

**CURRICULUM VITAE****Hyun Kim, ScD, MSc, BSc****IDENTIFYING INFORMATION****Academic Rank**

Associate Professor (tenured), Division of Environmental Health Sciences, School of Public Health, University of Minnesota

Graduate Faculty Appointment in Division of Environmental Health Sciences, University of Minnesota

**Education**

<b>Degree</b>	<b>Institution</b>	<b>Date Degree Granted</b>
B.S.	Dongguk University, Seoul, Korea Physics	2000
M.Sc.	University of Massachusetts Lowell, MA, USA Epidemiology	2004
Sc.D.	University of Massachusetts Lowell, MA, USA Epidemiology [Advisor for Sc.D.: David Kriebel, Sc.D.]	2008

**Licenses, certifications, certificates, etc.**

Meteorologist certification from Republic of Korea Air force 1997

**Positions/Employment**

University of Minnesota, Twin Cities, MN, USA

- Associate Professor (Tenured), Division of Environmental Health Sciences, School of Public Health 2020-present
- Graduate director, Climate Change and Health 2021-present
- Director, Regional Injury Prevention Research Center 2021-present
- Co-director, Occupational and Environmental Epidemiology, Midwest Center for Occupational Health and Safety 2019-present
- Co-director, Occupational Injury Prevention, Midwest Center for Occupational Health and Safety 2019-present
- Associate Professor (Graduate Faculty), Human Factors and Ergonomics, 2020-present

## College of Design

- Assistant Professor (Tenure-track), School of Public Health	2015-2020
The University of the Philippines Manila, Manila, the Philippines Visiting Professor, College of Public Health	2018-present
Zucker School of Medicine at Hofstra/Northwell, NY, USA Assistant Professor (tenure track)	2010-2015
Adjunct Clinical Associate Professor	2015-present
Icahn School of Medicine at Mount Sinai, NY, USA Community and Preventive Medicine	2008-2010
Instructor (tenure track)	
Adjunct Assistant Professor	2010-2015
Icahn School of Medicine at Mount Sinai, NY, USA Co-Director of Disease Surveillance	2008-2010
World Trade Center Medical Monitoring and Treatment Program	
University of Massachusetts Lowell, MA, USA Teaching Assistant/Research Assistant	2002-2008
Washington Department of Labor and Industries, WA, USA Epidemiologist	2004-2005
Massachusetts Department of Public Health, MA, USA Research Analyst	2002-2004
Internship	2002
Seoul National University, Seoul, ROK Research Coordinator	1997-2001
Republic of Korea Air Force, Sungnam, ROK Meteorologist	1996-1997

***Consultant/Professional Service***

1. Project Coordinator, World Health Organization, Division of Pacific Technical Support, Pacific Climate Change and Environment Program
  - Coordinating implementation of two KOICA funded projects for Fiji (5.5M USD) and Kiribati outer islands (6M USD)
2. Consultant, World Health Organization, Headquarter, 2020
  - Developing and implementing climate-sensitive diseases early warning systems and a SOP guidance in ten countries
  - Developing a global guidance, "Climate change adaptation technologies for healthcare facilities"
3. Consultant, World Health Organization, Division of Pacific Technical Support, 2019

- Conducted assessment on scientific evidence of climate change and health in 23 Pacific Island countries and areas
  - Provide technical support on climate resilience building in health sector in the Pacific
4. Consultant, World Health Organization, Western Pacific Regional Office, 2018-present
    - Conducted vulnerability and adaptation assessment in Kiribati
    - Conducted vulnerability and adaptation assessment in Tuvalu
    - Regional project manager, Global Environment Facility (GEF, UNEP) funded “Building Resilience of Health Systems in Asian LDCs to Climate Change.”
    - Provide technical support on Green Climate Fund (GCF) Readiness proposal development of WHO member states globally
    - Developed a regional project proposal “Improving occupational health and safety in Cambodia, Lao People’s Democratic Republic (PDR), and Vietnam” to access the South to South Assistance Cooperation Fund
    - Provide technical support on the revision of the Intended Nationally Determined Contributions (iNDCs) for the health sector
    - Developed GCF project concept note development, the Philippines
    - Developed GCF SAP concept note development, Vietnam
    - Developed GCF SAP concept note development, Lao PDR
    - Developed Korea International Cooperation Agency (KOICA) concept paper for cross-program project in climate change and maternal children health
    - Developed GCF project concept note development, Mongolia
    - Provided technical support on air pollution reduction and health effects in Mongolia
  5. Technical Advisor, Workers Union against Occupational Injury and Diseases, Korea, Assessment on workload among postal workers to prevent suicide, 2018  
*(As a result of the consultation report, the President of Korea formed a special force to prevent postal workers’ suicide. Since then, no suicide in the group has been reported.)*
  6. Consultant, Seoul National University, Korea, Health impact by using community-based rainwater harvesting system in Vietnam, 2018  
*(Conducted epidemiologic assessment to understand the preventive effect of water-borne diseases after using rainwater. My assessment found no water-borne diseases occurrence since rainwater used)*
  7. Scientific advisor, Eliminating Health Disparity Initiative, Mental Health and Well-being of Asian American Community, Minnesota, 2015-present
  8. Epidemiology consultant, Worker Health Protection Program, Center for the Biology of Natural Systems, Queens College, NY, 2010-2015
  9. Epidemiologist, NYS Occupational Health Clinic Network, Occupational & Environmental Medicine of Long Island affiliated with North Shore - LIJ Health System, New York, 2013-2015

#### **Current and Past Membership in Professional Organizations/Societies**

Member, American Public Health Association	2002-Present
Member, Society for Epidemiologic Research	2002-Present

## HONORS AND AWARDS RECEIVED FOR RESEARCH/CREATIVE WORK, TEACHING EFFECTIVENESS, PUBLIC ENGAGEMENT, AND SERVICE

### Internal Sources: University of Minnesota

Delta Omega Honorary Society in Public Health, Pi Chapter 2016

### External Sources: Federal/National/Statewide

Scholarship Award Department of Work Environment (Top among doctoral students), University of Massachusetts Lowell 2008

Poster Prize, Society for Epidemiologic Research 2006

Student Travel Award (Top 10 best abstracts) Society for Epidemiologic Research 2006

Outstanding Academic Achievement Award, Korean Graduate Student Association, University of Massachusetts Lowell 2004

### Visiting Professorships or Visiting Scholar Positions

University of the Philippines Manila, College of Public Health Visiting Professor 2018-Present

## RESEARCH, SCHOLARSHIP, AND CREATIVE WORK

### Grants and Contracts

#### *Received at the University of Minnesota*

#### **Grant Currently Funded**

##### *External Sources: Federal/National*

Role: Principal Investigator  
 Name of PI: Hyun Kim  
 Source: CDC/NIOSH  
 Type: MCOHS-ERC Pilot grant  
 Title: Assessing Burden of Post-Traumatic Stress Disorder among Minnesota Firefighters  
 Dates: 2018-2019  
 Direct Costs: \$18,249  
 Purpose: To assess PTSD risk among Minnesota firefighters by employing a qualitative research method to generate a research hypothesis that will lead to state-wide survey to quantify the risk.

