

DOHYEONG KIM, Ph.D.

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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 - present:

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 **Incheon National University** (Incheon, Korea).
- Fieldworks for research in **Bangladesh** (Spring 2014), **South Korea** (Summer 2014), and **Tanzania, Kenya, Uganda** (Winter 2014).

June 2011 – June 2013:

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

August 2008 – July 2013:

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

- Average Student Rating: 4.7 out of 5.0
- *Fieldworks for research in **Liberia** (Summer 2009), **South Korea** (Spring 2010, Summer and Winter 2011, Summer 2012, Summer 2013), **Tanzania, Kenya, and Uganda** (Spring 2012).*

Summer 2014

Visiting Instructor, Korean Social Science Data Archive, Seoul, Korea

Summer 2014

Visiting Instructor, Dept. of Public Administration, Yonsei University Graduate School, Seoul, Korea

Summer 2013

Visiting Instructor, Hanyang University International Summer School, 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)

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.

Achievements: Awards and Fellowships

April 2014:

EPPS Outstanding Teaching Comet Award Winner, The University of Texas at Dallas

October 2012:

Research Travel Award, NCCU Foundation, Inc., Durham, NC, USA

July 2011-July 2012:

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

February 2011:

OIA Faculty Development Awards, North Carolina Central University, Durham, NC, USA

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

Achievements: Grants and Proposals

April 2014:

Co-Investigator, Incheon National University International Collaborative Research Grant, Incheon, Korea
(KRW 10,000,000 / USD 9,524 funded)

Grant Title: Reputation as an Intangible Asset: Reflections on Theory and Methods in Empirical Studies of Marketing-Sector Businesses

December 2013:

Principal Investigator, EPPS Advisory Council Grants, The University of Texas at Dallas, USA
(USD 5,000 funded)

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

September 2013:

Principal Investigator (subcontract brought to UTD), R01 Grant, National Institute of Health, USA
(USD 15,948.72 funded)

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

July 2013:

Consultant, Sponsored Research Contract, Korea Institute of Science & Technology Evaluation and Planning, Seoul, Korea
(KRW 3,000,000 / USD 2,857 funded)

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

July 2010 – June 2013:

Principal Investigator (subcontract brought to NCCU), R01 Grant, National Institute of Health, USA
(USD 60,691.07 funded)

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

April 2013:

Co-Investigator, Incheon National University International Collaborative Research Grant, Incheon, Korea
(KRW 10,000,000 / USD 9,524 funded)

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

April 2013:

Co-Investigator, Incheon National University International Collaborative Research Grant, Incheon, Korea
(KRW 10,000,000 / USD 9,524 funded)

Grant Title: Equity in Voting Accessibility

January 2013:

Principal Investigator, North Carolina Department of Transportation (NCDOT), Raleigh, NC, USA
(USD 208,352 requested but not funded)

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

January 2013:

Principal Investigator, North Carolina Department of Transportation (NCDOT), Raleigh, NC, USA
(USD 208,352 requested but not funded)

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

May 2012:

Co-Principal Investigator, General Competitive Grant, National Research Foundation, Seoul, Korea
(KRW 141,000,000 / USD 134,285 funded for 3 years)

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

June 2009 – June 2012:

Principal Investigator (subcontract brought to NCCU), World Health Organization (WHO)
(USD 15,310 funded)

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

April 2012:

Co-Investigator, Incheon National University International Collaboration Research Fund, Incheon, Korea
(KRW 10,000,000 / USD 9,524 funded)

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

April 2012:

Co-Investigator, Incheon National University International Collaboration Research Fund, Incheon, Korea
(KRW 10,000,000 / USD 9,524 funded)

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

February 2011:

Co-Principal Investigator, Faculty-Student Scholarly/Creative Productivity Initiative, North Carolina Central University
(USD 5,000 requested but not funded)

Proposal Title: Impact of Affordable Housing: A Spatial Analysis of Habitat for Humanity Houses (2000-2010), Durham, North Carolina

August 2010:

Co-Principal Investigator, Community Challenge Planning Grants and TIGER II Planning Grants, U.S. Department of Transportation & U.S. Department of Housing & Urban Development
(USD 30,000 requested but not funded)

Project Title: Durham TIGER II Evaluation

October 2009:

Co-Principal Investigator, Seoul Metropolitan Council Research Competitive Project, Seoul, Korea
(KRW 20,000,000 / USD 19,047 funded)

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

June 2009:

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

Grant Title: Clinical & Translational Science Awards

May 2009:

Principle Investigator, Research Grant for Ministry of Health & Social Affairs, Republic of Liberia
(USD 70,000 requested but not funded)

