tootoo J.L., Bradley P., Gelfand A., 2011, "Spatial modeling for groundwater arsenic levels in North Carolina," *Environmental Science & Technology*, 45(11):4824-4831.
21. Campbell, K.R.*, Lawson T.*, **Kim, D.** (corresponding author), 2011, "Eradication of food deserts through public policy: Case of Durham, North Carolina," *Journal of Safety and Crisis Management*, 1(2):23-30.
22. **Kim, D.**, 2011, "Saving national heritage: cost-benefit analysis for policy alternatives of protecting Cape Hatteras Lighthouse in North Carolina," *Journal of Safety and Crisis Management*, 1(1):17-34.
23. Poulos, C., Riewpaiboon A., Stewart J., Clemens J., Guh S., Agtini M., Anh D., Dong B., Bhutta Z., Sur D., Whittington D., Nyamete A., Malik R., Nadjib M., Yanning G., Canh D., Thiem D., Yen B., Maskery B., Cook J., **Kim D.**, Lauria D., Jeuland M., Chatterjee S., 2011, "Cost of illness due to typhoid fever in five Asian countries," *Tropical Medicine & International Health*, 16(3):314-323.
24. Miranda, M.L., Maxson P., **Kim D.**, 2010, "Early childhood lead exposure and exceptionality designations for students," *International Journal of Child Health and Human Development*, 3(1):77-84.
25. Miranda, M.L., **Kim D.**, Reiter J., Overstreet A., Maxson P., 2009, "Environmental contributors to the achievement gap," *Neurotoxicology*, 30:1019-1024.
26. Koo, J., Bae J., **Kim D.**, 2009, "What does it take to become a biotech hot spot?" *Environment and Planning C: Government and Policy*, 27:665-683.

27. **Kim, D.**, Overstreet M.A., Hull A., Miranda M.L., 2008, "A framework for widespread replication of a highly spatially resolved childhood lead exposure risk model," *Environmental Health Perspective*, 116(12):1735-1739.
28. Dong, B., Wu X., Yang J., Gong J., Wu X., Poulos C., **Kim D.**, Nyamete A., Clemens A., 2008, "Study on willingness to pay for typhoid Vi vaccine in Lingchuan County, Guangxi Zhuang Autonomous Region," *Chinese Journal of Vaccines and Immunization*, 14(6):481-484.
29. **Kim, D.**, Canh D.G., Poulos C., Thoa L.T.K., Cook J., Hoa N.T., Nyamete A., Thuy D.T.D., Deen J., Son N.D., Clemens J., Thiem V.D., Anh D.D., and Whittington D., 2008. "Private demand for cholera vaccines in Hue, Vietnam," *Value in Health*, 11(1):119-128.
30. Miranda, M.L., Keating M., **Kim D.**, Hull A.P., Paul C.J., Overstreet M.A., 2007, "Blood lead and water treatment: Miranda et al. respond," *Environmental Health Perspective*, 115(10):A488-A489.
31. Miranda, M.L., **Kim D.**, Overstreet M.A., Paul C.J., Hull A.P., Morgan S.P., 2007, "The relationship between early childhood blood lead levels and performance on end of grade tests," *Environmental Health Perspective*, 115(8):1125-1160. (published as a featured article)
32. Miranda, M.L., **Kim D.**, Hull A.P., Paul C.J., Overstreet M.A., 2007, "Changes in blood lead levels associated with use of chloramines in water treatment systems," *Environmental Health Perspectives*, 115(2):221-225.
33. Canh, D.G., Whittington D., Thoa L.T.K., Utomo N., Hoa N.T., Poulos C., Thuy D.T.D., **Kim D.**, Nyamete A., and Acosta C., 2006, "Household Demand for Typhoid Fever Vaccines in Hue, Vietnam," *Health Policy and Planning*, 21(3):241-255.

Peer-reviewed book chapters

34. **Kim, D.**, Kim H., 2017, "Conflict Management using Public Participation GIS (PPGIS): The Case of Locating Undesirable Public Facilities in South Korea" in *Korean Cases in Public Administration for Training and Practice II*, Korean Institute of Public Administration (KIPA) Case Study Series 2, Daeyoung Moonhwas Publishing Co., in press.
35. **Kim, D.**, 2017, "Public Health Crisis in South Korea: Policy Failure or Social Trust?" in *Korean Cases in Public Administration for Training and Practice I*, Korean Institute of Public Administration (KIPA) Case Study Series 1, Daeyoung Moonhwas Publishing Co., pp.193-225.

Published research reports

36. Malaria Decision Analysis Support Tool (MDAST): Evaluating health, social and environmental impacts and policy tradeoffs, Project Implementation Report, June 2013. (with Kramer R. et al.)
37. Malaria Decision Analysis Support Tool (MDAST): Evaluating health, social and environmental impacts and policy tradeoffs: User Manual, June 2013. (with Brown Z. et al.)
38. Lessons from other countries on social cohesion: in preparation for North-South Korean cultural community after reunification, Ministry of Culture, Sports and Tourism in Korea, December 2012. (with Lee W. et al.)

39. The impact of early childhood lead exposure on educational test performance among Connecticut schoolchildren, Phase I Report, Durham, NC: Children's Environmental Health Initiative, Duke University, February 2011. (with Miranda M.L. et al.)
40. The impact of information and communication technologies on employment environment in the U.S., National Information Society Agency, NIA II-PER-10002, August 2010. (with Kim Y. et al)
41. A targeted screening policy for preventing childhood lead poisoning, Seoul Metropolitan Council, January 2010. (with Choi J. et al)
42. Lead hazards in housing: Childhood lead exposure in Washington's communities, Community, Trade, and Economic Department, State of Washington, United States, December 2005. (with Bergman et al)
43. Willingness-to-pay for typhoid fever vaccines for adults and children in Guilin, China, Report to International Vaccine Institute, November 2005. (with Poulos, C. et al.)

Articles under review or revision

1. Jang, Y.*, **Kim, D.**, Kim, D., Park J., "Conditional effects of open-street closed-circuit television (CCTV) on crime: a case from Korea," *International Journal of Law, Crime and Justice*, revise and resubmit.
2. Wi, C., Wheeler P., Kaur H., Ryu E., Patel R., **Kim D.**, Juhn Y., "Spatio-temporal comparison of pertussis outbreaks in Olmsted County, Minnesota, 2004-5 and 2012: a population-based study, *BMJ Open*, under review.
3. Venkatraman, C., Idowu A., Idris J., Kim H.*, **Kim D.**, Nwariaku F., "When policy meets the pedal: a reduction in motorcycle deaths in Lagos, Nigeria," *International Journal of Injury Control and Safety Promotion*, under review.
4. Vyas, P.*, **Kim, D.**, Adams A., "Understanding spatial and contextual factors influencing intra-regional differences in child vaccination coverage in Bangladesh," *Health Policy and Planning*, under review.
5. **Kim, D.**, Seo, S., Min S.*, Simoni Z., Choung J., "A closer look at the bivariate association between ambient air pollution and allergic diseases: the role of spatial analysis," *Environmental Health Perspective*, under review.
6. Yang G., **Kim, D.**, Pham A.*, Paul C., "A meta-regression analysis of the effectiveness of mosquito nets for malaria control: the value of long-lasting insecticide nets," *International Journal of Environmental Research and Public Health*, under review.

Works in progress

7. **Kim, D.**, Cho S., "Demand-based emergency dispatch system: role of geospatial big data and machine learning," in preparation for *Geospatial Technologies for Urban Health*, edited by Lu Y. and Delmelle E., Basel, Switzerland: Springer International Publishing AG.