#### **Grants Submitted and Under Review**

##### *External Sources: Federal/National*

Role: Principal Investigator  
 Name of PI: Hyun Kim  
 Source: FEMA  
 Type: AFG R&D

Title: Assessing Post-Traumatic Stress Disorder Risk in Minnesota Firefighters  
 Dates: 2019-2021  
 Direct Costs: \$401,179  
 Purpose: To conduct state-wide survey to establish a baseline PTSD risk assessment and to perform feasibility of implementing long-term prospective cohort study.

Role: Faculty Advisor  
 Name of PI: Douglas DeMoulin [Student], University of Minnesota SPH  
 Source: CDC/NIOSH  
 Type: MCOHS-ERC Pilot grant  
 Title: Moral Injury: Need for a Measurement Tool for Firefighters, MCOHS-ERC Pilot Grant  
 Dates: 2019-2020  
 Direct Costs: \$20,000  
 Purpose: To develop an assessment tool for moral injury among firefighters by modifying military version moral injury assessment tool.

***External Sources: International***

Role: Sub-contract Principal Investigator  
 Name of PI: Hyun Kim (Main PI: Kiyoun Lee)  
 Source: ASEAN Cooperation  
 Type: Multi-national project  
 Title: Clean Air for Sustainable ASEAN  
 Dates: 2023-2026  
 Direct Costs: \$10,000,000  
 Purpose: The programme aims to provide a comprehensive support for ASEAN Member States (AMS) to mitigate air pollution and its negative impact on health through political, scientific, and technical measures.

Role: Co-investigator  
 Name of PI: Jiho Cha  
 Source: KOFIH  
 Type: Project  
 Title: Humanitarian-Development-Peace Nexus for health framework development  
 Dates: 2023-2023  
 Direct Costs: \$100,000  
 Purpose: To develop a framework for Humanitarian-Development-Peace Nexus for health to establish a collaborative environment for various key actors in the three areas.

Role: Project coordinator  
 Name of PI: World Health Organization  
 Source: Korea International Cooperation Agency  
 Type: Project  
 Title: Strengthening Health Adaptation Project: Responding to Climate Change in Fiji  
 Dates: 4 years (~2020-2023)  
 Direct Costs: \$5,500,000

Purpose: Strengthening climate change resilience in health systems in Fiji  
 Role: Project coordinator  
 Name of PI: World Health Organization  
 Source: Korea International Cooperation Agency  
 Type: Project  
 Title: Making Health Adaptation for the Future Resilient Islands - Kiribati Outer Islands for Climate Health Action (Te Ma MAURI KOICA)  
 Dates: 4 years (~2022-2025)  
 Direct Costs: \$6,000,000  
 Purpose: Strengthening climate change resilience in healthcare facilities, schools, and communities in outer island of Kiribati

Role: Initial developer  
 Name of PI: Department of Health, the Philippines  
 Source: United Nations, Green Climate Fund  
 Type: Full proposal  
 Title: Strengthening health sector resilience from climate change induced disasters in the Philippines  
 Dates: 5 years (~2020-2025)  
 Direct Costs: \$250,000,000  
 Purpose: To develop a country level climate change adaptation project aiming United Nations' climate change mitigation and adaptation fund

Role: Initial developer  
 Name of PI: Ministry of Health, Lao People's Democratic Republic  
 Source: United Nations, Green Climate Fund  
 Type: Full project  
 Title: Strengthening Climate Resilience of the Lao PDR Health System  
 Dates: 5 years (~2022-2027)  
 Direct Costs: \$41,920,000  
 Purpose: To strengthen the climate resilience of the health system through multiple, related approaches

Role: Full developer  
 Name of PI: Ministry of Health, Lao People's Democratic Republic  
 Source: Korea International Cooperation Agency (KOICA)  
 Type: ODA project  
 Title: Climate resilient WASH in healthcare facilities to improve reproductive, maternal, newborn and child health in Northern Lao PDR  
 Dates: 5 years (~2022-2027)  
 Direct Costs: \$5,000,000  
 Purpose: To strengthen the climate resilience of the health system through multiple, related approaches

Role: Initial developer  
 Name of PI: Ministry of Health, Lao People's Democratic Republic  
 Source: United Nations, Green Climate Fund  
 Type: Readiness  
 Title: Enhancing Lao PDR Health Sector Capacity in Managing Health Adaptation Plan and Access to GCF

Dates: 2 years (~2022-2024)  
 Direct Costs: \$300,924  
 Purpose: To develop a country level climate change adaptation project aiming United Nations' climate change mitigation and adaptation fund

Role: Initial developer  
 Name of PI: Ministry of Construction, Vietnam  
 Source: United Nations, Green Climate Fund  
 Type: SAP  
 Title: Strengthening Management of Climate Resilient Health and Water Sectors to meet SDG 3 and 6 Targets

Dates: 5 years (~2020-2025)  
 Direct Costs: \$10,000,000  
 Purpose: To develop a country level climate change adaptation project aiming United Nations' climate change mitigation and adaptation fund

Role: Initial developer  
 Name of PI: Ministry of Health, Mongolia  
 Source: United Nations, Green Climate Fund  
 Type: SAP  
 Title: Climate Resilience Building in Health Sector to Protect Mongolian's Health and Wellbeing

Dates: 5 years (~2020-2025)  
 Direct Costs: \$20,000,000  
 Purpose: To develop a country level climate change adaptation project aiming United Nations' climate change mitigation and adaptation fund

Role: Full developer  
 Name of PI: World Health Organization, Western Pacific Regional Office  
 Source: South-South Cooperation  
 Type: Regional project  
 Title: Improving occupational health and safety in Cambodia, Lao People's Democratic Republic (PDR), and Vietnam  
 Dates: 3 years (~2018-2021)  
 Direct Costs: \$2,000,000  
 Purpose: To develop a regional level occupational health and safety project aiming South-South Cooperation fund by China

## **Grants Previously Funded and Concluded**

### ***External Sources: Federal/National***

Role: Multiple PIs  
 Name of PI: Patricia McGovern (main with financial responsibility), University of Minnesota SPH, Hyun Kim (with research method responsibility)  
 Source: CDC/NIOSH  
 Type: MCOHS-ERC Pilot grant  
 Title: Caring for Care-Givers: Testing the Impact of a Worksite Health Improvement Intervention, MCOHS-ERC Pilot grant  
 Dates: 2016-2017  
 Direct Costs: \$20,000

Purpose: To test worksite intervention for health improvement at nursing homes.

