

DOHYEONG KIM, Ph.D.

The University of Texas at Dallas
School of Economic, Political and Policy Sciences
Public Policy and Political Economy Program

Educational History:

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 History – principal positions since the Bachelor's degree:

Associate Professor, August 2013 – present, 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

Employment History – concurrent temporary or visiting appointments, consultantships:

Visiting Instructor, September 2014, International Centre for Diarrhoeal Disease Research, Bangladesh (ICDDR, B), Dhaka, Bangladesh

Visiting Instructor, June - July 2014, Korean Social Science Data Archive Statistical Methods Training Program, Seoul, Korea

Visiting Instructor, June - July 2014, Dept. of Public Administration, Yonsei University Graduate School, Seoul, Korea

Visiting Instructor, June - July 2013, Hanyang University International Summer School, Seoul, Korea

Adjunct Research Professor, June 2011 – June 2013, The Environmental Health Center for Asthma, Korea University Medical Center, Seoul, Korea

Visiting Instructor, June – July 2011, Graduate School of Policy Studies, Korea University, Seoul, Korea

Visiting Instructor, December 2010 – January 2011, Graduate School of Public Administration, Seoul National University, Seoul, Korea

Consultant/Supervisor, June 2001 – May 2005, Economics and Policy Team for the DOMI (Diseases of the Most Impoverished) Project, Fieldworks in Jakarta (Indonesia), Hue (Vietnam), Hanoi (Vietnam), Daxu (China)

Professional recognitions and honors (study, teaching, research, service):

Outstanding Teaching Comet Award, April 2014, 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, 2005 - present
American Society for Public Administration, 2008 - present
Korean Association for Public Administration, 2009 - present
International Society for Crisis and Emergency Management, 2009 - present
Korean Association for Crisis and Emergency Management, 2010 - present
Korean Association for Policy Studies, 2013 - present
Association of American Geographers, 2014 – present
Korean Police Studies Association, 2014 – present
Triangle Global Health Consortium, 2011 - 2013
Association of Public Policy Analysis and Management, 2004 - 2010
Association of Collegiate Schools of Planning, 2002 - 2009
Global Health Council, 2007 - 2008
International Health Economics Association, 2005 - 2006

Achievements in original investigation:

(*graduate student)

Articles in refereed journals

1. **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*, doi: 10.1016/j.ocecoaman.2014.05.023, forthcoming.
2. 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*, forthcoming.
3. **Kim, D.**, Lauria D.T., Poulos C., Dong B., Whittington D., 2013 (Epub), "Effect of travel distance on household demand for typhoid vaccines: Implications for planning," *International Journal of Health Planning and Management*, doi: 10.1002/hpm.2172, forthcoming.
4. **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.
5. **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)
6. **Kim, D.**, Lauria D.T., Whittington D., 2012 (OnlineFirst), "Selecting optimal prices and outpost locations for rural vaccination campaigns," *International Regional Science Review*, doi:10.1177/0160017612461505, forthcoming.
7. **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.

8. 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.
9. 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., Macuamule A., Maskery B., Cook J., **Kim D.**, Lauria D., Jeuland M., 2011, "Cost of illness due to endemic cholera," *Epidemiology and Infection*, 18:1-10.
10. **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.
11. 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.
12. 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.
13. Miranda, M.L., **Kim D.**, Reiter J., Overstreet A., Maxson P., 2009, "Environmental contributors to the achievement gap," *Neurotoxicology*, 30:1019-1024.
14. 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.
15. **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.
16. 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.
17. **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.
18. 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.
19. 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)
20. 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.

21. 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.

Books authored or co-authored

22. Lee, W., Kim N., Jung J., **Kim D.**, Park H., Bae K., Oh S., Lee S., Jeon Y., Chun H., Choi H., Choi H., *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, 11-1371000-000458-01, December 2012 (in Korean).
23. **Kim D.**, Kim Y., *The impact of information and communication technologies on employment environment in the U.S.*, National Information Society Agency, NIA II-PER-10002, August 2010 (in Korean).
24. Choi J., **Kim D.**, Cho Y., Yeon K., Kim S., Choi S., Hwang K., *A targeted screening policy for preventing childhood lead poisoning*, Seoul Metropolitan Council, January 2010 (in Korean).
25. Bergman, M., Erickson P., Shelton C., Daudon M., Shoaf M., Miranda M.L., **Kim D.**, Overstreet A., Hull A., Kalman D., Yost M., Ramaprasad J., Kissel J., Karr C., Ossiander E., West N., Peck N., Hepner N., Whitaker E., Bradley D., Abbett M., Bear S., *Lead hazards in housing: Childhood lead exposure in Washington's communities*, Community, Trade, and Economic Department, State of Washington, United States, December 2005.