8. Cease, B.*, Kim H.*, **Kim D.**, Ko Y., Cappel C., "Who gives? Investigating barriers and incentives for the expansion of LEED-ND development," in preparation for *Journal of the American Planning Association*.
9. Lee C., Kim, H.*, **Kim, D.**, "Healthy voting or voting for health? The bi-directional relationship between voter turnout and population health status in the OECD countries," in preparation for submission to *Global Health Action*.
10. Kim H.*, **Kim D.**, Lee C., "Spatial allocation of hospitals with negative pressure isolation rooms in Korea: Are we ready for the next outbreak?", in preparation for submission to *International Journal of Health Planning and Management*.
11. **Kim, D.**, Maxwell, S., Le Q.*, "Google trends analysis for Lyme disease with basic mapping," in preparation for submission to *Clinical Infectious Diseases*.
12. Min, S.*, **Kim D.**, Lee C., "Risk factors for residential fire injuries and barriers to fire service accessibility," in preparation for submission to *Injury*.
13. **Kim D.**, Cho S., Seo S., "A spatiotemporal big data approach for linking pulmonary functioning test results with air pollutants concentrations: are asthma attacks predictable?" in preparation for submission to *Allergy*.
14. Cho, S., **Kim D.**, Ban Y., "Urban safety through spatiotemporal big data: linking the digital tachograph with traffic accidents," in preparation for submission to *Risk Analysis*.
15. Pham, A., **Kim D.**, "Exploring Determinants for Recruitment and Retention of Family Doctors for Rural Practice in Vietnam: Lessons from a Discrete Choice Experiment," in preparation for submission to *Social Science and Medicine*.
16. Vyas, P., **Kim, D.**, "Approaches to measure spatial inequity in tobacco retailers density," in preparation.

Invited Presentations:

International meetings

1. **Kim, D.**, "Strategies for protecting vulnerable population in response to large-scale disasters: lessons from the U.S.", 4th International Forum for Disaster Management, National Disaster Relief Association, Incheon, Korea; August 2017.
2. **Kim, D.**, "Emergency management and education programs for disaster-vulnerable population: lessons from the U.S.," Invitational Workshop on the Disaster Vulnerable and Disaster Safety Experiencing Facility, Kobe, Japan; July 2017.
3. **Kim, D.**, "GIS for disaster management? implications for health policy in Korea", Invitational Seminar, Korea University, Seoul, Korea; July 2017.

4. **Kim, D.**, “GIS-based spatial analysis for disaster management: implications for environmental health policy”, Invitational Seminar, National Disaster Management Research Institute, Ulsan, Korea; July 2017.
5. **Kim, D.**, “Spatial approaches for disaster management and environmental health policy”, Special Lecture, Incheon National University, Incheon, Korea; June 2017.
6. **Kim, D.**, “Bayesian approach for urban research,” Special Lecture, Chungbuk National University, Cheongju, Korea; December 2016.
7. **Kim, D.**, “Spatial approach to address environmental and health risks: implications for local governments,” Special Lecture, Chungcheongnam Provincial Government, Hongseong, Korea; December 2016.
8. **Kim, D.**, “Suggestions for health policy evaluation in Korea: case of infectious diseases,” Invited Workshop, Korean Institute for Health and Social Affairs, Seoul, Korea; December 2016.
9. **Kim, D.**, “Multifaceted factors of urban policy: environmental impact on crime and health,” Special Lecture, Incheon National University, Incheon, Korea; December 2016.
10. **Kim, D.**, “Food and drugs risk management policy trends,” Keynote Address at the 3rd International Symposium on Food and Drug Safety Emergency Response, Organized by the Ministry of Food and Drug Safety, Seoul, Korea; September 2016.
11. **Kim, D.**, “Uncovering the impact of PM₁₀ on allergic diseases: roles of spatial analysis,” Special Lecture, Cheongju City Library, Cheongju, Korea; July 2016.
12. **Kim, D.**, “GIS-based association between PM₁₀ and allergic diseases in Seoul: implications for health and environmental policy,” Special Lecture, Incheon National University, Incheon, Korea; June 2016.
13. **Kim, D.**, “Suggestions for public health policy in Korea: lessons learned from U.S. response to Ebola outbreak,” Special Lecture, Korea Policy Forum, Seoul, Korea; December 2015.
14. **Kim, D.**, “Value of information in decision-analytic modeling for evidence-based urban policy,” Special Lecture, Incheon National University, Incheon, Korea; December 2015.
15. **Kim, D.**, “Events, accidents and crisis management trends of medicine and medical products,” 2nd International Symposium on Food and Drug Safety Emergency Response, Seoul, Korea; September 2015.
16. **Kim, D.**, “GIS-based statistical modeling for environmental health,” Graduate School of Public Health, Seoul National University, Seoul, Korea; September 2015.
17. **Kim, D.**, “MERS in Korea vs. Ebola in the U.S.,” Special Talk at National Assembly Research Services, Seoul, Korea; July 2015
18. **Kim, D.**, “Strengthening social safety network by developing public health infrastructure, Policy Seminar, Cheongju City, Korea; July 2015

19. **Kim, D.**, “Use of spatial analysis for evidence-based decision making in public policy,” Special Lecture at Seokdang Honors College, Dong-A University; July 2015
20. **Kim, D.**, “Differences-in-differences analysis,” Methodology Workshop, Kyonggi University; June 2015
21. **Kim, D.**, “Healthy city as a future city,” Special Lecture, Incheon National University; June 2015
22. **Kim, D.**, “Global Health Policy: Challenges and Opportunities,” Keynote Presentation, Korea Policy Forum, Seoul, Korea; December 2014.
23. **Kim, D.**, “Multidisciplinary approach to developing policy tools to address global health crisis,” Keynote Presentation, International Conference for Crisis and Emergency Management (ICCEM), Porto, Portugal; October 2014.
24. **Kim, D.**, “Multidisciplinary approach to developing policy tools to reduce global health disparities”, Special Talk at Graduate School of Public Administration, Seoul National University, Seoul, Korea; July 2014.
25. **Kim, D.**, “Evidence-based decision making under uncertainty: the case of health policy”, Special Talk at Hanyang University, Seoul, Korea; July 2014.
26. **Kim, D.**, “Value of information in decision-analytic modeling for evidence-based health policy”, Yonsei International Symposium, Yonsei University, Seoul, Korea; June 2014.
27. **Kim, D.**, “Improving alternative designs for discrete choice models in estimating willingness-to-pay for public services,” International Conference for Crisis and Emergency Management (ICCEM), Cheongju, Korea; October 2013.
28. **Kim, D.**, “Decision-analytic evidence-based policy making for complex environmental health crisis”, Keynote lecture, Annual Conference of the Korean Association for Crisis and Emergency Management, Dong-Eui University, Busan, Korea; July 2013.
29. **Kim, D.**, “Multidisciplinary approach for water and environmental health: changes in blood lead levels associated with use of chloramines in water treatment systems”, Department of Environmental Engineering, Chungnam National University, Daejeon, Korea; July 2013.
30. **Kim, D.**, “Building a healthy and eco-friendly city using environmental health policies: the case of U.S.”, Korean Foundation for Environmental Movement for Chungbuk, Cheongju City Hall, Cheongju, Korea; March 2013.
31. **Kim, D.**, “Food deserts in Korea: improving healthy food accessibility through public policy”, Keynote presentation at the 7th Michuhal Urban Forum, Urban Development Institute (UDI), Incheon National University, Incheon, Korea; March 2013.
32. **Kim, D.**, “Use of GIS and spatial analysis for health policy”, Graduate School of Public Health, Seoul National University, Seoul, Korea; July 2012.
33. **Kim, D.**, “Spatial modeling for groundwater arsenic levels”, K-Water, Daejeon, Korea; July 2012.