Role: Co-Advisor

Name of PI: Disi Tian [Student], University of Minnesota SPH

Source: CDC/NIOSH

Type: MCOHS-ERC Pilot grant

Title: A Randomized Controlled Trial of Driving Behaviors among Teenage Drivers during the First Year of Licensure: Implications for Prevention of Occupational Transportation-Related Mortality and Morbidity, MCOHS-ERC Pilot grant

Dates: 2016-2017

Direct Costs: \$20,000

Purpose: To test the effectiveness of intervention for teen drivers' risky behavior.

Role: Co-Advisor

Name of PI: Deirdre Green [Student], University of Minnesota SPH

Source: CDC/NIOSH

Type: MCOHS-ERC Pilot grant

Title: Health and Injury Study of Janitorial Service Employees, MCOHS-ERC Pilot Grant

Dates: 2016-2017

Direct Costs: \$20,000

Purpose: To measure workload among janitors in Twin-cities using the direct measurement instrument.

Role: Co-Advisor

Name of PI: Navneet Baidwan [Student], University of Minnesota SPH

Source: CDC/NIOSH

Type: MCOHS-ERC Pilot grant

Title: Association between personal and work-related exposures and the occurrence of occupational injuries in an aging working population, MCOHS-ERC Pilot Grant

Dates: 2016-2017

Direct Costs: \$20,000

Purpose: To conduct a longitudinal analysis for occupational injury risk using nationwide survey data for the retired population.

Role: Co-Advisor

Name of PI: Adam Schwartz [Student], University of Minnesota SPH

Source: CDC/NIOSH

Type: MCOHS-ERC Pilot grant

Title: Janitors' Workload and Injury Study, MCOHS-ERC Pilot Grant

Dates: 2016-2017

Direct Costs: \$20,000

Purpose: To assess the ergonomic risk of janitorial tasks.

***Internal Sources: University of Minnesota***

Role: Multiple PIs

Multiple PIs: Hyun Kim (main with financial responsibility), Jonathan Oliver, University of Minnesota, SPH (equally with main PI)

Source: International Travel Grant Award

Title: Climate change induced disasters and the impact among first responders in Fiji



Type:  
 Dates: 2017  
 Direct Costs: \$2,500  
 Purpose: To initiate a collaborative project related to climate change and disasters in the Pacific islands

*Received at Other Institution(s)*

**Grants Previously Funded and Concluded**

*External Sources: Federal/National*

Role: Principal Investigator [Subcontract]  
 Name of PI: Emanuela Taioli, Zucker School of Medicine at Hofstra/Northwell  
 Source: ASPR  
 Type: U01  
 Title: Post-Sandy health consequences and epidemiologic use of integrated Sandy data, U01 HIT2014000239  
 Dates: 2015-2017  
 Direct Costs: \$400,000  
 Purpose: To develop a new method to utilize existing health databases for rapid assessment of health impact after devastating disasters.

Role: Co-Investigator  
 Name of PI: Jonathan Dropkin, Zucker School of Medicine at Hofstra/Northwell  
 Source: CDC/NIOSH  
 Type: NY/NJ Pilot grant  
 Title: Workers' Compensation claims process and treatment of musculoskeletal injuries among Equity actors  
 Dates: 2015-2016  
 Direct Costs: \$10,000  
 Purpose: To assess the barriers in workers' compensation claim process and to access healthcare for musculoskeletal injuries among actors and actresses in New York City.

Role: Multiple PIs  
 Multiple PIs: Hyun Kim (main with financial responsibility), David Kriebel (with research responsibility), University of Massachusetts Lowell  
 Source: CDC/NIOSH  
 Type: U01 OH010730-01  
 Title: Assessing the Impacts of Epidemiologic Biases in WTC Health Studies  
 Type: U01  
 Dates: 2014-2017  
 Total Costs: \$1,000,000  
 Purpose: To assess epidemiologic bias impact in World Trade Center Health Program cohort data.

Role: Principal Investigator  
 Name of PI: Hyun Kim  
 Source: CDC/NIOSH  
 Type: U01 OH010399-01  
 Title: Health and socioeconomic sequelae of the WTC disaster among responders

Dates: 2012-2015  
 Total Costs: \$1,000,000  
 Purpose: To measure socioeconomic impact among responders from 9/11 World Trade Center disaster.

Role: Co-Investigator  
 Name of PI: Emanuela Taioli and Rebecca Schwartz, Zucker School of Medicine at Hofstra/Northwell

Source: CDC/PHPR  
 Type: U01 TP000573-01  
 Title: Development of a vulnerability profile of the psychological sequelae of Hurricane Sandy

Dates: 2013-2015  
 Direct and Indirect Costs: \$600,000  
 Purpose: To measure mental health impact from Hurricane Sandy and to develop a vulnerability profile in Long Island residents

Role: Co-Investigator  
 Name of PI: Jonathan Dropkin, Zucker School of Medicine at Hofstra/Northwell  
 Source: CDC/NIOSH  
 Type: NY/NJ ERC pilot grant  
 Title: Qualitative and Quantitative Research Methods for Emergency Medical Service Workers

Dates: 2013-2014  
 Direct Costs: \$10,000  
 Purpose: To understand injury risks among emergency medical service workers by employing both qualitative and quantitative research methods

Role: Consultant  
 Name of PI: Grace Sembajwe, City University of New York  
 Source: CDC/NIOSH  
 Type: NY/NJ ERC pilot grant  
 Title: Analysis of OSHA Data Initiative (ODI) Injury/Illness rates from 1996 to 2010  
 Dates: 2013-2014  
 Direct Costs: \$10,000  
 Purpose: To understand the effect of occupational health and safety policy between states in United States.