Articles submitted for publication

26. **Kim, D.**, "Using discrete choice modeling to measure individual demand for typhoid fever vaccines in China," submitted to *Research Policy* on August 9, 2014.
27. **Kim, D.**, "An East Asian perspective on healthy and affordable food accessibility: food desert or food jungle?" revised and resubmitted to *Globalization and Health* on August 15, 2014.
28. **Kim, D.**, Malabika S., Vyas P.*, "Role of spatial tools in public health policymaking of Bangladesh: opportunities and challenges," submitted to *Journal of Health, Population and Nutrition* on August 31, 2014.
29. **Kim, D.**, Brown, Z., Anderson R., Mutero, C., Miranda, M.L., Kramer R., "The value of information in decision-analytic modeling for malaria control in Africa," submitted to *Risk Analysis* on August 30, 2014.
30. Seo S., **Kim D.** (corresponding author), Min S.*, Paul C.*, Choung J., "Neighborhood-level association between PM10 concentration and asthma prevalence in Seoul, Korea," submitted to *Perspectives in Public Health*, on March 23, 2014.

Works in progress

31. **Kim, D.**, Overstreet M.A., Miranda M.L., "Comparing parcel versus zip code level targeted screening programs for childhood lead exposure," in preparation for submission to *Public Health Reports*.

32. **Kim, D.**, Serre M., “Spatial mapping of community-level child immunization coverage in Bangladesh,” in preparation for submission to *International Journal of Health Geographics*.
33. **Kim, D.**, Anh P.*, “A meta-analysis for reduction of malaria prevalence by insecticide-treated nets,” in preparation for *American Journal of Tropical Medicine and Hygiene*.
34. **Kim, D.**, Kim B., Lee C., “Does spatial modeling improve health policy decisions and implementation? The complexity of joint action,” in preparation for submission to *Applied Spatial Analysis and Policy*.
35. **Kim, D.**, Tso Y.*, Lee C., “Spatial and temporal equality in voting accessibility: The case of North Carolina,” in preparation for submission to *Environment and Planning C: Government and Policy*.
36. Bae, K.*, **Kim D.**, “Does local access to educational nonprofits increase low income students’ school achievement? Evidence from a spatial analysis of Texas,” in preparation for submission to *Nonprofit and Voluntary Sector Quarterly*.
37. Vyas, P.*, **Kim D.**, “Spatial autocorrelation and geographical targeting of health interventions,” in preparation for *Health & Space*.
38. Min, S.*, **Kim D.**, Lee C., “Food consumption environments and healthy food accessibility in Korea,” in preparation for submission to *Health Education Journal*.
39. Rho, S., **Kim D.**, Lee C., “Reputation as an intangible asset: the case of marketing-sector businesses,” in preparation for submission to *International Marketing Review*.

Other writings

40. “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.)
41. “Malaria Decision Analysis Support Tool (MDAST): Evaluating health, social and environmental impacts and policy tradeoffs: User Manual,” June 2013. (with Brown Z. et al.)
42. “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.) (Google Scholar: 2 citation).
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.)

Invited talks/presentations to professional meetings and seminar or colloquia assemblies

International meetings:

1. **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.

2. **Kim, D.**, “Evidence-based decision making under uncertainty: the case of health policy”, Special Talk at Hanyang University, Seoul, Korea; July 2014.
3. **Kim, D.**, “Value of information in decision-analytic modeling for evidence-based health policy”, Yonsei International Symposium, Yonsei University, Seoul, Korea; June 2014.
4. **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.
5. **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.
6. **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.
7. **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.
8. **Kim, D.**, “Food deserts in Korea: improving healthy food accessibility through public policy”, Keynote presentation at the 7th Michuhall Urban Forum, Urban Development Institute (UDI), Incheon National University, Incheon, Korea; March 2013.
9. **Kim, D.**, “Use of GIS and spatial analysis for health policy”, Graduate School of Public Health, Seoul National University, Seoul, Korea; July 2012.
10. **Kim, D.**, “Spatial modeling for groundwater arsenic levels”, K-Water, Daejeon, Korea; July 2012.
11. **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.
12. **Kim, D.**, “Decision Analysis and value of information analysis”, Methodology Colloquium, Institute of Government Studies, Korea University, Seoul, Korea; July 2012.
13. **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.
14. **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.
15. **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.
16. **Kim, D.**, “Crisis management for saving public goods: Cost-benefit analysis perspective,” Department of Public Administration, Chungbuk National University, Cheongju, Korea; December 2011.

