

DOHYEONG KIM, Ph.D.

School of Economic, Political and Policy Sciences
University of Texas at Dallas
800 W Campbell Road (GR 31)
Richardson, TX 75080-3021
972-883-3512
(972) 883-6436
dohyeong.kim@utdallas.edu

Educational History

August 8th, 2007

Ph.D. in City and Regional Planning (Concentration: Health Planning and Policy)
University of North Carolina at Chapel Hill, NC, USA

* Doctoral Dissertation: “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)

August 25th, 1999

M.A. in Public Administration (Concentration: Health/Environmental Policy and Management)
Yonsei University, Seoul, Korea

* Master’s Thesis: “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)

February 23rd, 1996

B.A. in Public Administration, Yonsei Univ., Seoul, Korea

Professional Experiences

July 2013 - :

Associate Professor of Public Policy, Political Economy and Geographic Information Sciences,
School of Economic, Political and Policy Sciences,
University of Texas at Dallas, Richardson, TX, USA

- *Collaborative research partnerships are with Children’s Environmental Health Initiative at the **University of Michigan** (Ann Arbor, MI) and Duke Global Health Institute at **Duke University** (Durham, NC), **Korea University College of Medicine** (Seoul, Korea), and College of Urban Science at the **University of Incheon** (Incheon, Korea).*
- *Fieldwork for research were conducted in **Liberia** (Summer 2009), **South Korea** (Spring 2010, Summer 2011, Winter 2011, Summer 2012, Spring 2013, Summer 2013), **Tanzania, Kenya, and Uganda** (Spring 2012)*

August 2008 – August 2013:

Assistant to Associate Professor,
Department of Public Administration, North Carolina Central University, Durham, NC, USA

June 2011 – present:

Adjunct Research Professor, The Environmental Health Center for Asthma, Korea University Medical Center, Seoul, Korea

Summer 2013

Visiting Instructor, Hanyang International Summer School (HISS), Hanyang University, Seoul, Korea

Summer 2011, 2012

Visiting Instructor, Graduate School of Policy Studies, Korea University, Seoul, Korea

Winter 2011

Visiting Instructor, Graduate School of Public Administration, Seoul National University, Seoul, Korea

July 2005 – August 2008:

Post-doctoral Research Associate, Children's Environmental Health Initiative, Nicholas School of the Environment, Duke University, Durham, NC, USA (now in the University of Michigan at Ann Arbor)

August 2007 – May 2008:

Preparing Future Faculty Fellow, Duke University Graduate School, Durham, NC, USA

June 2001 - May 2005:

Consultant/Supervisor, Economics and Policy Team, DOMI (Diseases of the Most Impoverished) Project, International Vaccine Institute, funded by the Bill and Melinda Gates Foundation

- *Fieldworks for research were conducted in **Vietnam** (Summer 2002, Summer 2003), **Indonesia** (Spring 2004), and **China** (Summer 2004)*

August 2000 - May 2005:

Research/Teaching Assistant, Dept. of City and Regional Planning, University of North Carolina, Chapel Hill, NC, USA

October 1999 - December 1999:

Researcher, Regional Economies Division, Korea Research Institute for Human Settlements, Korea

March 1997 - August 1998:

Research/Teaching Assistant, Dept. of Public Administration, Yonsei University, Seoul, Korea

Research Interests

Dr. Kim's current research interests cover a wide span of interdisciplinary public policy and planning aspects with emphasis on health and environmental policy analysis. His research efforts have been dedicated over 15 years to develop statistical, economic, geospatial, and decision-analytic approaches to address a variety of health and environmental concerns both in the US and internationally, such as childhood lead poisoning, arsenic in groundwater, malaria control, vaccination delivery, cost-of-illness and non-market valuation, indoor and outdoor air quality, allergic disease, food security, and so on.

Professional Memberships

Association of Public Policy and Management (APPAM)
Association of Collegiate Schools of Planning (ACSP)
International Society for Crisis and Emergency Management
Korean Association for Public Administration
American Society for Public Administration
American Public Health Association (APHA)
Global Health Council
American Statistical Association (ASA)
International Health Economics Association (iHEA)
Korean Association for Crisis and Emergency Management
Korean Association for Policy Studies
Korean Association for Public Security Administration

Awards and Fellowships

July 2011-July 2012:

Research Fellowship, Institute for Poverty Alleviation and International Development, Yonsei University, Wonju, Korea

January 2011:

Nominated for the North Carolina Central University Award for Teaching Excellence