Role: Co-Director of disease surveillance  
 Name of PI: Philip Landrigan, Icahn School of Medicine at Mount Sinai  
 Source: CDC/NIOSH  
 Type: U10 OH008232  
 Title: The World Trade Center Medical Monitoring and Treatment Program Data and Coordination Center  
 Dates: 2004-2010  
 Purpose: This is an on-going cohort for 9/11 WTC responders.

### **Grants Previously Funded and Concluded**

*External Sources: Federal/National – Student Grants*

Role: Co-Principal Investigator  
 Multiple PIs: David Kriebel (advisor), University of Massachusetts Lowell and Hyun Kim  
 (could not be the main PI due to being in 1<sup>st</sup> year of master's program but with  
 financial responsibility)  
 Source: CDC/NIOSH  
 Type: New England ERC Pilot grant  
 Title: Effect of sharps injury rates with various denominators on rank order of  
 hospitals  
 Dates: 2003-2004  
 Direct Costs: \$7,000  
 Purpose: To identify the best denominator for sharps injury rate calculation.

Role: Research Assistant (Doctoral student)  
 Name of PI: Margaret Quinn, University of Massachusetts Lowell  
 Source: CDC/NIOSH  
 Type: R01 OH008229  
 Title: Project SHARRP – Safe Homecare and Risk Reduction for Providers  
 Dates: 2005-2008  
 Direct Costs: \$4,000,000  
 Purpose: To measure sharps injury risks among home healthcare workers.

### **Grants Submitted and Not Funded**

#### ***External Sources: Federal/National***

Role: Principal Investigator  
 Name of PI: Hyun Kim  
 Source: CDC/NIOSH  
 Type: R21  
 Title: Assessing Post-Traumatic Stress Disorder Risk in Minnesota Firefighters, R21  
 Dates: 2018-2020  
 Direct Costs: \$415,118  
 Purpose: To assess PTSD risk among Minnesota firefighter using state-wide survey.  
 Original Submission date: July 2018

Role: Co-Investigator  
 Multiple PIs: Jonathan Oliver, University of Minnesota SPH (Partnering); PI: Ian Sutherland,  
 US Navy  
 Source: Department of Defense  
 Type: PRMRP 2017  
 Title: New Tools for Rapid Identification and Detection of Vectors and Pathogens  
 Dates: 2018-2021, Unfunded  
 Direct Costs: \$1,500,000  
 Purpose: To develop new tools for rapid vector-borne surveillance.  
 Original Submission date: December 2017

Role: Principal Investigator  
 Name of PI: Hyun Kim  
 Source: Department of State  
 Type: 2017-EAP-SUVAREO

Title: Feasibility evaluation of disaster injury surveillance system in Fiji  
 Dates: 2017-2019  
 Direct Costs: \$39,999  
 Purpose: To evaluate the feasibility of disaster and injury surveillance system in Fiji.  
 Original Submission date: July 2017

Role: Multiple PIs  
 Multiple PIs: Susan Gerberich (with financial responsibility), University of Minnesota SPH and Hyun Kim (equally with Susan Gerberich)  
 Source: CDC/NIOSH  
 Type: U01  
 Title: World Trade Center General Responder Injuries: Risks and Short- and Long-Term Consequences, U01  
 Dates: 2017-2019; Original submission 2017, scored 38. Resubmitted: 2018, finally unfunded  
 Direct Costs: \$1,500,000  
 Purpose: To measure injury risk among WTC responders  
 Original Submission date: November 2017

Role: Principal Investigator  
 Name of PI: Hyun Kim  
 Source: The Institute on the Environment  
 Type: Mini grant  
 Title: Climate change induced disasters and the impact among first responders and cleanup workers in Fiji  
 Dates: 2017  
 Direct Costs: \$3,000  
 Purpose: To study disaster impact on first responders injury from Tropical Cyclone Winston in Fiji, 2017  
 Original Submission date: February 2017

Role: Co-Principal Investigator  
 Multiple PIs Jonathan Dropkin, Zucker School of Medicine at Hofstra/Northwell, Hyun Kim  
 Source: Magistro Family Research Grant  
 Title: Stair chair use and risk of low back injuries among Emergency Medical Service workers  
 Dates: 2015  
 Direct Costs: \$80,000  
 Purpose: To develop engineering interventions to protect emergency medical service workers from patient lifting  
 Original Submission date: October 2014

Role: Multiple PIs  
 Multiple PIs: Grace Sembajwe (with overall financial responsibility), City University of New York, Susan Woskie (with partial financial responsibility), University of Massachusetts Lowell, Hyun Kim (with partial financial responsibility)  
 Source: CDC/NIOSH  
 Type: U01  
 Title: A comprehensive job exposure matrix for WTC responders  
 Dates: 2014  
 Direct Costs: \$2,000,000

Purpose: To develop a job exposure matrix for WTC responders to improve past exposure estimation

Original Submission date: November 2013

Role: Principal Investigator

Name of PI: Hyun Kim

Source: CDC/NIOSH

Type: R21

Title: EMS workers: acute injury, transition to chronic MSDs, and intervention, R21

Date: 2014

Direct Costs: \$500,000

Purpose: To understand overall causal pathways for musculoskeletal disorders among emergency medical service workers and to develop interventions.

Original Submission date: February 2013

Role: Principal Investigator

Name of PI: Hyun Kim

Source: CDC/NIOSH

Type: R03

Title: Development of a Streamlined Incident Reporting System to Minimize Underreporting of Sharps Injury, R03 OH010213

Date: 2011

Direct Costs: \$100,000

Purpose: To develop an anonymous self-reporting system for sharps injuries among healthcare workers.

Original Submission date: October 2010

### **Grants Submitted and Not Funded**

*Internal Source: University of Minnesota*

Role: Principal Investigator

Sources: Grant-In-Aid

Type: N/A

Title: Feasibility Evaluation of Disaster Health Surveillance System implementation in Fiji

Dates: 2017-2019, Unfunded with a recommendation of resubmission by the committee

Direct Costs: \$50,000

Purpose: To conduct a feasibility study to implement disaster and health surveillance system in Fiji.