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

March 2008:

Co-Principle Investigator, Izumi Foundation, Boston, MA, USA
(USD 100,000 requested but not funded)

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

March 2004:

Investigator, BME Lab Grant, School of Public Health, Univ. of North Carolina at Chapel Hill, USA
(USD 3,000 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

Achievements: Referred Publications (347 citations as of May 2014)

(*graduate student)

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*, forthcoming (SCI Journal Rank 33/80 in Water Resources; IF 1.597, 5-year IF 1.747)
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. (SCI Journal Rank 10/23 in Allergy; IF 2.653, 5-year IF 2.513)

3. **Kim, D.**, Lauria D.T., Poulos C., Dong B., Whittington D., 2013, "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. (SSCI Journal Rank 110/139 in Public, Environmental & Occupational Health; IF 0.787, 5-year IF 0.928; Google Scholar: 1 citation)
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. (SCI Journal Rank 37/161 in Public, Environmental & Occupational Health ; IF 2.534, 5-year IF 2.896; featured article; Google Scholar: 6 citations)
6. **Kim, D.**, Lauria D.T., Whittington D., 2012, "Selecting optimal prices and outpost locations for rural vaccination campaigns," *International Regional Science Review*, doi:10.1177/0160017612461505. (SSCI Journal Rank 12/38 in Urban Studies; IF 1.257, 5-year IF 1.407; Google Scholar: 2 citations)
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. (SCI Journal Rank 7/210 in Environmental Sciences; IF 5.257, 5-year IF 5.865; Google Scholar: 7 citations)
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. (SCI Journal Rank 32/161 in Public, Environmental & Occupational Health; IF 2.867, 5-year IF 2.754; Google Scholar: 12 citations)
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. (1 citation)
11. 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.
12. 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. (SCI Journal Rank 3/22 in Tropical Medicine; IF 2.938, 5-year IF 2.988; Google Scholar: 8 citations)
13. 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. (Google Scholar: 14 citations)

14. Miranda, M.L., **Kim D.**, Reiter J., Overstreet A., Maxson P., 2009, "Environmental contributors to the achievement gap," *Neurotoxicology*, 30:1019-1024. (SCI Journal Rank 33/85 in Toxicology; IF 2.652, 5-year IF 3.269; Google Scholar: 37 citations)
15. 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 Rank 15/47 in Public Administration; IF 1.016, 5-year IF 1.386; Google Scholar: 4 citations)
16. **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 Rank 2/161 in Public, Environmental & Occupational Health; IF 7.260, 5-year IF 7.522; Google Scholar: 18 citations)
17. 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. (Google Scholar: 2 citations)
18. **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 Rank 36/333 in Economics; IF 2.191, 5-year IF 2.903; Google Scholar: 35 citations)
19. 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.
20. 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 Rank 2/161 in Public, Environmental & Occupational Health; IF 7.260, 5-year IF 7.522; featured article; Google Scholar: 134 citations)
21. 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 Rank 2/161 in Public, Environmental & Occupational Health; IF 7.260, 5-year IF 7.522; Google Scholar: 35 citations)
22. 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 Rank 4/67 in Health Policy & Services; IF 3.056, 5-year IF 3.452; Google Scholar: 30 citations)

Achievements: Non-referred Publications

1. "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.)
2. "Malaria Decision Analysis Support Tool (MDAST): Evaluating health, social and environmental impacts and policy tradeoffs: User Manual," June 2013. (with Brown Z. et al.)

3. “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*). (with Lee, W. et al.)
4. “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).
5. “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*). (with Kim Y.)
6. “Developing a targeted screening policy for preventing childhood lead poisoning in Seoul,” Final Report to Seoul Metropolitan Council, January 2010 (*in Korean*). (with Choi, J.)
7. “Lead hazards in housing: Childhood lead exposure in Washington’s communities,” Community, Trade, and Economic Department, State of Washington, USA, December 2005. (with Bergman M., et al.)
8. “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.)

Achievements: Works Under Review or in Progress

1. Seo S., **Kim D.** (corresponding author), Min S.*, Paul C., Choung J., “Neighborhood-level association between PM10 concentration and asthma prevalence in Seoul, Korea,” *Asia Pacific Journal of Public Health*, under review.
2. **Kim, D.** Serre M., “Spatial mapping of community-level child immunization coverage in Bangladesh,” *International Journal of Health Geographics*, under review.
3. “Comparing parcel vs. zip-code level targeted screening programs for childhood lead exposure,” in preparation for submission to *Public Health Reports*.
4. “Value of information in decision-analytic modeling for malaria control in Africa,” in preparation for submission to *Journal of Risk Research*.
5. “Does food deserts approach apply to the Asian context?: Preliminary evidence from Incheon, Korea,” in preparation for submission to *Asia Pacific Journal of Public Health*.
6. “An Asian perspective on healthy food accessibility: food desert or food jungle?,” in preparation for submission to *Health Education Journal*.
7. “Using discrete choice modeling to measure individual demand for typhoid fever vaccines in China,” in preparation for submission to *Health Policy*.
8. “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*.
9. “Evaluating usability of spatial tools for public health policymaking in Bangladesh,” in preparation for submission to *Public Health*.