34. **Kim, D.**, “Evidence-based health policy using GIS and spatial modeling”, Weekly Grand Round Seminar, Korea Centers for Disease Control and Prevention, Osong, Korea; July 2012.
35. **Kim, D.**, “Decision analysis and value of information analysis”, Methodology Colloquium, Institute of Government Studies, Korea University, Seoul, Korea; July 2012.
36. **Kim, D.**, “Application of Quantum GIS for climate research”, Workshop on the Better Way to Use Weather and Climate Information, Pukyung National University, Busan, Korea; July 2012.
37. **Kim, D.**, “GIS, Quantum GIS, and spatial analysis: application for urban policy”, Special lecture at the 5th Michuhall Urban Forum, Urban Development Research Institute, Incheon National University, Incheon, Korea; June 2012.
38. **Kim, D.**, “Training workshop on Quantum GIS: construction, mapping and analysis of spatial data”, Special methodology workshop at the Korean Association for Crisis and Emergency Management (KACEM) summer conference, Incheon National University, Incheon, Korea; June 2012.
39. **Kim, D.**, “Crisis management for saving public goods: Cost-benefit analysis perspective,” Department of Public Administration, Chungbuk National University, Cheongju, Korea; December 2011.
40. **Kim, D.**, “Analyzing environmental risks and benefits of environmental quality improvement,” Department of Public Administration, Chungbuk National University, Cheongju, Korea; July 2011.
41. **Kim, D.**, “A decision analytic approach to evidence-based malaria control in Africa,” Institute for Poverty Alleviation and International Development, Yonsei University, Wonju, Korea; July 2011.
42. **Kim, D.**, “GIS applications in environmental health research,” Institute for Occupational and Environmental Health, Korea University, Seoul, Korea; July 2011.
43. **Kim, D.**, “Spatial modeling for informed decision-making in environmental health policy,” Graduate School of Public Administration, Seoul National University, Seoul, Korea; July 2011.
44. Choi, J., **Kim D.**, “A Study on developing a targeted screening policy for preventing childhood lead poisoning in Seoul,” Final Report Presentation to Seoul Metropolitan Council, Seoul, Korea; February 2010.
45. **Kim, D.**, Kramer R., “A decision analytic approach to assessing policy tradeoffs in malaria control in Liberia” UL-PIRE (University of Liberia - Pacific Institute for Research and Evaluation) Africa Center, Monrovia, Liberia; May 2009.
46. **Kim, D.**, “Policy tools to reduce health disparities: from global to local perspective,” Institute of Urban Affairs, Yonsei University, Seoul, Korea; April 2009.
47. **Kim, D.**, “GIS as a decision-making tool for community public health policy,” National Crisis & Emergency Management Research Institute, Chungbuk National University, Cheongju, Korea; April 2009.
48. **Kim, D.**, “Economics and the DOMI agenda: Beyond cost-effectiveness calculation,” Diseases of the Most Impoverished (DOMI) Symposium, 10th Asian Conference on Diarrhoeal Diseases and Nutrition, ICDDR-B, Dhaka, Bangladesh; December 2003.

Domestic meetings

49. **Kim, D.**, “Evaluating Heinrich’s Law Using the Digital Tachograph in Seoul: Are Traffic Accidents Predictable?”, 3rd CGG Global Health & Safety Symposium, Richardson, TX; January 2018.
50. **Kim, D.**, “Expressing yourself across cultures”, Panelist at the Graduate Professional Week, The UTD Office of Graduate Studies, Richardson, TX; October 2016.
51. **Kim, D.**, “Geospatial approach to developing policy tools to address global health concerns,” Breakout Session at the 5th Annual Global Health Symposium, UT Southwestern Medical Center, Dallas, TX; January 2016.
52. **Kim, D.**, “Experiencing Dallas as a future city: technology, culture and governance,” Opening Lecture for International Internship for Incheon National University, University of Texas at Dallas, Richardson, TX; February 2015.
53. **Kim, D.**, “Using decision analysis and spatial analysis for health policymaking in Africa and Bangladesh,” Guest Lecture in the Health and Illness Class (SOC 6356), University of Texas at Dallas, Richardson, TX; April 2014.
54. **Kim, D.**, “Teaching public policy in the global context”, Panelist at a Multidisciplinary Symposium, North Carolina Central University Global Social Entrepreneurship Initiative, Research Triangle Park, NC; March 2013.
55. **Kim, D.**, “Integrative use of health information for informed decision making for health policy”, Duke/UNC/NCCU Joint Health Informatics Seminar Series, Duke Center for Health Informatics (DCHI), Durham, NC; February 2013.
56. **Kim, D.**, “Decision-analytic modeling for information-based malaria control”, American Society for Information Science and Technology, North Carolina Central University Student Chapter, Durham, NC; November 2012.
57. **Kim, D.**, “Natural science vs. social science: conflict, crossover or collaboration”, Social Science Focus Session, 2012 Korean American Scientists and Engineers South Atlantic Regional Conference, Raleigh, NC; November 2012.
58. **Kim, D.**, Kramer R., “Developing a decision support tool for malaria control in Liberia,” Liberian History, Education, and Development, Inc. (LIHEDE) 5th Anniversary Jubilee, Greensboro, NC; August 2009.
59. **Kim, D.**, Reiter J., Hull A., Miranda M.L., “The impact of lead and other exposures on early school performance,” Neurobehavioral Teratology Society (NBTS) Annual Meeting, Monterey, CA, USA; June 2008.
60. Lauria, D., **Kim D.**, “Optimal vaccination fees and clinic locations in rural China: Tribute to Professor Charles Revelle,” Johns Hopkins University, Baltimore, MA, USA; March 2007.

Refereed Conference Presentations:*International conferences*

61. **Kim, D.**, “Measuring demand for public health services: a choice modeling approach”, International Conference for Crisis and Emergency Management (ICCEM), Boryeong, Korea; December 2017.
62. Seo, S., **Kim D.**, Yoo Y., Choung J., “Smart prevention for allergic diseases: GIS-based risk index and IT-based mobile monitoring,” European Academy of Allergy and Clinical Immunology (EAACI) Annual Congress 2016, Vienna, Austria; June 2016.
63. **Kim, D.**, Zhang Y., Lee C., “Does discrete choice modeling improve policy decisions and implementation? The case of immunization in China,” 2016 International Conference for Crisis and Emergency Management (ICCEM), Lucerne, Switzerland; June 2016.
64. **Kim, D.**, “Using spatial modeling for targeted immunization programs in Bangladesh,” 2015 International Conference for Crisis and Emergency Management (ICCEM), Tokyo, Japan; September 2015.
65. **Kim, D.**, “An East Asian perspective on healthy and affordable food accessibility: food desert or food jungle?” Winter Conference of the Korean Association for Public Administration (KAPA), Seoul, Korea; December 2014.
66. Seo, S., **Kim D.**, “Neighborhood-level association between PM10 concentration and asthma prevalence in Seoul, Korea: spatial analysis, 2014 International Conference for Crisis and Emergency Management (ICCEM), Porto, Portugal; October 2014.
67. Min S.*, **Kim D.**, Seo S., “GIS-based ecological analysis of environmental risk factors on allergic diseases in Seoul, Korea,” Joint Conference of Korean Policy Forum and Korean Association for Crisis and Emergency Management, Jeju National University, Jeju, Korea; July 2014.
68. **Kim, D.**, Min, S.*, Lee, C., “Food deserts: a new approach to evaluate disparities in access to healthy and affordable foods in Korea?” World Conference for Public Administration (WCPA), Daegu, Korea; June 2014.
69. Brown Z., Kramer, R., Mutero C., **Kim D.**, Miranda M.L., Ameneshewa B., Lesser A., “Engaging stakeholders in the development and use of a model-based decision support system for malaria control,” MIM conference, Durban, South Africa; October 2013.
70. Brown, Z., Kramer R., Mutero C., **Kim, D.**, Miranda M.L., Ameneshewa B., Lesser A., Paul C., “Stakeholder development of the malaria decision analysis and support tool (MDAST)”, Malaria Journal annual conference, Basel, Switzerland; October 2012.
71. **Kim, D.**, Brown, Z., Kramer R., Mutero, C., Miranda, M.L., “Value of information in decision-analytic modeling for malaria control,” 4th Biennial Conference of the International Association for Ecology & Health (Ecohealth 2012), Kunming City, China; October 2012.
72. Seo, S., **Kim, D.**, “Spatial analysis of environmental risk factors for allergic diseases in Seoul, Korea,” International Colloquium on Health & Space, Marseille, France; September 2012.