Original Submission date: September 2017

### **Publications**

#### *Refereed/Peer-Reviewed Journal Articles*

1. Puspasari R, Yoon D. **Kim H.** Kim KW. Machine Learning for Flood Prediction in Indonesia: Providing Online Access for Disaster Management Control. *Econ. Environ. Geol.* 2023 Feb;56(1):65-73  
*Role: Academic committee member and advice study design and analysis*

2. DeMoulin D, Jacobs S, Nam YS, Harding AB, Moskowitz AF, Shi Y, **Kim H**. Mental Health among Firefighters: Understanding the Mental Health Risks, Treatment Barriers, and Coping Strategies. *Journal of Occupational and Environmental Medicine*, 2022 Nov 64.11: e714-e721.  
*Role: Corresponding author and led entire study*
3. **Kim H**, Ryan A, Harding AB, Moskowitz AF, Passe AI, Kawazu EC. Health Risks of Climate Change in the 21 Pacific Island States and Noted Gaps in Scientific Evidence: A Scoping Review. *The Journal of Climate Change and Health*, 2022 100166  
*Role: Main author and led entire study*
4. Montoya-Barthelemy AG, Leniek K, Bannister E, Rushing R, Abrar FA, Baumann TE, Manly M, Wilhelm J, Niece A, Riester S, **Kim H**, Sellman J, Desai J, Anderson PJ, Bovard RS, Pronk NP, McKinney ZJ. Using Advanced Racial and Ethnic Identity Demographics to Improve Surveillance of Work-Related Conditions in an Occupational Clinic Setting. *Am J Ind Med*. 2022 May;65(5):357-370.  
*Role: Co-author and perform study design and analysis*
5. Tian D, Gerberich SG, Morris NM, **Kim H**, Ryan AD, Erickson DJ, Easterlund PA. Design and Evaluation of a Rural Intersection Conflict Warning System and Alternative Designs among Various Driver Age Groups. *Accident Analysis and Prevention*. 2021 Nov 1;162:106388  
*Role: Academic co-advisor and advise study design and analysis*
6. Tian D, Gerberich SG, **Kim H**, Ryan AD, Morris NM, Erickson DJ. Evaluation of the efficacy of an intersection conflict warning system at two-way stop-controlled rural intersections: Difference-in-differences and triple-difference analytical approaches. *Injury Prevention*. 2021 Oct 28.  
*Role: Academic co-advisor and advise study design and analysis*
7. Schwartz A, Gerberich SG, Albin T, **Kim H**, Ryan AD, Church TR, Green DR, McGovern PM, Erdman AG, Arauz RF. Janitors' mental workload, psychosocial factors, physical fitness, and injury: The SWEEP study. *International Journal of Industrial Ergonomics*. 2021;83:103132  
*Role: Academic co-advisor and advise study design and analysis*
8. Shi Y, Bender B, McGovern P, Jung EM, DeMoulin D, Jacobs S, Prichard JR, **Kim H**. Daytime sleepiness among Midwestern firefighters. *Archives of Environmental & Occupational Health*. 2020 Nov 2:1-8  
*Role: Academic co-advisor and advise study design and analysis*
9. Schwartz A, Gerberich SG, Albin T, **Kim H**, Ryan AD, Church TR, Green DR, McGovern PM, Erdman AG, Arauz RF. The association between janitor physical workload, mental workload, and stress: The SWEEP study. *Work*. 2020;65(4):837-846. doi: 10.3233/WOR-203135  
*Role: Academic co-advisor and advise study design and analysis*
10. Baidwan NK, Gerberich SG, **Kim H**, Ryan AD, Church T, Capistrant B. A marginal structural model approach to analyze work-related injuries: an example using data from the

- health and retirement study. *Inj Prev*. 2020 Jun;26(3):248-253. doi: 10.1136/injuryprev-2018-043124. Epub 2019 Apr 24  
*Role: Academic co-advisor and advise study design and analysis*
11. Jang SB, Ekyalongo Y, **Kim H**. Systematic Review of Displacement and Health Impact from Natural Disasters in Southeast Asia, *Disaster Medicine and Public Health Preparedness*, 2021 Feb;1-10. doi:10.1017/dmp.2019.125  
*Role: Led entire process from study design to writing manuscript*
  12. Green DR, Gerberich SG, **Kim H**, Ryan AD, McGovern PM, Church TR, Schwartz A, Arauz RF. Janitor workload and occupational injuries (corrigendum). *Am J Ind Med*. 2020 Jan;63(1):101-102. doi: 10.1002/ajim.23059. Epub 2019 Nov 6  
*Role: Academic co-advisor and advise study design and analysis*
  13. Kawazu EC, **Kim H**. Mass fainting in Cambodian garment factories. *Global Epidemiology*, 2019. Nov 1;1:100008  
*Role: Led entire process*
  14. Schwartz A, Gerberich SG, **Kim H**, Ryan AD, Church TR, Albin TJ, , McGovern P, Erdman AE, Arauz, RF. Janitor ergonomics and injuries in the safe workload ergonomic exposure project (SWEEP) study. *Applied Ergonomics*. 81 (2019): 102874  
*Role: Academic co-advisor and advise study design and analysis*
  15. Green D, Gerberich SG, **Kim H**, Ryan A, McGovern P, Church T, Schwartz A, Arauz RF. Knowledge of work-related injury incidence, severity, and associated risk factors. *Journal of Occupational and Environmental Medicine*. 2019 61(2):153-161
  16. Green DR, Gerberich SG, **Kim H**, Ryan AD, McGovern PM, Church TR, Schwartz A, Arauz RF. Knowledge of work-related injury reporting and perceived barriers among janitors. *Journal of Safety Research*. 2019 Jun 1;69:1-0  
*Role: Academic co-advisor and advise study design and analysis*
  17. Riester SM, Leniek KL, Niece AD, Montoya-Barthelemy A, Wilson W, Sellman J, Anderson PJ, Bannister EL, Bovard RS, Kilbride KA, Koos KM, **Kim H**, McKinney ZJ, Abrar FA. Occupational medicine clinical practice data reveal increased injury rates among Hispanic workers. *Am J Ind Med*. 2019 Apr;62(4):309-16  
*Role: Academic co-advisor and advise study design and analysis*
  18. Baidwan NK, Gerberich SG, **Kim H**, Ryan A, Church T, Capistrant B. A longitudinal study of work-related psychosocial factors and injuries: Implications for the aging United States workforce. *Am J Ind Med*. 2019 Mar;62(3):212-21  
*Role: Academic co-advisor and advise entire process*
  19. Green D, Gerberich SG, **Kim H**, Ryan AD, Swartz A, McGovern P, Church TR, Arauz, R. Janitor Workload and Occupational Injuries, *Am J Ind Med*. 2019 Mar;62(3):222-32  
*Role: Academic co-advisor and advise entire process*
  20. Green D, Gerberich SG, **Kim H**, Ryan AD, Swartz A, McGovern P, Church TR, Arauz, R. Occupational Injury Among Janitors: Injury Incidence, Severity and Associated Risk Factors, *J Occ Env Med*. 2019 Feb 1;61(2):153-61  
*Role: Academic co-advisor and advise entire process*