17. **Kim, D.**, “Analyzing environmental risks and benefits of environmental quality improvement,” Department of Public Administration, Chungbuk National University, Cheongju, Korea; July 2011.
18. **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.
19. **Kim, D.**, “GIS applications in environmental health research,” Institute for Occupational and Environmental Health, Korea University, Seoul, Korea; July 2011.
20. **Kim, D.**, “Spatial modeling for informed decision-making in environmental health policy,” Graduate School of Public Administration, Seoul National University, Seoul, Korea; July 2011.
21. 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.
22. **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.
23. **Kim, D.**, “Policy tools to reduce health disparities: from global to local perspective,” Institute of Urban Affairs, Yonsei University, Seoul, Korea; April 2009.
24. **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.
25. **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:

26. **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.
27. **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.
28. **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.
29. **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.

30. **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.
31. **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.
32. **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.
33. 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.

Referred talks/presentations to professional meetings and seminar or colloquia assemblies

International conferences:

34. 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.
35. **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.
36. 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.
37. 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.
38. **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.
39. 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.
40. **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.
41. **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).

42. 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).
43. 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.
44. **Kim, D.**, "Saving National Heritage: Cost-benefit analysis for policy alternatives of protecting Cape Hatteras lighthouse in North Carolina," International Conference for Crisis and Emergency Management (ICCEM), Busan, Korea; September 2009.
45. **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.
46. **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:

47. **Kim, D.** Serre M., "Spatial mapping of community-level child immunization coverage for targeted policy interventions in Bangladesh," Association of American Geographers Annual Meeting, Tampa, FL; April 2014.
48. **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.
49. 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.
50. **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.
51. **Kim, D.**, Penny R., "Equity in Voting Accessibility in North Carolina," 12th Annual Social Equity Leadership Conference, Raleigh, NC, USA; June 2013.
52. 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.
53. **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.

54. **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.
55. 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.
56. **Kim, D.**, "Enhancing social equity by food deserts eradication," 11th Annual Social Equity Leadership Conference, Savannah, GA, USA; June 2012.
57. 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.
58. **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.
59. 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.
60. **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.
61. **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.
62. 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.
63. 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.
64. 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.
65. **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.
66. 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.

67. **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.
68. **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.
69. 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.
70. 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.
71. **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.
72. 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.
73. **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.
74. **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.
75. 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.
76. 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.
77. **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.
78. **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.

79. **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.
80. **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.
81. **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.
82. **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.

External funding for original investigations:

Grants/contracts awarded:

Reflections on Theory and Methods in Empirical Studies of Marketing-Sector Businesses
Chang-Kil Lee (PI), Dohyeong Kim (Co-PI), Sungmin Rho
Incheon National University, International Collaborative Research Grant
May 2014 – April 2015, KRW 10,000,000 (USD 9,524) awarded

Mapping for the Unreached: Evaluating Spatial Prediction for Child Immunization Coverage in Bangladesh
Dohyeong Kim (PI)
EPPS Advisory Council Grants
April – July 2014, USD 5,000 awarded

Implementation Science to Optimize Malaria Vector Control and Disease Management
Dohyeong Kim (PI)
National Institute of Health/Duke University (R01 Grant)
September 2013 – June 2015, USD 15,948.72 awarded

A Study on the Analysis and Application of R&D Sequestration of U.S.
Dohyeong Kim (PI)
Korea Institute of Science & Technology Evaluation and Planning
June 2013 – August 2013, KRW 3,000,000 (USD 2,857) awarded

Does Optimization Modeling Improve Policy Decisions and Implementation? The Complexity of Joint Action in Health Policy Process
Chang-Kil Lee (PI), Dohyeong Kim (Co-PI), Byungjoon Kim
Incheon National University, International Collaborative Research Grant
May 2013 – April 2014, KRW 10,000,000 (USD 9,524) awarded

Equity in Voting Accessibility
Chang-Kil Lee (PI), Dohyeong Kim (Co-PI), Ronald Penny

Incheon National University, International Collaborative Research Grant
May 2013 – April 2014, KRW 10,000,000 (USD 9,524) awarded

An interdisciplinary study on assessing environmental risk factors for allergic diseases and developing preventive strategies using GIS-based spatial modeling and IT-based technology
Sungchul Seo (PI), Dohyeong Kim (Co-PI)
National Research Foundation of Korea, General Competitive Grant
May 2012 – April 2015, KRW 141,000,000 (USD 134,285) awarded

Implementation Science to Optimize Malaria Vector Control and Disease Management
Dohyeong Kim (PI)
National Institute of Health/Duke University (R01 Grant)
July 2010 – June 2013, USD 60,691.07 awarded