August 2007 – May 2008:

Preparing Future Faculty Fellow, Duke University Graduate School, Durham, NC, USA

May 2008:

2008 New Investigators in Global Health (NIGH) Winner (Scholarship and Invited Panel Presentation at the annual International Conference), Global Health Council, Washington, DC, USA

October 2004:

Travel Award for 2004 APPAM (Association for Public Policy Analysis and Management) Conference, Graduate School, UNC at Chapel Hill, USA

November 2002:

Travel Award for 2002 ACSP (Association of Collegiate Schools of Planning) Conference, CODS (Consortium on Development Studies), Seoul, Korea

June 2002:

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

March 1998 – August 1999:

Superior Graduate Student Award (Scholarship and Stipend), Seo-Am Academic Foundation, Seoul Broadcasting System, Seoul, Korea

1990 – 1996:

Undergraduate Scholarships of Academic Excellence, Yonsei University, Seoul, Korea

Other Recognitions: Appearance on Media

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.nccubaltimore.org/news.html>

<http://www.nccudc.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/>

Achievements: Referred Publications

1. **Kim, D.**, Lauria D.T., Poulos C., Dong B., Whittington D., 2013, "Effect of travel distance on demand for typhoid vaccines: Implications for planning," *International Journal of Health Planning and Management*, forthcoming. (SSCI Journal)
2. **Kim, D.**, Lauria D.T., Whittington D., 2013, "Selecting optimal prices and outpost locations for rural vaccination campaigns," *International Regional Science Review*, forthcoming. (SSCI Journal)
3. **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. (SCI Journal; featured article)
4. Campbell, K.R., Lawson T., **Kim, D.**, 2011, "Eradication of food deserts through public policy: Case of Durham, North Carolina," *Journal of Safety and Crisis Management*, 1(2):23-30.

5. **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. ([SCI Journal](#))
6. 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. ([SCI Journal](#))
7. **Kim, D.**, 2011, "Valuing the benefits of protecting Cape Hatteras lighthouse: Focusing on selection effects in discrete choice contingent valuation," *Journal of Safety and Crisis Management*, 1(1):17-34.
8. 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. ([SCI Journal](#))
9. 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 and International Health*, 16(3):314-323. ([SCI Journal](#))
10. 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.
11. Miranda, M.L., **Kim D.**, Reiter J., Overstreet A., Maxson P., 2009, "Environmental contributors to the achievement gap," *Neurotoxicology*, 30:1019-1024. ([SCI Journal](#))
12. 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. ([SSCI Journal](#))
13. **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. ([SCI Journal](#))
14. 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.
15. **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. ([SSCI Journal](#))
16. 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. ([SCI Journal](#))
17. 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. ([SCI Journal](#); **featured article**)

18. 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. (SCI Journal)
19. 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. (SSCI Journal)

Achievements: Non-referred Publications

1. 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," Final Report to Ministry of Culture, Sports and Tourism in Korea, December 2012 (*in Korean*).
2. **Kim, D.**, Kim Y., "The impact of information and communication technologies on employment environment in the U.S." Final Report to National Information Society Agency, July 2010 (*in Korean*).
3. Choi, J., **Kim D.**, "Developing a targeted screening policy for preventing childhood lead poisoning in Seoul," Final Report to Seoul Metropolitan Council, January 2010 (*in Korean*).
4. Bergman, M., Erickson P., Shelton C., Daudon M., Shoaf M., Miranda M.L., **Kim D.**, Overstreet M.A., Hull A., Kalman D., Yost M., Ramaprasa 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, USA, December 2005.
5. Poulos, C., Wu X., Dong B., **Kim D.**, Whittington D., "Willingness-to-pay for typhoid fever vaccines for adults and children in Guilin, China," Report to International Vaccine Institute, November 2005.

Achievements: Grants

July 2010 – June 2014:

Principal Investigator (subcontract), R01 Grant, National Institute of Health, USA
(**Total USD 2,163,712 funded; USD 75,257.64 for subcontract**)

Grant Title: Implementation Science to Optimize Malaria Vector Control and Disease Management

The central objective of this project is to improve malaria control outcomes through an implementation science approach that integrates health delivery experiments and decision support modeling to promote joint optimization of vector control and disease management strategies.

August 2013 – December 2013:

Consultant, Research Grant for Korea Institute of Science & Technology Evaluation and Planning, Seoul, Korea
(**USD 3000 .00 funded**)

Grant Title: A study on the analysis and application of R&D sequestration of U.S.