21. Baidwan NK, Gerberich SG, **Kim H**, Ryan AD, Church TR, Capistrant B. A longitudinal study of work-related injuries: comparisons of health and work-related consequences between injured and uninjured aging United States adults. *Injury Epidemiology*. 2018 Dec 1;5(1):35  
*Role: Academic co-advisor and advise entire process*
22. **Kim H**, Baidwan NK, Kriebel D, Cifuentes M, Baron S. Asthma among World Trade Center Responders: A qualitative synthesis and bias assessment. *International Journal of Environmental Research and Public Health*. 2018 May 23 23;15(6):1053  
*Role: Led entire process from study design to writing manuscript*
23. **Kim H**, Kriebel D, Liu B, Baron S, Mongin S, Baidwan NK, Moline JM. Standardized morbidity ratios of four chronic health conditions among World Trade Center responders: Comparison to the National Health Interview Survey. *Am J Ind Med*. 2018 May;61(5):413-21. *Am J Ind Med*. 2018 Mar 6. doi: 10.1002/ajim.22823  
*Role: Led entire process from study design to writing manuscript*
24. **Kim H**, Baron S, Baidwan NK, Schwartz A, Moline J. New onset of asthma and job status change among world trade center responders and workers. *Am J Ind Med*. 2017 Sep 14;PubMed PMID: 28913914  
*Role: Led entire process from study design to writing manuscript*
25. Mongin S, Baron S, Schwartz R, Liu B, Taioli E, **Kim H**. Measuring the Impact of Disasters Using Publicly Available Data: Application to 2012 Hurricane Sandy. *Am J Epidemiol*. 2017. Dec;186(11):1290-1299. <https://doi.org/10.1093/aje/kwx194>  
*Role: Led entire process from study design to writing manuscript as a senior author*
26. Baidwan NK, Gerberich S, Kim H, Ryan A. The association between work-related exposures and occupational injuries in the aging United States workforce. Health promotion and chronic disease prevention in Canada: *Research, Policy and Practice*. 2016 Nov;36(11):265  
*Role: Academic co-advisor and advise entire process*
27. Abrashkin K, Washko J, Zhang J, Poku A, **Kim H**, Smith K. Providing Acute Care at Home: Community paramedics enhance an advanced illness management program. *J Am Geriatr Soc*. 2016 Dec;64(12):2572-2576. doi:10.1111/jgs.14484  
*Role: Led data analysis and contributed to manuscript writing*
28. Dropkin J, Moline J, **Kim H**, Golden J. Blended work as a bridge between traditional workplace employment and retirement: a conceptual review. *Work, Aging, and Retirement*. 2016, Oct; 2(4):373-383  
*Role: Contributed to concept development and manuscript writing*
29. **Kim H**, Schwartz R, Hirsch J, Silverman R, Liu B, Taioli E. Effect of Hurricane Sandy on Long Island Emergency Departments visits. Disaster Medicine and Public Health Preparedness. *Disaster Med Public Health Prep*. 2016, Jun; 10(3):344-50  
*Role: Led entire process from study design to writing manuscript*
30. Gan W, Moline JM, **Kim H**, Mannino D. Exposure to Loud Noise, Bilateral High-Frequency Hearing Loss, and Coronary Heart Disease. *Occ Env Med*. 2015, Jan;73(1):34-41



*Role: Contributed to manuscript writing*

31. Dropkin J, Moline J, Power P, **Kim H**. A qualitative study of health problems, risk factors, and prevention among Emergency Medical Service workers. *Journal of WORK*. 2015, Aug 7;52(4):935-51  
*Role: Led entire process from study design to writing manuscript as a senior author*
32. Dropkin J, **Kim H**, Punnett L, Warren T, Wegman D, Buchholz B. Effect of an office ergonomic intervention among workers with neck and upper extremity pain. *Occ Env Med*, 2015 Jan;72(1):6-14  
*Role: Led data analysis and contributed to manuscript writing*
33. Liu B, Tarigan LH, Bromet EJ, **Kim H**. World Trade Center Disaster Exposure-Related Probable Posttraumatic Stress Disorder among Responders and Civilians: A Meta-Analysis. *PLoS ONE*. 2014; 9(7): e101491  
*Role: Led entire process from study design to writing manuscript as a senior author*
34. Kim SS, Muntaner C, **Kim H**, Jeon C, Parry JM. Gain of employment and depressive symptoms among previously unemployed workers: A longitudinal cohort study in South Korea. *Am J Ind Med*. 2013;56(10):1245-50  
*Role: Contributed to manuscript writing*
35. **Kim H**, Jayaraman S, Landsbergis P, Markowitz s, Kim S, Dropkin J. Perceived discrimination from management and musculoskeletal symptoms among New York City restaurant workers, *Int J Occup Environ Health*. 2013;19(3):196-206  
*Role: Led entire process from study design to writing manuscript*
36. **Kim H**, Moline J, Dropkin J. Aging, sex, and cost of medical treatment. *J Occup Environ Med*. 2013;55(5):572-8  
*Role: Led entire process from study design to writing manuscript*
37. **Kim H**, Dropkin J, Spaeth K, Smith F, Moline J. Patient handling and musculoskeletal disorders among hospital workers: Analysis of 7 years of institutional Workers' Compensation claims data. *Am J Ind Med*. 2012; 55(8):683-690  
*Role: Led entire process from study design to writing manuscript*
38. **Kim H**, Herbert R, Landrigan P, Markowitz SB, Moline JM, Savitz DA, Todd AC, Udasin IG, Wisnivesky JP. Increased rates of asthma among World Trade Center disaster responders. *Am J Ind Med*. 2012; 55(1):44-53  
*Role: Led entire process from study design to writing manuscript*
39. Woskie S, **Kim H**, Freund A, Stevenson L, Teitelbaum S, de la Hoz R, Baron S, Hernandez MS, Herbert R, Park BY, Wisnivesky JP, Landrigan P. World Trade Center disaster: Assessment of responder occupations, work locations and job tasks. *Am J Ind Med*. 2011; 54(9):681-695  
*Role: Led entire process from study design to writing manuscript*
40. Wisnivesky JP, Teitelbaum S, Todd A, Boffetta P, Crane M, Crowley L, Dellenbaugh C, Enright P, Harrison D, Herbert R, **Kim H**, Jeon Y, Kaplan J, Levin S, Luft B, Markowitz S, Moline J, Piertrzak R, Shapiro M, Skloot G, Southwick S, Stevenson L, Udasin I,