Malaria Decision Analysis Support Tool (MDAST): Evaluating Health, Social and Environmental Impacts and Policy Tradeoffs
Dohyeong Kim (PI)
World Health Organization/Duke University
June 2010 – July 2010, USD 15,310 awarded

Food Deserts in Korea: Improving Healthy Food Accessibility through Public Policy
Chang-Kil Lee (PI), Dohyeong Kim (Co-PI), Dongyeon Seo
Incheon National University, International Collaborative Research Grant
May 2012 – April 2013, KRW 10,000,000 (USD 9,524) awarded

The Strategic Research on City Brand Marketing: Case of Incheon, South Korea
Chang-Kil Lee (PI), Dohyeong Kim (Co-PI), Dongyeon Seo
Incheon National University, International Collaborative Research Grant
May 2012 – April 2013, KRW 10,000,000 (USD 9,524) awarded

Developing a Targeted Screening Policy for Preventing Childhood Lead Poisoning in Seoul
Jae-Wook Choi (PI), Dohyeong Kim (Co-PI)
Seoul Metropolitan Council
October – December 2009, KRW 20,000,000 (USD 19,047) awarded

Clinical & Translational Science Awards
Dohyeong Kim (PI)
Duke University
June – July 2009, USD 19,290.86 awarded

Spatial Analysis of Child Mortality in Developing Countries: Bayesian Maximum Entropy approach
Dohyeong Kim (PI)
BME Lab Grant, School of Public Health, University of North Carolina at Chapel Hill
March – May 2004, USD 3,000 awarded

Disease of the Most Impoverished (DOMI) Project
Dohyeong Kim (PI)
International Vaccine Institute
June 2002 – August 2004, USD 18,000 awarded

Proposal submitted:

Creating Spatial Indicators of Natural and Social Disaster Risks for Local Governments in Korea
Chang-Kil Lee (PI), Dohyeong Kim (Co-PI), Oyoung Kwon
National Research Foundation of Korea, General Collaborative Research Grant
December 2014 – November 2017, KRW 300,000,000 (USD 285,714) requested
Current status: under review

Building Safe Communities in Sejong Metropolitan Autonomous City
Jae Eun Lee (PI), Dohyeong Kim (Co-PI), Gi-geun Yang (Co-PI)
Sejong Metropolitan Autonomous City Government
September 2014 – April 2015, KRW 150,000,000 (USD 142,857) requested
Current status: under review

What Level of Tourism Traffic Should be Planned for in North Carolina's Major Tourism Areas?
M. Michaux Parker (PI), Dohyeong Kim (Co-PI)
North Carolina Department of Transportation (NCDOT)
January 2014 – December 2015, USD 208,352 requested
Current status: rejected

Incident Management Assistance Patrols: Assessment of Benefits/Cost and Route Selection & Prioritization
Donnell Scott (PI), Dohyeong Kim (Co-PI)
North Carolina Department of Transportation (NCDOT)
January 2014 – December 2015, USD 208,352 requested
Current status: rejected

HUD Community Challenge Planning Grants and TIGER II Planning Grants
Daniel Rodriguez (PI), Dohyeong Kim (Co-PI)
U.S. Department of Transportation & U.S. Department of Housing & Urban Development
November 2010 – October 2013, USD 5,672,778 requested
Current status: rejected

Impact of Affordable Housing: A Spatial Analysis of Habitat for Humanity Houses, Durham, North Carolina
Rebecca Winders (Co-PI), Dohyeong Kim (Co-PI)
Faculty-Student Scholarly/Creative Productivity Initiative
March 2011 – May 2011, USD 5,000 requested
Current status: rejected

Using Administrative Data to Assess Effect of Lead Exposure on School Performance
Jerome Reiter (PI), Dohyeong Kim (Co-PI)
U.S. National Institute of Health (R21 Grant)
October 2009 – September 2011, USD 164,682 requested
Current status: rejected

Developing a Malaria Decision Analysis Support Tool for Liberia's National Malaria Control Program
Dohyeong Kim (PI)
Ministry of Health & Social Affairs, Republic of Liberia
July 2009 – June 2010, USD 70,000 requested
Current status: rejected

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

Randall Kramer (PI), Dohyeong Kim (Co-PI)

Izumi Foundation

May 2008 – April 2009, USD 100,000 requested

Current status: rejected

Teaching:

Doctoral advisement/direction (at UTD):

Corey Adam Hendon, Ph.D degree expected in 2014

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

Ferzana Havewala, Ph.D degree expected in 2015

“The Food Environment and Residential Segregation”

Xiang Cai, Ph.D degree expected in 2015

“Affordable Housing Policies in China: A Comparative Case Study”