73. **Kim, D.**, “Using mathematical tools to improve health policy decisions and implementation: obstacles and potential solutions, Korean Association of Public Administration (KAPA) international conference, Seoul, Korea; June 2012.
74. **Kim, D.**, “Use of GIS and Spatial Analysis for Public Health Crisis Management: Lessons from the U.S.”, Annual Conference of the Korean Association for Crisis and Emergency Management, Busan, Korea; August 2011 (online video presentation).
75. Seo, S., Cho Y., Choi S., **Kim, D.**, Kim Y., Kim S., Choi J., 2011, “Influence of environmental exposure on blood lead levels of young children in Seoul, Korea: A pilot study,” *Epidemiology*, 22(1):S279 (presented at ISEE 22nd Annual Conference in Seoul, Korea; August 2011).
76. Kramer, R., Brown Z., Dickinson K., **Kim D.**, Mboera L., Miranda M.L., Mutero C., “A Decision analytic Approach to assessing policy tradeoffs in malaria control in Tanzania,” 5th Annual Multilateral Initiative on Malaria Pan American Conference, Nairobi, Kenya; November 2009.
77. **Kim, D.**, “Saving National Heritage: Cost-benefit analysis for policy alternatives of protecting Cape Hatteras lighthouse in North Carolina,” 2009 International Conference for Crisis and Emergency Management (ICCEM), Busan, Korea; September 2009.
78. **Kim, D.**, Kim T., Roh C., “GIS as a decision-making tool for health policy: application to preventive health planning in the U.S.”, Spring Conference of the Korean Association for Public Administration (KAPA), Samcheok, Korea; April 2009.
79. **Kim, D.**, Canh D.G., Poulos C., Thoa L.T.K., Cook J., Hoa N.T., Nyamete A., Thuy D.T.D., Deen J., Son N.D., Clemens J., Thiem V.D., Anh D.D., and Whittington D., “Private demand for oral cholera vaccines in Hue City, Vietnam,” International Health Economics Association (IHEA) 5th World Congress, Barcelona, Spain; July 2005.

Domestic conferences

80. **Kim, D.**, Cho S., “Urban safety through spatiotemporal big data: linking the digital tachograph with traffic accidents,” Association of American Geographers (AAG) Annual Meeting, New Orleans, LA, USA; April 2018, accepted.
81. **Kim, D.**, “Understanding needs and barriers to using GIS technology for public health policymaking in Asia,” Annual Conference of the American Society for Public Administration (ASPA), Denver, CO, USA; March 2018, accepted.
82. Jang, Y.*, **Kim D.**, Park J., Kim D., “Conditional effects of open-street closed-circuit television (CCTV) on crime,” 2017 Annual Meeting of the American Society of Criminology, Philadelphia, PA, USA; November 2017.
83. Kim, H.*, **Kim D.**, “Allocating NPIR (Negative Pressure Isolation Rooms) hospitals for infectious diseases in South Korea,” American Public Health Association (APHA) annual conference, Atlanta, GA, USA; November 2017.
84. **Kim, D.**, Ban Y., Kim H.*, Kim Y.*, Lee J., “Evaluating urban safety via metabolism” American Public Health Association (APHA) annual conference, Atlanta, GA, USA; November 2017.

85. Pham, A.*, **Kim D.**, "Exploring determinants for recruitment and retention of family doctors for rural practice in Vietnam: lessons from a discrete choice experiment," Association for Public Policy Analysis and Management (APPAM) fall conference, Washington, DC, USA; November 2016.
86. Vyas, P.*, **Kim D.**, "Bangladesh immunization divide: going beyond the regional differentials," American Public Health Association (APHA) annual conference, Denver, CO, USA; September 2016.
87. Bae, K.*, **Kim D.**, "Decoupling of family-friendly policies on job satisfaction and organizational commitment in Korea," Annual Conference of the American Society for Public Administration (ASPA), Seattle, WA, USA; March 2016.
88. Wigfall, P., **Kim D.**, "Going up in smoke: an examination of tobacco control policy and practices in addressing tobacco production's impact on the global environment," 2015 SECOPA Conference, Charleston, SC, USA; October 2015.
89. Shim, E.*, Cho Y., Woo H., **Kim D.**, "Designing a noise mapping system based on the citizen scientists' smartphone sensor data," 2015 Annual Meeting of Population Association of America, San Diego, CA, USA; May 2015.
90. **Kim, D.**, "Evaluating cost-effectiveness of targeted interventions for an environmental health program: does geographic scale matter?" Annual Conference of the American Society for Public Administration (ASPA), Chicago, IL, USA; March 2015.
91. Min, S.*, **Kim D.**, "Neighborhood food accessibility and health risks in Korea," Annual Conference of the American Society for Public Administration (ASPA), Chicago, IL, USA; March 2015.
92. Seo, S., **Kim D.**, Min S.*, Paul C., Yoo Y., Choung J., "The GIS-based ecological association between ambient air pollution and asthma prevalence at the sub-district level in Seoul, Korea," American Academy of Allergy Asthma & Immunology (AAAAI) Annual Meeting, Houston, TX; February 2015.
93. Pham, A.*, **Kim D.**, "A meta-regression analysis of the effectiveness of mosquito nets for malaria control, UT Southwestern Global Health Student Conference, Dallas, TX; January 2015 (received the Best Student Presentation Award).
94. **Kim, D.**, Vyas P.*, "Evaluating the feasibility of spatial tools to scale up child immunization coverage in Bangladesh," Poster Presentation, Association for Public Policy Analysis and Management (APPAM) fall conference, Albuquerque, NM, USA; November 2014.
95. **Kim, D.** Serre M., "Spatial mapping of community-level child immunization coverage for targeted policy interventions in Bangladesh," Association of American Geographers (AAG) Annual Meeting, Tampa, FL; April 2014.
96. **Kim, D.**, Min, S.*, Lee, C., Improving healthy food accessibility through public policy: case of Incheon, Korea," Annual Conference of the American Society for Public Administration (ASPA), Washington, DC, USA; March 2014.
97. Seo, S., **Kim D.**, "GIS-based ecological analysis of environmental risk factors on allergic diseases in Seoul, Korea," American Public Health Association (APHA) annual conference, Boston, MA, USA; November 2013.

98. **Kim, D.**, Brown, Z., Anderson R., Kramer R., Mutero, C., Miranda, M.L., "Value of information in decision-analytic modeling for malaria control in Africa," American Public Health Association (APHA) annual conference, Boston, MA, USA; November 2013.
99. **Kim, D.**, Penny R., "Equity in Voting Accessibility in North Carolina," 12th Annual Social Equity Leadership Conference, Raleigh, NC, USA; June 2013.
100. Kramer, R., Mutero C., Miranda M.L., Ameneshewa B., Paul C., Lesser A., Brown Z., **Kim D.**, "Engaging in-country stakeholder networks towards improved malaria policymaking in Tanzania, Kenya and Uganda," 4th Annual Consortium of Universities of Global Health (CUGH), Washington, DC, USA; March 2013.
101. **Kim, D.**, Kim B., "Do optimization tools improve health policy decisions and implementation? The complexity of joint action in China's vaccination planning process," Annual Conference of the American Society for Public Administration (ASPA), New Orleans, LA, USA; March 2013.
102. **Kim, D.**, Fedak C.*, Kramer R., "Reduction of malaria prevalence by indoor residual spraying: A meta-regression analysis," American Society of Tropical Medicine and Hygiene (ASTMH) annual conference, Atlanta, GA, USA; November 2012.
103. Wigfall, P., **Kim, D.**, "Finding the Silver-Lining in Equitable and Sustainable Service Delivery in Health: An Empirical Study of the Impact of the SPARC Model on the Aging Population," Southeastern Conference on Public Administration, Coral Springs, FL, USA; October 2012.
104. **Kim, D.**, "Enhancing social equity by food deserts eradication," 11th Annual Social Equity Leadership Conference, Savannah, GA, USA; June 2012.
105. Seo, S., Cho Y., Choi J., Yoo Y., **Kim D.**, Choung J., "Exposure to smaller-sized fragments in homes with a childhood asthmatic," American Academy of Allergy Asthma & Immunology (AAAAI) Annual Meeting, Orlando, FL; March 2012.
106. Miranda, M.L., **Kim, D.**, Anthropolos, R., Osgood, C., "Effect of maternal smoking during pregnancy on children's educational test performance," American Public Health Association (APHA) annual conference, Washington, DC, USA; October 2011.
107. **Kim, D.**, "A decision analytic approach to evidence-based malaria policy in Liberia," Annual Conference of the Liberian Studies Association, Durham, NC, USA; April 2011.
108. Njogu D.*, **Kim, D.**, "A cross-country comparative analysis of universal healthcare systems: Implication for U.S. policy," Annual Conference of the American Society for Public Administration (ASPA), Baltimore, MA, USA; March 2011.
109. **Kim, D.**, Jung C., "Patterns and practices of accumulation and use of municipal fiscal reserves in the U.S.," Annual Conference of the American Society for Public Administration (ASPA), Baltimore, MA, USA; March 2011.
110. **Kim, D.**, Kim Y., Jung C., "Assessing developmental patterns of E-government for enhancing transparency," Annual Conference of the American Society for Public Administration (ASPA), San Jose, CA, USA; April 2010.