10. "Reputation as an intangible asset: the case of marketing-sector businesses," in preparation for submission to *International Marketing Review*.
11. "Spatial and temporal equality in voting accessibility: The case of North Carolina," in preparation for submission to *Environment and Planning C: Government and Policy*.
12. "A comparative meta-analysis for reduction of malaria prevalence by vector control in Africa," in preparation for *American Journal of Tropical Medicine and Hygiene*.
13. "Stakeholder development of the malaria analysis and support tool," in preparation.
14. "Evaluating the contribution of the field experiments to better decision making for malaria control by value of information analysis: case of Mvomero, Tanzania," in preparation.
15. "Exploring success factors of city brand marketing," in preparation.
16. "Spatial autocorrelation and geographical targeting of health interventions," in preparation.
17. "Application of GPS system for targeted intervention for asthma," in preparation.

Achievements: Appearance on Media

UT Dallas Website, 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 Website, 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.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: Refereed Presentations

1. **Kim, D.**, Vyas P., “Spatial autocorrelation and geographical targeting of health interventions,” Association for Public Policy Analysis and Management (APPAM) fall conference, Albuquerque, NM, USA; November 2014. (submitted)
2. **Kim D.**, Min S., Paul C., 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, Youngdong, Chungbuk, Korea; July 2014. (accepted)
3. **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.
4. **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.
5. **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.
6. 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.
7. **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.
8. 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.
9. **Kim, D.**, Penny R., “Equity in Voting Accessibility in North Carolina,” 12th Annual Social Equity Leadership Conference, Raleigh, NC, USA; June 2013.

10. 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.
11. **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.
12. **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.
13. 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.
14. **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.
15. 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.
16. 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.
17. **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.
18. **Kim, D.**, “Enhancing social equity by food deserts eradication,” 11th Annual Social Equity Leadership Conference, Savannah, GA, USA; June 2012.
19. 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.
20. **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).
21. **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.
22. 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.

23. **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.
24. **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.
25. 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.
26. 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.
27. 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.
28. **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.
29. 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.
30. **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.
31. **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.
32. 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.
33. **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.
34. **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.

35. 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.
36. 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.
37. **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.
38. 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.
39. **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.
40. **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.
41. 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.
42. 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.
43. **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.
44. **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.
45. **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.
46. **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.

47. **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.
48. **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.
49. **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.**, “Value of information in decision-analytic modeling for evidence-based health policy”, Yonsei International Symposium, Yonsei University, Seoul, Korea; June 2014.
2. **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.
3. **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.
4. **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.
5. **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.
6. **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.
7. **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.
8. **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.
9. **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.

10. **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.
11. **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.
12. **Kim, D.**, “Use of GIS and spatial analysis for health policy”, Graduate School of Public Health, Seoul National University, Seoul, Korea; July 2012.
13. **Kim, D.**, “Spatial modeling for groundwater arsenic levels”, K-Water, Daejeon, Korea; July 2012.
14. **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.
15. **Kim, D.**, “Decision Analysis and value of information analysis”, Methodology Colloquium, Institute of Government Studies, Korea University, Seoul, Korea; July 2012.
16. **Kim, D.**, “Application of Quantum GIS for climate research”, Workshop on the Better Way to Use Weather and Climate Information, Pukyong National University, Busan, Korea; July 2012.
17. **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.
18. **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.
19. **Kim, D.**, “Crisis management for saving public goods: Cost-benefit analysis perspective,” Department of Public Administration, Chungbuk National University, Cheongju, Korea; December 2011.
20. **Kim, D.**, “Analyzing environmental risks and benefits of environmental quality improvement,” Department of Public Administration, Chungbuk National University, Cheongju, Korea; July 2011.
21. **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.
22. **Kim, D.**, “GIS applications in environmental health research,” Institute for Occupational and Environmental Health, Korea University, Seoul, Korea; July 2011.
23. **Kim, D.**, “Spatial modeling for informed decision-making in environmental health policy,” Graduate School of Public Administration, Seoul National University, Seoul, Korea; July 2011.
24. 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.