Pre-dissertation advising (at UTD):

Priyanka Vyas (3rd year Ph.D student in PPPE program), working on the research project on spatial analysis of immunization coverage in Bangladesh (funded by the EPPS Advisory Council Grant)

Soojin Min (2nd year Ph.D student in PPPE program), working on the research project on environmental risk factors and allergic diseases in Seoul (funded by the National Research Foundation of Korea)

Anh Pham (2nd year Ph.D student in PPPE program), working on the research project on meta-analysis of insecticide treated nets for malaria control

Yi-En Tso (3rd year Ph.D student in PPPE program), working on the research project on voting accessibility in North Carolina (enrolled in Independent Study under my supervision in Fall 2014)

Kwang Bin Bae (3rd year Ph.D student in Public Affairs program), working on the research paper on spatial analysis of nonprofit organizations in Texas (enrolled in Independent Study under my supervision in Fall 2014)

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

Eunyoung Shim, Ph.D degree expected 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

2015, Spring, BIOL 1V00 (UT-PACT course), Global Health
2015, Spring, IPEC 4384 (Collegium V course), Health and Environmental Policy: A Global Perspective
2015, Spring, PPPE 6321, Economics for Public Policy (scheduled)
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 (15 semesters; average student rating: 4.7 out of 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

Yonsei University Graduate School, Seoul, Korea

2014, Summer, PUB 9991, GIS/Spatial Analysis for Public Policy

Hanyang University International Summer School, Seoul, Korea

2013, Summer, DIS 217, International Relations in East Asia

KU-Seoul Metropolitan Government Summer School, Korea University, Seoul, Korea

2012, Summer, PSC 807, Environmental Economics and Management
2011, Summer, PSC 807, Environmental Economics and Management

Service:

Reviewing, refereeing and administrative work with professional societies and organizations:

2014~present

Chairperson, International Cooperation Committee, The Korea Policy Forum

2013~present

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

2011~present

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

2014~present

Editorial Board Member, *International Review of Public Administration*

2014~present

Editorial Board Member, *The Journal of Cultural Policy*

2014~present

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

2010~present

Editorial Board Member, *Public Policy Review*

2014~present

International Board Member, Korean Association for Public Administration

2014~present

Advisory Committee Member, Disaster & Safety Research Institute, The Hope Institute

2014~present

International Board Member, Korean Police Studies Association

2013

Steering Committee Member, Korean Association for Policy Studies

2012~2013

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

2008~present

Ad Hoc Reviewer, *International Journal of Environmental Research and Public Health*

Ad Hoc Reviewer, *Geographical Analysis*

Ad Hoc Reviewer, *Asia-Pacific Journal of Public Health*

Ad Hoc Reviewer, *Seoul Journal of Economics*

Ad Hoc Reviewer, *Science of the Total Environment*

Ad Hoc Reviewer, *Global Health Perspectives*

Ad Hoc Reviewer, *Environmental Science & Technology*

Ad Hoc Reviewer, *International Journal of Hygiene and Environmental Health*

Ad Hoc Reviewer, *Archives of Korean Crisis and Emergency Management*

Ad Hoc Reviewer, *International Review of Public Administration*

Ad Hoc Reviewer, *International Journal of Public Administration*

Ad Hoc Abstract Reviewer, International Conference of Global Health

Departmental, college, university committees:

2014~present

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

2014~present

Academic Program Review Committee Member, The University of Texas at Dallas (University-level Service)

2013~present

Program Committee Member, Public Policy and Political Economy Program, UTD

2013~present

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

August 18, 2014

Faculty Ambassador for EPPS, UTD (University-level Service)

2013~2014

GIS and Statistics Curriculum Committee Member, Geospatial Science Program, UTD

2014~present

External Dissertation Committee Member, Seoul National University, Korea

2011~2012

Parliamentarian, Faculty Senate, NCCU (University-level Service)

2012~2013

Chairperson, Electronic Journal Committee, College of Behavioral and Social Sciences, NCCU

2011~2013

Member of Advisory Board, Office of International Affairs, NCCU

2011~2012

External Dissertation Committee Member, Chungbuk National University, Korea

2010~2013

Senator, Faculty Senate, NCCU (University-level Service)

2010~2011

Member, Faculty Research and Professional Development Committee, NCCU

2010~2012

Faculty Editor, Scholarly Online Academic Review of Public Administration, NCCU

2009~2011

Member, Website Committee, College of Behavioral and Social Sciences, NCCU

2008~2009

NASPAA (Network of Schools of Public Policy, Affairs & Administration) Accreditation Committee, NCCU