111. Jung, C., **Kim D.**, Kim Y., "Structural changes in the distribution of federal assistance awards, 1983-2007," Annual Conference of the American Society for Public Administration (ASPA), San Jose, CA, USA; April 2010.
112. Kim, Y., Jung C., **Kim D.**, "Gauging the E-government in financial performance: local government experiences," Annual Conference of the American Society for Public Administration (ASPA), San Jose, CA, USA; April 2010.
113. Jung, C., **Kim, D.**, "Spatial distribution of federal grants, 1983-2007," Annual Conference of the Association for Budgeting and Financial Management (ABFM), Washington, DC, USA; September 2009.
114. **Kim, D.**, Choi H., "Fairness in Sustainability: Assessment of Inequality and Diversity," Annual Conference of the American Society for Public Administration (ASPA), Miami, FL, USA; March 2009.
115. Bang, J., Druweay W., Anderson Y., Barnett A., **Kim D.**, "Patterns of Ultrafine Particle (UFP) Deposition in Human Lung Alveolar Space and Exposure related Physiological Responses of a Respiratory System on Healthy Individuals during Indoor Cooking," Joint Annual Conference of International Society for Environmental Epidemiology (ISEE) & International Society of Exposure Analysis (ISEA), Pasadena, CA, USA; October 2008.
116. **Kim, D.**, Overstreet A., Miranda M.L., "Targeted planning for health: comparison of parcel vs. zip-code level targeted screening for childhood lead exposure," Joint ACSP-AESOP (Association of Collegiate Schools of Planning – Association of European Schools of Planning) Conference, Chicago, IL, USA; July 2008.
117. **Kim, D.**, Lauria D.T., Dong B., Whittington D., "Planning vaccination campaigns in developing countries," International Conference of Global Health, Global Health Council, Washington, DC, USA, May 2008.
118. Bradley, P., **Kim, D.**, Tootoo, J., "Geological aspects of naturally occurring arsenic in groundwater in the Chapel Hill, Hillsborough and Efland 7.5-minute quadrangles, Carolina terrain, North Carolina," Geological Society of America Southeastern Section Annual Meeting, Charlotte, NC, USA, April 2008.
119. Kaiser, L., Miranda, M.L., Hussey J., Buescher P., **Kim D.**, Swamy G., "Association of adequacy of prenatal care utilization and maternal health status with birth outcomes in North Carolina," Annual Meeting of the Society for Gynecologic Investigation, San Diego, CA, USA, March 2008.
120. **Kim, D.**, Miranda, M.L., Reiter J., Hull A., Morgan S.P., "Effects of early childhood lead exposure on children's school performance and behavioral outcomes," Annual Minority Health Conference, University of North Carolina School of Public Health, Chapel Hill, NC, USA, February 2008.
121. Miranda, M.L., **Kim D.**, Overstreet M.A., Hull A., Reiter J., Morgan S.P., "Effects of early childhood environmental exposures on elementary school test performance," American Public Health Association (APHA) annual conference, Washington, DC, USA; November 2007.
122. **Kim, D.**, Miranda, M.L., Tootoo, J.L., Gelfand A., "Spatial modeling for groundwater arsenic levels in North Carolina," Joint Statistical Meetings, Salt Lake City, UT, USA, July 2007.

123. **Kim, D.**, Overstreet M.A., Miranda M.L., Widespread replication of GIS models for childhood lead exposure risk: Does intensity of geocoding matter?, American Public Health Association (APHA) annual conference, Boston, MA, USA; November 2006.
124. Miranda, M.L., **Kim D.**, Overstreet M.A., Hull A.P., Morgan P., "Linkages between early childhood lead exposure and performance on end of grade exams," American Public Health Association (APHA) annual conference, Boston, MA, USA; November 2006.
125. Miranda, M.L., Overstreet M.A., Tootoo J.L., Hull A.P., **Kim D.**, Davis J.A., Wilson C.N., Doku S., "Combining Geographic Information Systems and web based mapping to more comprehensively inform health programs," American Public Health Association (APHA) annual conference, Boston, MA, USA; November 2006.
126. **Kim, D.**, Overstreet M.A., Hull A., Miranda M.L., Can GIS help save money?: Using GIS to direct targeted screening for childhood lead poisoning in North Carolina, ESRI Health GIS Conference, Denver, CO, USA; October 2006.
127. **Kim, D.**, Dong B., Poulos C., Whittington D., Serre M., "GIS-based spatial estimation and mapping of private demands for vaccination programs: Evidence from Lingchuan County, China," Association of Collegiate Schools of Planning (ACSP) annual conference, Kansas City, MO, USA; October 2005.
128. **Kim, D.**, Serre M., Montana L., "Spatial analysis of community density-child mortality associations in developing countries: Bayesian Maximum Entropy approach," Poster Presentation, Association for Public Policy Analysis and Management (APPAM) fall conference, Atlanta, GA, USA; October 2004.
129. **Kim, D.**, Serre M., Montana L., "Identifying community-level determinants of child mortality in Bangladesh," Association of Collegiate Schools of Planning (ACSP) annual conference, Portland, OR, USA; October 2004.
130. **Kim, D.**, Serre M., Montana L., "Identifying spatial dependence of household demands for regional health services: Bayesian Maximum Entropy approach" Southern Regional Science Association (SRSA) annual meeting, New Orleans, LA, USA; March 2004.
131. **Kim, D.**, "Valuing the benefits of protecting Cape Hatteras lighthouse: Focusing on selection effects in discrete choice contingent valuation," Association of Collegiate Schools of Planning (ACSP) annual conference, Baltimore, MD, USA; November 2002.

Grants and Contracts:

Grants/contracts awarded (as PI or co-PI)

Ongoing

Development of Receptor-Centered Exposure Assessment Methodology and Service Platform
 Ministry of Environment (Government of Korea) Environmental Health R&D Grant
 KRW 950,000,000 (USD 863,636) awarded (multi-year grant: 2017-2019)

Development and Application of Evaluation Model for Urban Safety based on Sustainable Urban Metabolism
 National Research Foundation of Korea, Multidisciplinary Research Grant

KRW 600,000,000 (USD 521,739) awarded (multi-year grant: 2016-2019)

Development of Managerial System for Preventing Allergic Diseases using GIS-based Risk Index and IT-based Technology

National Research Foundation of Korea, General Competitive Grant Extended
KRW 111,000,000 (USD 92,500) awarded (multi-year grant; 2016-2018)

Development of Korean Cases in Public Administration for Training and Practice

Korean Institute of Public Administration (KIPA) Case Development Project
KRW 7,700,000 (USD 7,000) awarded, (multi-year grant: 2016-2017)

Spatial Analysis of Crime Patterns in the Concentrated Areas of Poverty in Korea

Korean Institute of Criminology
KRW 8,000,000 (USD 7,273) awarded, 2018

Preparedness for Vulnerable Populations During Large-Scale Disasters

Korea Disaster Relief Association Research & Development Grant
KRW 30,000,000 (USD 27,300) awarded, 2017

Comparative Geospatial Analysis of Injury Burden in Low and Middle Income Countries

University of Texas Southwestern Medical Center
USD 6,880 awarded, 2017

Completed

Public-Private Partnership for Cost-Saving Construction of Safety Village

Choongchungbuk-Do Research & Development Grant
KRW 44,000,000 (USD 39,462) awarded, 2017

Spatial Analysis of Crime Patterns in the Clusters of One-Person Households in Korea