May 2013 – April 2014:

Co-Investigator, University of Incheon International Collaboration Research Fund, Incheon, Korea
(USD 20,000.00 funded)

May 2012 – April 2015:

Co-Principal Investigator, General Competitive Grant, National Research Foundation, Seoul, Korea
(USD 125,892.86 funded)

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

October 2012:

Investigator, Research Travel Grant, NCCU Foundation, Inc., USA
(USD 1,000.00 funded)

July 2011 – June 2013:

Investigator, Korean Ministry of Environment Grant, Seoul, Korea
(USD 15,000.00 funded)

May 2012 – April 2013:

Co-Investigator, University of Incheon International Collaboration Research Fund, Incheon, Korea
(USD 20,000.00 funded)

June 2009 – June 2012:

Principal Investigator (subcontract), World Health Organization (WHO), Nairobi, Kenya
(Total USD 2,050,000 funded; USD 15,310.00 for subcontract)

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

The project's aim is to promote evidence-based, multi-sectoral malaria control policymaking in three African countries, serving as pilot for other malaria-prone countries, through the use of a comprehensive framework for assessing the full range of health, social, and environmental risks and benefits associated with alternative malaria control strategies.

February 2011:

OIA (Office of International Affairs) Competitive Grants for Faculty Development Awards, North Carolina Central University, Durham, NC, USA
(USD 1,000.00 funded)

October 2009 – January 2010:

Co-Principal Investigator, Seoul Metropolitan Council Research Competitive Project, Seoul, Korea
(USD 20,000.00 funded)

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

The project's aim is to enact a city-wide regulation to require blood lead screening for young children who present high risks of lead exposure due to their living environments.

June 2009 – July 2009:

Principal Investigator (subcontract), CTSA Grant, Duke University, Durham, NC, USA
(USD 19,290.86 funded)

Grant Title: Clinical & Translational Science Awards

One of this project's goals is to develop a community model for understanding how to translate the findings of research to populations using advanced informatics and health services delivery methods. My major role is to develop economic modeling and statistical analyses of health cost data.

March 2004:

Investigator, BME Lab Grant, School of Public Health, Univ. of North Carolina at Chapel Hill, USA
(USD 3,000.00 funded)

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

January 2001 – May 2005:

Investigator, DOMI Economics and Policy Analysis Team, International Vaccine Institute
(Tuition and Stipends funded)

Grant Title: Disease of the Most Impoverished (DOMI) Program

This program is a multi-year effort funded with a grant of \$40 million by the Bill and Melinda Gates Foundation. This program addresses the need for research and development of vaccines against three important enteric diseases - cholera, shigellosis, and typhoid fever - that collectively account for hundreds of thousands of deaths each year, largely among children.

Achievements: Refereed Presentations

1. 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 (accepted for presentation).
2. **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 (accepted for presentation).
3. 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 (accepted for presentation).
4. **Kim, D.**, Penny R., "Equity in Voting Accessibility in North Carolina," 12th Annual Social Equity Leadership Conference, Raleigh, NC, USA; June 2013.
5. 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.
6. **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.

7. **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.
8. 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.
9. **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.
10. 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.
11. 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.
12. **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.
13. **Kim, D.**, “Enhancing social equity by food deserts eradication,” 11th Annual Social Equity Leadership Conference, Savannah, GA, USA; June 2012.
14. 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.
15. **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).
16. **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.
17. 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.
18. **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.
19. **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.

20. 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.
21. 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.
22. 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.
23. **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.
24. Jung, C., **Kim, D.**, “Spatial distribution of federal grants, 1983-2007,” Annual Conference of the Association for Budgeting and Financial Management (ABFM), Washington, DC; September 2009.
25. **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.
26. **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.
27. 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.
28. **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.
29. **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.
30. 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.
31. **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.

32. 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.
33. **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.
34. **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.
35. 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.
36. 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.
37. **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.
38. **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.
39. **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.
40. **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.
41. **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.
42. **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.
43. **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.

Achievements: Invited Presentations

1. **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 2011.
2. **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.
3. **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.
4. **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), University of Incheon, Incheon, Korea; March 2013.
5. **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.
6. **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.
7. **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.
8. **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.
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, University of Incheon, 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, University of Incheon, 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., “Developing a decision support tool for malaria control in Liberia,” Liberian History, Education, and Development, Inc. (LHEDDE) 5th Anniversary Jubilee, Greensboro, NC; August 2009.
23. **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.
24. **Kim, D.**, “Policy tools to reduce health disparities: from global to local perspective,” Institute of Urban Affairs, Yonsei University, Seoul, Korea; April 2009.
25. **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.
26. **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.
27. 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.
28. **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.