Wallenstein S, Landrigan P. Persistence of multiple illnesses in World Trade Center rescue and recovery workers: a cohort study. *Lancet*. 2011; 378: 888–97  
*Role: Contributed to manuscript writing*

41. **Kim H**, Kriebel D, Quinn MM, Davis L. The Snowman: A model of injuries and near-misses for the prevention of sharps injuries. *Am J Ind Med*. 2010; 53(11):1119-1127  
*Role: Led entire process from study design to writing manuscript*
42. **Kim H**, Kriebel D. Regression models for public health surveillance data: A simulation study. *Occ Env Med*. 2009; 66:733-739  
*Role: Led entire process from study design to writing manuscript*
43. Quinn MM, Markkanen PK, Galligan CJ, Kriebel D, Chalupka SM, **Kim H**, Gore RJ, Sama SR, Laramie AK, Davis L: Sharps injuries and other blood and body fluid exposures among home health care nurses and aides. *Am J Public Health*. 2009; 99 Suppl 3:S710-717.  
*Role: Conducted data analysis and contributed to manuscript writing*
44. Markkanen P, Chalupka SM, Galligan C, Sama SR, **Kim H**, Bello A, Kriebel D, Quinn M. Studying home health care nurses and aides: research design and challenge. *Journal of Research in Nursing*. 2008; 13(6):480-495  
*Role: Contributed to manuscript writing*
45. Tak S, **Kim H**, Kim R. Application of a Wire code in Domestic Residential EMF Studies, *Kor J Env Hlth Soc*. 2000; 26:55-60  
*Role: Conducted data collection and contributed to manuscript writing*

#### ***Refereed/Peer-Reviewed Journal Articles Submitted and Under Review (decision pending)***

1. Kitabatake S, **Kim H**, Devadason CA, Havea PH, Capuano C, Hassan MN, Yoon CG, Oli K, MeoM, Schwerdtle PN, Ebi K. A Review of Climate Change and Health in the Pacific with Special Focus on Funding for the Health Sector. *International Journal of Environmental Research and Public Health*, 2021. Submitted and under review.  
*Role: major development of manuscript*
2. **Kim H**, Baron S, Baidwan NK, Kriebel D. Quantitative bias analysis in disaster epidemiology: the case of asthma risk among World Trade Center responders. *American Journal of Epidemiology*. Submitted and under review.  
*Role: Led entire process*

#### ***Refereed/Peer Reviewed Journal Articles in Progress or Preparation***

1. **Kim H**, Baron S, Moline J, Riester S, Kriebel D. Increase rate of rheumatologic arthritis among World Trade Center responders. Expect Submission to *Journal of Occupational and Environmental Medicine*.  
*Role: Led entire process from study design to writing manuscript*
2. **Kim H**. DeMoulin D, Jacobs S, Shi Y, Jung EM. Post-Traumatic Stress Disorder among firefighters from in-depth interviews and focus group discussions. Expect Submission to *American Journal of Industrial Medicine*  
*Role: Led entire process from study design to writing manuscript*

3. **Kim H.** Baron S, Cifuentes M, Baidwan N, Kriebel D. Assessing selection bias in asthma research among World Trade Center general responders: application of Heckman sample selection correction. *American Journal of Epidemiology*  
*Role: Led entire process from study design to writing manuscript*

***Non-Refereed/Peer-Reviewed Report, Journal Articles, or Essays***

1. **Kim H.** Climate change and our future life, Peace Letter, August 2021  
(Submitted to <https://peacecenter.tistory.com/>, Okedongmu Children in Korea, NGO)  
*Role: Sole writer*
2. **Kim H.** Climate change and children's health, Peace Letter, October, 2021  
(Submitted to <https://peacecenter.tistory.com/>, Okedongmu Children in Korea, NGO)  
*Role: Sole writer*
3. **Kim H.** Why Harvey will be a mental health disaster, too. Fortune Magazine. September 6, 2017. (<http://fortune.com/2017/09/06/hurricane-harvey-health-risks/>)  
*Role: Sole writer*

**Technical Reports**

1. **Kim H.** World Health Organization Global Guidance, "Climate Change Adaptation Technologies for Healthcare facilities", 2022  
(Expected to be published in Summer 2022)  
*Role: Lead writer and led entire process*
2. **Kim H,** Savage A, Campbell-Lendrum D, Villalobos EP. World Health Organization Climate Change Technical Add-on Series, "Respiratory and Air-borne Diseases), 2022  
(Expected to be published in Summer 2022)  
*Role: Lead writer and led entire process*
3. Hussain-Alkhateeb L, Campbell-Lendrum D, Villalobos Prats E, Green A, Hales S, **Kim H**, Kroeger A, Lowe R, Ogden N, Olson D, Petzold M, Semenza J, Tozan Y, Yakob L. World Health Organization Climate Change Technical Guidance, "Quality criteria for the evaluation Of climate-informed early warning Systems for infectious diseases", 2021  
*Role: Contributing author*
4. Cha Jh, Yu YJ, **Kim H,** Noh JW. Developed WHO Global Evidence Review on Health and Migration, "Continuum of Care for Noncommunicable Disease Management during Migration Cycles"  
(Expected to be published in Spring 2022)  
*Role: Contributing author*
5. **Kim H.** World Health Organization mission report to Kiribati, November 2018  
(Submitted to Ministry of Health of Kiribati, Health Impact Assessment on climate change)  
*Role: Sole writer and led entire process*
6. **Kim H.** World Health Organization mission report to Tuvalu, November 2018  
(Submitted to Ministry of Health of Tuvalu, Health Impact Assessment on climate change)  
*Role: Sole writer and led entire process*
7. **Kim H.** World Health Organization mission report to Mongolia, October 2018

*(Submitted to Ministry of Health and Ministry of Environment and Tourism of Mongolia, Assessment on occupational medicine and health status in Mongolia and climate change in health sector)*

*Role: Sole writer and led entire process*

8. **Kim H.** World Health Organization mission report to Vietnam, July & October 2018  
*(Submitted to Ministry of Construction of Vietnam, Climate Change Vulnerability and Adaptation Assessment on Water, Sanitation, and Hygiene (WASH))*  
*Role: Sole writer and led entire process*
9. **Kim H.** World Health Organization mission report to Mongolia, June 2018  
*(Submitted to Ministry of Health and Ministry of Environment and Tourism of Mongolia, Health Impact Assessment on air pollution in winter time and climate change)*  
*Role: Sole writer and led entire process*