Korean Institute of Criminology
KRW 8,000,000 (USD 7,273) awarded, 2017

Spatial Allocation of Hospitals with Negative Pressure Isolation Rooms in Korea

Incheon National University, International Collaborative Research Grant
KRW 10,000,000 (USD 9,100) awarded, 2017

Mapping Natural Disaster Vulnerability in Chungcheongnam Province

Chungnam Institute
KRW 20,000,000 (USD 17,391) awarded, 2016

*Exploring Determinants for Recruitment and Retention of Family Doctors for Rural Practice in Vietnam:
Lessons from a Discrete Choice Experiment*

Haiphong University of Medicine and Pharmacy
USD 5,000 awarded, 2016

Development of National Spatial Big Data Information Service System in Korea

National Geographic Information Institute
KRW 3,500,000 (USD 3,043) awarded, 2016

A Study on Prioritizing CCTV Locations and Analyzing Its Effectiveness on Crime Reduction

Korean Institute of Criminology

KRW 7,000,000 (USD 6,364) awarded, 2016

Comparative Studies of Barriers to Healthy Food Accessibility: Evidence for Demand-Side Factors in US and South Korea

Incheon National University, International Collaborative Research Grant

KRW 10,000,000 (USD 9,524) awarded, 2015

Experiencing Dallas as a Future City: Technology, Culture and Governance

Incheon National University International Internship Program Grant

USD 16,031 awarded, 2015

Center for Geospatial Research in Global Health Policy: Developing a Spatial Data and Research Hub for the Global Health Communities

EPPS Advisory Council Grants

USD 5,000 awarded, 2015

Reflections on Theory and Methods in Empirical Studies of Marketing-Sector Businesses

Incheon National University, International Collaborative Research Grant

KRW 10,000,000 (USD 9,524) awarded, 2014

Mapping for the Unreached: Evaluating Spatial Prediction for Child Immunization Coverage in Bangladesh

EPPS Advisory Council Grants

USD 5,000 awarded, 2014

Implementation Science to Optimize Malaria Vector Control and Disease Management

National Institute of Health/Duke University (R01 Grant)

USD 15,948.72 awarded, 2014

A Study on the Analysis and Application of R&D Sequestration of U.S.

Korea Institute of Science & Technology Evaluation and Planning

KRW 3,000,000 (USD 2,857) awarded, 2013

Does Optimization Modeling Improve Policy Decisions and Implementation? The Complexity of Joint Action in Health Policy Process

Incheon National University, International Collaborative Research Grant

KRW 10,000,000 (USD 9,524) awarded, 2013

Equity in Voting Accessibility

Incheon National University, International Collaborative Research Grant

KRW 10,000,000 (USD 9,524) awarded, 2013

An interdisciplinary study on assessing environmental risk factors for allergic diseases and developing preventive strategies using GIS-based spatial modeling and IT-based technology

National Research Foundation of Korea, General Competitive Grant

KRW 141,000,000 (USD 134,285) awarded, 2012-2015

Implementation Science to Optimize Malaria Vector Control and Disease Management

National Institute of Health/Duke University (R01 Grant)

USD 60,691.07 awarded, 2011-2013

Food Deserts in Korea: Improving Healthy Food Accessibility through Public Policy

Incheon National University, International Collaborative Research Grant

KRW 10,000,000 (USD 9,524) awarded, 2012

The Strategic Research on City Brand Marketing: Case of Incheon, South Korea

Incheon National University, International Collaborative Research Grant

KRW 10,000,000 (USD 9,524) awarded, 2012

Malaria Decision Analysis Support Tool (MDAST): Evaluating Health, Social and Environmental Impacts and Policy Tradeoffs

World Health Organization/Duke University

USD 15,310 awarded, 2009-2010

Clinical & Translational Science Awards

Duke University

USD 19,290.86 awarded, 2009-2010

Developing a Targeted Screening Policy for Preventing Childhood Lead Poisoning in Seoul

Seoul Metropolitan Council

KRW 20,000,000 (USD 19,047) awarded, 2009

Spatial Analysis of Child Mortality in Developing Countries: Bayesian Maximum Entropy approach

BME Lab Grant, School of Public Health, University of North Carolina at Chapel Hill

USD 3,000 awarded, 2005

Disease of the Most Impoverished (DOMI) Project

International Vaccine Institute

USD 18,000 awarded, 2001-2005

Proposal submitted:

Reducing the Burden of Road Traffic-Associated Mortality using Mobile Technology

U.S. National Institute of Health (R21 Grant)

USD 72,646 requested

Current status: under review

Socio-economic Equality Exposome (SEE)

National Research Foundation of Korea, Convergence Research Center (CRC) Grant

USD 9,150,000 requested

Current status: under review

Research and Development of Environmental Health Monitoring System for Prevention and Control of Allergic Diseases

Ministry of Environment (Government of Korea) Environmental Health R&D Grant 2016

KRW 3,000,000,000 (USD 2,727,273) requested

Current status: rejected

Building Safe Communities in Sejong Metropolitan Autonomous City

Sejong Metropolitan Autonomous City Government

KRW 150,000,000 (USD 142,857) requested

Current status: rejected

What Level of Tourism Traffic Should be Planned for in North Carolina's Major Tourism Areas?

North Carolina Department of Transportation (NCDOT)

USD 208,352 requested

Current status: rejected

Incident Management Assistance Patrols: Assessment of Benefits/Cost and Route Selection & Prioritization

North Carolina Department of Transportation (NCDOT)

USD 208,352 requested

Current status: rejected

HUD Community Challenge Planning Grants and TIGER II Planning Grants

U.S. Department of Transportation & U.S. Department of Housing & Urban Development

USD 5,672,778 requested

Current status: rejected

Impact of Affordable Housing: A Spatial Analysis of Habitat for Humanity Houses, Durham, North Carolina

Faculty-Student Scholarly/Creative Productivity Initiative

USD 5,000 requested

Current status: rejected

Using Administrative Data to Assess Effect of Lead Exposure on School Performance

U.S. National Institute of Health (R21 Grant)

USD 164,682 requested

Current status: rejected

Developing a Malaria Decision Analysis Support Tool for Liberia's National Malaria Control Program

Ministry of Health & Social Affairs, Republic of Liberia

USD 70,000 requested

Current status: rejected

Developing Innovative Decision Tools for Policymakers on Vector Control and Disease Treatment Methods for Malaria Prevention

Izumi Foundation

USD 100,000 requested

Current status: rejected

Appearance on Media:

Panelist at Current Affair Radio Show ("Si-Sa Plus"), Dallas Korean Radio (DKNET; AM730), Monthly Appearance.

The Mercury, September 2017

<http://utdmercury.com/freshman-project-encourages-collaboration/>

Good Morning Chungcheong News, June 2017 (in Korean)

<http://m.goodmorningcc.com/news/articleView.html?idxno=65388#05Gr>

<http://m.goodmorningcc.com/news/articleView.html?idxno=65601#05Gr>

<http://m.goodmorningcc.com/news/articleView.html?idxno=69820#05Gr>

The Marietta Daily Journal, April 2017

http://www.mdjonline.com/news/south-korean-delegates-visit-safety-village-in-marietta/article_493aa5a2-2ae9-11e7-ad77-2b5f8963dbe2.html?utm_medium=social&utm_source=facebook&utm_campaign=user-share

Korea Town News in Dallas (KTN), February 2017 (in Korean)

http://www.dallasktn.com/bbs/board.php?bo_table=town_news&wr_id=1203

Korea Town News in Dallas (KTN), February 2017 (in Korean)

http://www.dallasktn.com/bbs/board.php?bo_table=town_news&wr_id=1192&page=1

Higher Education Tribune, July 2016

<http://highereducationtribune.com/stories/510955544-ut-dallas-team-ties-bangladesh-public-health-to-geospatial-tech>

Daily Sun in Bangladesh, July 2016

<http://www.daily-sun.com/post/153248/Interview:-How-Bangladesh-can-improve-public-health-with-GIS-tools>

UT Dallas News Center, Research, July 2016

http://www.utdallas.edu/news/2016/7/7-32048_Study-Tackles-Public-Health-in-Bangladesh-Using-Ge_story-wide.html?WT.mc_id=NewsHomePageCenterColumn

Chosun Biz Newspaper, August 2015

http://biz.chosun.com/site/data/html_dir/2015/08/03/2015080301146.html?main_hot3

Money Today the 300, August 2015

<http://the300.mt.co.kr/newsView.html?no=2015072909427661316>

Panelist at the Debate Program (“Sunday Debate Chungbuk”), Korean Broadcasting System (KBS) Cheongju, August 2, 2015.