Achievements: Works in Progress

1. **Kim, D.**, Kim P., Kim C., “Spatial mapping of community-level child immunization coverage in Bangladesh,” *Vaccine*, under review.
2. Seo, S., **Kim, D.**, Paul C., “Variation of housing and behavioral risk factors for allergic diseases among low-income households” *Allergy, Asthma & Immunology Research*, under review.
3. **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,” in preparation for submission to *Journal of Risk Research*.
4. Seo, S., **Kim, D.**, Paul C., “GIS-based ecological analysis of environmental risk factors on allergic diseases in Seoul, Korea,” in preparation for *Journal of Toxicology and Environmental Health*.
5. **Kim, D.**, Seo D., Lee, C., “Impact of food deserts on urban outcomes: Korean perspective,” in preparation for *Urban Studies*.
6. **Kim, D.**, Penny R.G., Lee C., “Equity in voting accessibility in North Carolina,” in preparation for submission to *Policy Review*.
7. **Kim, D.**, Kim B., Lee C., “Does optimization modeling improve policy decisions and implementation? The complexity of joint action in health policy process,” in preparation for submission to *Public Administration Review*.
8. **Kim, D.**, Overstreet M.A., Miranda M.L., “Comparing parcel vs. zip-code level targeted screening programs for childhood lead exposure,” in preparation for submission to *Public Health Reports*.
9. **Kim, D.**, Overstreet, M.A., Miranda, M.L., “Exploring factors on lead levels in soil,” in preparation for submission to *Environmental Research*.
10. Miranda, M.L., **Kim, D.**, Overstreet A., “Empirical validation of childhood lead exposure model,” in preparation for submission to *Environmental Health Perspective*.
11. **Kim, D.**, Fedak C., Kramer R., “A comparative meta-analysis for reduction of malaria prevalence by vector control in Africa,” in preparation.
12. Seo, D., Lee, C., **Kim, D.**, “Exploring success factors of city brand marketing,” in preparation.
13. Roh S., **Kim, D.**, “Reputation as an intangible asset: the case of marketing-sector businesses,” in preparation.
14. **Kim, D.**, “Using discrete choice modeling to measure individual demand for health care services,” in preparation.

Professional and University Citizenship

1. University Activities and Committees

Chair, Electronic Journal Committee, NCCU, 2012~2013
Parliamentarian, Faculty Senate, NCCU, 2011~2012
Member of Advisory Board, Office of International Affairs, NCCU, 2011~2012
Senator for Department of Public Administration, Faculty Senate, NCCU, 2010~2013
Member, Faculty Research and Professional Development Committee, NCCU, 2010~2011
Faculty Editor, Scholarly Online Academic Review of Public Administration, NCCU, 2010~2012
Thesis Committee Member, Department of Public Administration, NCCU, 2010~2013
Member, Website Committee, College of Behavioral and Social Sciences, NCCU, 2009~2011

2. Professional Activities and Committees

Co-Editor-in-Chief, *International Review of Crisis and Emergency Management*, 2012~present
Editorial Board Member, *Public Policy Review*, 2010~ present
Ad Hoc Reviewer, *Science of the Total Environment*, 2012~present
Ad Hoc Reviewer, *Global Health Perspectives*, 2012~present
Ad Hoc Reviewer, *Environmental Science & Technology (ACS Publications)*, 2011~present
Ad Hoc Reviewer, *International Journal of Hygiene and Environmental Health*, 2011~present
Ad Hoc Reviewer, *Archives of Korean Crisis and Emergency Management*, 2010~present
Ad Hoc Reviewer, *International Review of Public Administration*, 2009~present
Ad Hoc Reviewer, *International Journal of Public Administration*, 2009~present
Ad Hoc Abstract Reviewer, International Conference of Global Health, Global Health Council, 2008~2010

3. Courses Taught

University of Texas at Dallas

EPPS 7313 Descriptive and Inferential Statistics
POEC 7317 Economics for Public Policy

North Carolina Central University

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

Hanyang University, Seoul, Korea

DIS 217 International Relations in East Asia

Korea University, Seoul, Korea

PSC 807 Environmental Economics and Management

Seoul National University, Seoul, Korea

Spatial Analysis with Open-Source GIS