25. **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.
26. **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.
27. **Kim, D.**, “Policy tools to reduce health disparities: from global to local perspective,” Institute of Urban Affairs, Yonsei University, Seoul, Korea; April 2009.
28. **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.
29. **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.
30. 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.
31. **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.

Professional and University Citizenship

1. University Activities and Committees

Program Committee, Public Policy and Political Economy Program, UTD, 2013~2014
 Methods Qualifying Exam Committee, Public Policy and Political Economy Program, UTD, 2013~2014
 GIS and Statistics Curriculum Subcommittee, Geospatial Science Program, 2013~2014
 Parliamentarian, Faculty Senate, North Carolina Central University, 2012
 Chair, Electronic Journal Committee, North Carolina Central University, 2012~2013
 Member of Advisory Board, Office of International Affairs, North Carolina Central University, 2011~2013
 Faculty Senate, North Carolina Central University, 2010~2013
 Member, Faculty Research and Professional Development Committee, North Carolina Central University, 2010~2011
 Faculty Editor, Scholarly Online Academic Review of Public Administration, North Carolina Central University, 2010~2012
 Thesis Committee Member, Department of Public Administration, North Carolina Central University, 2010~2013
 Member, Website Committee, College of Behavioral and Social Sciences, North Carolina Central University, 2009~2011

2. Professional Activities and Committees

Chairperson, International Cooperation Committee, The Korea Policy Forum, 2014~present
 Co-Editor-in-Chief, *International Review of Crisis and Emergency Management*, 2013~present

Chairperson, International Affairs Committee, International Society for Crisis and Emergency Management, 2011~present

Chairperson, International Relations Committee, Korean Association for Crisis and Emergency Management, 2011~2012

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, 2014~present

Editorial Board Member, *Public Policy Review*, 2010~present

International Board Member, Korean Association for Public Administration, 2014

International Board Member, Korean Police Studies Association, 2014

Steering Committee Member, Korean Association for Policy Studies, 2013

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

3. Professional Memberships

Association of Public Policy and Management

Association of Collegiate Schools of Planning

International Society for Crisis and Emergency Management

Korean Association for Public Administration

American Society for Public Administration

American Public Health Association

Global Health Council

International Health Economics Association

Korean Association for Crisis and Emergency Management

Korean Association for Policy Studies

Korean Police Studies Association

Association of American Geographers

Teaching and Advising Experiences

1. Classroom Teaching

The University of Texas at Dallas, Richardson, TX (Fall 2013 ~)

<u>Semester</u>	<u>Course Number</u>	<u>Course Name</u>	<u>Enrollment</u>
Fall 2013	EPPS 7313	Descriptive and Inferential Statistics	20
Spring 2014	POEC 6321	Economics for Public Policy	23

Summer 2014	EPPS 6313	Introduction to Quantitative Methods	9
Fall 2014	PPPE/GISC 6334	Workshop in Environmental and Health GIS and Policy	
	EPPS 7313	Descriptive and Inferential Statistics	
Spring 2015	IPEC/GISC 4384	Health and Environmental GIS and Policy: A Global Perspective	
	PPPE 6321	Economics for Public Policy	
	BIOL 1V00.PAC	Global Health	

North Carolina Central University, Durham, NC (Fall 2008 ~ Summer 2013)

*Mean 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

Research Methodology Workshop, Korea Social Science Data Archive, Seoul, Korea (Summer 2014)

Introductory Statistics

Spatial Data Analysis

Yonsei University Graduate School, Seoul, Korea (Summer 2014)

GIS/Spatial Analysis for Public Policy

Hanyang University International Summer School, Seoul, Korea (Summer 2013)

DIS 217 International Relations in East Asia

Korea University – Seoul Metropolitan Government Program, Graduate School of Policy Studies, Korea University, Seoul, Korea (Summer 2011, Summer 2012)

PSC 807 Environmental Economics and Management

Invited Workshop, Graduate School of Public Administration, Seoul National University, Seoul, Korea (Winter 2011)

Spatial Analysis with Open-Source GIS

2. Student Advising (UTD only)

Ph.D Dissertation Committee Served

1. Ms. Ferzana Havewala, Dissertation on “The Food Environment and Residential Segregation” (2014-)
2. Mr. Xiang Cai, Dissertation on “Affordable Housing Policies in China: A Comparative Case Study” (2014-)
3. Mr. Kwang Bin Bae (2014-)

Ph.D Student Progress Supervision (pre-Dissertation Stage)

1. Priyanka Vyas (supervising the project funded by the EPPS Advisory Council Grant)
2. Soojin Min (supervising the projects funded by the KRF Grant)
3. Anh Pham
4. Yi-En Tso