Interview with the National Public Radio (NPR) News Morning Edition, June 5, 2015.

<http://www.npr.org/sections/goatsandsoda/2015/06/05/412118009/south-koreas-mers-crisis-exposes-public-distrust-of-leaders>

<http://keranews.org/post/south-koreas-mers-crisis-exposes-public-distrust-leaders>

<https://thenewspro.org/?p=12831> (in Korean)

<http://vnxtag.net/mers-sewol-va-chuyen-xu-ly-khung-hoang/post-4668618848504341637.htm> (in Vietnamese)

UT Dallas News Center, Research, February 2015

http://www.utdallas.edu/news/2015/2/27-31429_Visiting-Students-Experience-Dallas-Through-Future_story-wide.html?WT.mc_id=NewsHomePageCenterColumn

Science Newsline, September 2014

<http://www.sciencenewsline.com/articles/2014090314060023.html>

Science Daily, September 2014

<http://www.sciencedaily.com/releases/2014/09/140903105807.htm>

Daily News, September 2014

<http://www.dailynewsen.com/science/study-finds-wide-gap-in-compensation-from-07-south-korean-oil-spill-h2596312.html>

eScience News, September 2014

<http://esciencenews.com/articles/2014/09/04/study.finds.wide.gap.compensation.07.south.korean.oil.spill>

Phys.Org, September 2014

<http://phys.org/news/2014-09-wide-gap-compensation-south-korean.html>

Bio Medicine, September 2014

<http://bio-medicine.org/medicine-news-1/Study-finds-wide-gap-in-compensation-from-07-South-Korean-oil-spill-133335-1/>

Science Codex, September 2014

http://www.sciencecodex.com/study_finds_wide_gap_in_compensation_from_07_south_korean_oil_spill-140860

UT Dallas News Center, Research, May 2014

http://www.utdallas.edu/news/2014/9/3-31173_Study-Finds-Wide-Gap-in-Compensation-from-07-South_story-wide.html?WT.mc_id=NewsHomePageCenterColumn

UT Dallas News Center, EPPS Faculty Receive Teaching Comet Awards, May 2014

http://www.utdallas.edu/news/2014/5/14-30031_EPPS-Faculty-Receive-Teaching-Comet-Awards_story-sidebar.html

UT Dallas News Center, EPPS Faculty Spotlight, January 2014

<http://www.utdallas.edu/epps/community/news/faculty-spotlight-dohyeong-kim-010914.html>

Quest: Research at North Carolina Central University, Winter 2013

http://www.nccu.edu/formsdocs/proxy.cfm?file_id=2095

Medical News Today, July 2012

<http://www.medicalnewstoday.com/articles/247544.php>

Africa Fighting Malaria, July 2012

<http://www.fightingmalaria.org/researchlist.aspx?issue=4>

The Times of India, July 2012

http://articles.timesofindia.indiatimes.com/2012-07-08/health/32536430_1_malaria-infection-malaria-deaths-malaria-transmission

Hematology Times, July 2012

http://www.hematologytimes.com/p_article.do?id=2444

Malaria World, July 2012

<http://www.malariaworld.org/category/medical-treatment/ddt>

NCCU Alumni Association, July 2012

<http://www.nccucd.org/news071012.html>

ChildSurvival.net, July 2012

http://childsurvival.net/?content=com_articles&artid=1271

Duke Today, October 2009

http://m.today.duke.edu/2009/10/lead_testing.html

Emerging Health Threats Monitor, August 2008 (pdf document available upon request)

Duke Global Health Institute News Article, April 2008

<http://globalhealth.duke.edu/news-events/global-health-article/people-april-2008/>

Teaching and Advising:

Doctoral advisement/direction as a chair/co-chair:

Yi-En Tso, Ph.D awarded in 2016 (PPPE)

“Optimal Locations for Emergency Shelters in Taiwan: A Policy Issue in Emergency Planning”

Immediate employer: Assistant Professor, National Chi Nan University, Taiwan

Priyanka Vyas, Ph.D awarded in 2017 (PPPE)

“Essays on Organization, Delivery and Utilization of Health Services in Bangladesh”

Immediate employer: Postdoctoral Scholar, University of California at San Francisco

Anh Pham, Ph.D awarded in 2017 (PPPE)

“Exploring Determinants for Recruitment and Retention of Family Doctors for Rural Practice in Vietnam: Lessons from a Discrete Choice Experiment”

Immediate employer: Assistant Professor, Foreign Trade University, Hanoi, Vietnam

Soojin Min, Ph.D degree expected in 2018 (PPPE)

“Facilities and Injuries in Unintentional Residential Fire in Urban Areas”

HyoungAh Kim, Ph.D degree expected in 2020 (PPPE)

Yeondae Jung, Ph.D degree expected in 2020 (GIS)

Doctoral advisement/direction as a committee member:

Corey Adam Hendon, Ph.D awarded in 2014 (PPPE)

“Policy Futures: A Fiscal Policy Innovation for Globally-Integrated Communities”

Kwang Bin Bae, Ph.D awarded in 2015 (Public Affairs)

“Three Essays on Human Resource Policies”

Ferzana Havewala, Ph.D awarded in 2015 (PPPE)
“The Food Environment and Residential Segregation”

Amy Hughes, Ph.D degree awarded in 2016 (GIS)
“Residential Mortality and CRC Screening: A Spatial Analysis of CRC Screening in an Urban Safety-Net Clinic”

Xiang Cai, Ph.D degree awarded in 2016 (PPPE)
“Affordable Housing Policies in China: A Comparative Case Study”

Alisha Kim, Ph.D degree awarded in 2017 (PPPE)
“New Models of Multilateralism: Investigating the Dynamics of Transboundary Water Governance”

Yingyuan Zhang, Ph.D degree awarded in 2017 (PPPE)
“Chinese Residential Housing Policy Evaluation”

Viveca Pavon, Ph.D degree expected in 2018 (PPPE)
“Exploring the Spatial-Temporal Transition of Drug Trafficking in the Northern Triangle”

Patricia Pan, Ph.D degree expected in 2018 (PPPE)
“The Search for Clarity in Housing First and an Impact Assessment of Permanent Supportive Housing in Dallas, Texas”

Ogulsoltan Arazgeldiyeva, Ph.D degree expected in 2018 (PPPE)
“Factors Affecting Shingles Vaccination Rate in Seniors: Mixed Method Study”

Olufunloa Arowolo, Ph.D degree expected in 2019 (PPPE)
“Foreign Investment Dependence and Infant Mortality Outcomes in the Sub-Saharan Africa”

David Saucedo, Ph.D degree expected in 2019 (PPPE)
“The effect of drug-related violence on Mexico’s economy: FDI inflows, labor productivity, and remittances. A Spatial econometric approach”

Paulo Cavallo, Ph.D degree expected in 2019 (PPPE)
“Unraveling the role of global cities in attracting FDI: hierarchical and spatial analyses of greenfield investment in metro areas in the US”

Brett Cease, Ph.D degree expected in 2019 (PPPE)
“Climate Policy by Subnational Actors Amidst the U.S. Federal Vacuum”

Master’s thesis supervision:

Alisha Kim, Master’s project in GIS (Spring 2016 – Spring 2018)
Viveca Pavon, Master’s project in GIS (Spring 2016 – Spring 2018)
Mary Smith, Master’s project in GIS (Fall 2016 – Spring 2017)

Internship advising:

Quang Le (Undergraduate student), Summer 2017

Brett Cease (Ph.D student in PPPE program), Summer 2016

Soojin Min (Ph.D student in PPPE program), RAND Summer Associate Program, Summer 2016

Ziya Cologlu (Ph.D student in PPPE program), data analyst internship at EquityMetrix, Summer 2015

Post-doctoral advising:

Hyewon Ahn, Ph.D. Pusan National University, 2014

Sung Soo Byun, Ph.D. KOICA, 2016-2017

Doctoral advisement/direction (as an external reviewer in Korea):

Eunyoung Shim, Ph.D awarded in 2015 at Seoul National University

“A Study on Developing Health Demographic Information using Smartphone Sensor Data”

Doosun Kim, Ph.D awarded in 2012 at Chungbuk National University

“Comparative Analysis on Organizational Culture of Public Organization for Improving the Organizational Competence”

Yoocho Kim, Ph.D awarded in 2011 at Chungbuk National University

“Inter-organizational Disaster Response System for Local Emergency Medical Service in Korea: The Partnership Theory and Disaster Management Communities”

Classroom teaching:

The University of Texas at Dallas, Richardson, TX

2018, Spring, IPEC/GISC 4310, Environmental and Health Policy/GIS in East Asia

2018, Spring, PPPE 6321, Economics for Public Policy

2017, Fall, OPRE 6301 (EMBA course), Quantitative Introduction to Risk and Uncertainty in Business

2017, Fall, IPEC/GISC 4384, Health and Environmental Policy/GIS: A Global Perspective

2017, Fall, EPPS 7313, Descriptive and Inferential Statistics

2017, Spring, EPPS 2301, Methods of Quantitative Analysis in the Social and Policy Sciences

2017, Spring, BIOL 1V00 (UT-PACT course), Global Health

2017, Spring, SOC 4385 (Collegium V course), Health and Illness in Global and Cross-national Perspective

2017, Spring, PPPE 6321, Economics for Public Policy

2016, Fall, OPRE 6301 (EMBA course), Quantitative Introduction to Risk and Uncertainty in Business

2016, Fall, PPPE/GISC 6334, Workshop in Environmental and Health GIS and Policy

2016, Fall, EPPS 7313, Descriptive and Inferential Statistics

2016, Summer, OPRE 6301 (EMBA course), Quantitative Introduction to Risk and Uncertainty in Business

2016, Spring, SOC 4385 (Collegium V course), Health and Illness in Global and Cross-national Perspective

2016, Spring, PPPE 6321, Economics for Public Policy

2015, Fall, IPEC/GISC 4384, Health and Environmental Policy/GIS: A Global Perspective

2015, Fall, EPPS 7313, Descriptive and Inferential Statistics

2015, Spring, BIOL 1V00 (UT-PACT course), Global Health

2015, Spring, PPPE 6321, Economics for Public Policy

2014, Fall, PPPE/GISC 6334, Workshop in Environmental and Health GIS and Policy

2014, Fall, EPPS 7313, Descriptive and Inferential Statistics

2014, Summer, EPPS 6313, Introduction to Quantitative Methods

2014, Spring, POEC 6321, Economics for Public Policy

2013, Fall, EPPS 7313, Descriptive and Inferential Statistics

North Carolina Central University, Durham, NC (2008-2013: average student rating 4.7/5.0)

PADG 5360, Economics for Public Policy Analysis
PADG 5600, Quantitative Analysis and Program Evaluation
PADG 5610, Research Methods for Public Administration
PADG 5640, Independent Study on Health Policy and Emergency Management

Service:

Administrative work with professional societies and organizations:

2013~present

Co-Editor-in-Chief, *Journal of Safety and Crisis Management*

2017~present

Editorial Board Member, *Journal of the Korean Regional Science Association*

2016~present

Editorial Board Member, *Journal of Local Governmental Studies*

2015~present

Editorial Board Member, *Journal of Governmental Studies*

2017

Guest Editor, *PLOS ONE*

2015~2016

Editorial Board Member, *Modern Society and Public Administration*

2014~2017

Editorial Board Member, *International Review of Public Administration*

2014~2015

Editorial Board Member, *The Journal of Cultural Policy*

2010~2015

Editorial Board Member, *Public Policy Review*

2017~present

Advisory Board Member, National Police Agency of Korea

2014~present

Chairperson, International Cooperation Committee, The Korea Policy Forum

2011~present

Chairperson, International Affairs Committee, International Society for Crisis and Emergency Management

2014~present

Junior Asian Scholar Award Committee Member, American Society for Public Administration

2013~present

Operating Board Member, Korean Association for Policy Studies

2017

Operating Board Member, Korean Association for Public Administration

2015~2016

Member of Special Board on Social Equity, Korean Association for Public Administration

2014~2015

International Board Member, Korean Association for Public Administration

2014~2016

International Board Member, Korean Police Studies Association

2012~2013

Chairperson, Social Science Committee, Korean-American Scientists and Engineers Association, NC Chapter

Refereeing as an external reviewer:

2017

Geospatial Health

American Review of Public Administration

International Journal of Environmental Research and Public Health

PLOS ONE

Review of Public Personnel Administration

Journal of Health, Population and Nutrition

African Social Science Review

Crisisonomy

Applied Spatial Analysis and Policy

Book Proposal for Springer: *Geospatial Technologies for Urban Health*

2016

Journal of Biomedical Sciences

American Review of Public Administration

Public Personnel Management

Annals of the American Association of Geographers

Review of Public Personnel Administration

International Journal of Environmental Research and Public Health

2015

Energy Policy

American Journal of Tropical Medicine

Public Policy Review

African Social Science Review

American Review of Public Administration

International Journal of Critical Care and Emergency Medicine

2014

Book Proposal for Routledge Books: *Global Health Geographic Analysis*
International Journal of Environmental Research and Public Health
The World Scientific Journal
Public Policy Review
The Exley: UTD Undergraduate Research Journal
Journal of Cultural Policy
International Review of Public Administration

2013

Asia-Pacific Journal of Public Health
Seoul Journal of Economics
Science of the Total Environment
Global Health Perspectives
International Journal of Hygiene and Environmental Health
Archives of Korean Crisis and Emergency Management
International Review of Public Administration

2008 ~ 2012

International Journal of Environmental Research and Public Health
Asia-Pacific Journal of Public Health
Science of the Total Environment
Global Health Perspectives
Environmental Science & Technology
International Journal of Hygiene and Environmental Health
Archives of Korean Crisis and Emergency Management
International Review of Public Administration
International Journal of Public Administration
Public Policy Review
Abstracts for International Conference of Global Health

Departmental, college, university committees:

University of Texas at Dallas

2016~present

Faculty Senate (University-level Service)

2014~2017

Member, Academic Program Review Committee (University-level Service)

2017~2018

Vice Chair, Academic Program Review Committee (University-level Service)

2014~present

International Education Fund Scholarship (IEFS) Review Committee Member (University-level Service)

2015~present

Director, Center for Geospatial Research in Global Health Policy (www.utdallas.edu/geospatial-health)

2015~present

Faculty Supervisor, SHIFT

2014~present

Faculty Advisor, Liberty in North Korea (LiNK), UTD Chapter

2013~present

Program Committee Member, Public Policy and Political Economy Program

2013~present

Ph.D Methods Qualifying Exam (MQE) Committee, Public Policy and Political Economy Program

2014~2016

Director of Graduate Studies and Associate Program Head, Public Policy and Political Economy Program,
School of Economic, Political and Policy Sciences

2015~2016

UT-PACT Interviewer (University-level Service)

2015~2016

Member, EPPS Scholarship Evaluation Committee

November 18, 2015

GIS Day Poster Competition Judge

Fall 2015

Member, Ad Hoc Committee for the Mid-Probationary Review of Dr. Jonas Bunte

August 18, 2014

Faculty Ambassador for EPPS (University-level Service)

2013~2014

GIS and Statistics Curriculum Committee Member, Geospatial Science Program

North Carolina Central University

Parliamentarian, Faculty Senate, 2011-2012

Chairperson, Electronic Journal Committee, College of Behavioral and Social Sciences, 2012-2013

Member of Advisory Board, Office of International Affairs, 2011-2013

Senator, Faculty Senate, 2010-2013

Member, Faculty Research and Professional Development Committee, 2010-2011

Faculty Editor, Scholarly Online Academic Review of Public Administration, 2010-2012

Member, Website Committee, College of Behavioral and Social Sciences, 2009-2011

NASPAA (Network of Schools of Public Policy, Affairs & Administration) Accreditation Committee, 2008-9