### **Abstracts**

1. Tian D, Gerberich S, **Kim H**, Morris N, Ryan A. Analysis of Risk Factors for Intersection-Related Crash Rates by Injury Severity Using the Total Annual Average Daily Traffic Volume as a Denominator, Submitted to American Public Health Association, Injury Control and Emergency Health Services section, Philadelphia, Pennsylvania, 2019
2. Tian D, Gerberich SG, Morris NL, Ryan AD, **Kim H**, Easterlund P, Erickson DJ. Safety Benefits and Potential Risks Associated with Using a Conflict Warning Intervention System at High-risk Rural Intersections: a Randomized Trial on a Driving Simulator. Submitted to American Public Health Association, Occupational Health section, Philadelphia, Pennsylvania, 2019
3. Green DR, Gerberich SG, **Kim H**, Ryan AD, McGovern PM, Church TR, Schwartz A, Arauz RF. Occupational Injuries among Janitors in a Major Metropolitan Area. Submitted to American Public Health Association, Occupational Health section, Philadelphia, Pennsylvania, 2019
4. Green DR, Gerberich SG, **Kim H**, Ryan AD. Determining Physical Workload among Janitorial Service Employees, Injury Control and Emergency Health Services, American Public Health Association, San Diego, California, November 2018
5. Green DR, Gerberich SG, **Kim H**, McGovern P, Ryan A, Schwartz A, Arauz R. Health and Injury Study of Janitorial Service Employees, Midwest Center for Occupational Health and Safety (MCOHS) Education and Research Center (ERC) and Upper Midwest Agricultural Safety and Health Center, Annual National Occupational Research Agenda (NORA) Symposium, Minneapolis, Minnesota, 2018
6. **Kim H.** Climate change, displacement, and Health. The first National Environmental and Occupational Health Forum, Manila, the Philippines, 2018
7. **Kim H.** Climate Change & Emergency Workers. The 5<sup>th</sup> International Conference for Occupational and Environmental Health. Hanoi, Vietnam, 2018

8. **Kim H.** Water and Sanitation for the Sustainable Development in the Western Pacific Region. Application of Rainwater Harvesting. The 5<sup>th</sup> International Conference for Occupational and Environmental Health. Hanoi, Vietnam, 2018
9. Schwartz A, Gerberich SG, Ryan A, **Kim H**, Albin T, McGovern P, Green D. The Safe Workload Ergonomic Exposure Project (SWEEP), Midwest Center for Occupational Health and Safety (MCOHS) Education and Research Center (ERC) and Upper Midwest Agricultural Safety and Health Center, Annual National Occupational Research Agenda (NORA) Symposium, Minneapolis, Minnesota, 2018
10. Tian D, Gerberich S, Kim H, Ryan A, Morris N. Intersection-Relevant Risk Factors for Crashes of Various Severities Incurred at Minnesota Rural Intersections, Midwest Center for Occupational Health and Safety (MCOHS) Education and Research Center (ERC) and Upper Midwest Agricultural Safety and Health Center, Annual National Occupational Research Agenda (NORA) Symposium, Minneapolis, Minnesota, May 2018
11. Schwartz A, Gerberich S, **Kim H**, Ryan A. McGovern P, Green D. Occupation of Janitors at Risk: The Safe Workload Ergonomic Exposure Project (SWEEP) Study. Roundtable Presentation for the Occupational Health Section at the 2017 American Public Health Association Conference. Atlanta, GA, 2017
12. Baidwan N, Gerberich S, **Kim H**, Ryan A. Work-related exposures and injuries among the aging United States workforce: A comparison using different statistical models for longitudinal data analysis. American Public Health Association, USA, 2017
13. Baidwan N, Gerberich S, **Kim H**, Ryan A. Work-related exposures and injuries among the aging United States workforce: A comparison using different statistical models for longitudinal data analysis. Society for Epidemiologic Research, USA 2017
14. Baidwan N, Gerberich S, **Kim H**, Ryan A. Analysis of the association between work-requirement factors and occupational injury occurrences among aging United States workers. National Institute for Occupational Health and Safety- State of the Science Conference. USA, 2017
15. Baidwan N, Gerberich S, **Kim H**, Ryan A. Psychosocial work stressors and work-related injuries: Implications for the aging United States workforce. Work, Stress, and Health Conference. USA, 2017
16. Babcanec C, Rosebush C, McGovern P, Bey J, French S, Bovard R, **Kim H**. Testing the impact of management driven health interventions on job satisfaction and retention of elder-care employees. National Occupational Research Agenda Symposium. USA, 2017.
17. **Kim H**, Baron S, Cifuentes M, Jurek A, Maldonado G, Kriebel D. World Trade Center Disaster and the Health of Responders: Surveillance, Epidemiology, and Biases. The 25<sup>th</sup> International Conference on Epidemiology in Occupational Health, Barcelona, Spain, 2016
18. Mongin S, **Kim H**, , Baron S, Jurek A, Taioli E. Detecting susceptible subgroups in disasters: An example from 2012 Hurricane Sandy and emergency department (ED) use in Long Island, New York. American Public Health Association, USA, 2016

19. Baidwan N, Gerberich S, **Kim H**, Ryan A. Analysis of the association between work-requirement factors and occupational injury occurrences among aging United States workers. American Public Health Association, USA, 2016
20. Baidwan N, Gerberich S, **Kim H**, Ryan A. Analysis of the association between personal and work-related exposures and occupational injury occurrences in the American aging working population. Canadian Society for Epidemiology and Biostatistics National Student Conference, Canada, 2016
21. Green D, Gerberich S, **Kim H**, Ryan A. Health and Injury Study of Janitorial Service Employees. Canadian Society for Epidemiology and Biostatistics National Student Conference, Canada, 2016
22. **Kim H**, Jurek A, Mongin S, Kriebel D, Cifuentes M, Baron S. Epidemiologic Biases in Asthma Studies of the 9/11 World Trade Center Attack: Disaster Epidemiology Needed. Society for Epidemiologic Research, Miami, FL, 2016
23. **Kim H**, Camacho M, Kriebel, Baron S, Moline J. Socioeconomic status and asthma among WTC responders. Society for Epidemiologic Research, Denver, CO, 2015
24. **Kim H**, Liu B, Smith F, Baron S, Moline J. Health effect of the WTC disaster among responders: 10 years' assessment. International Congress on Occupational Health, Seoul, Korea, 2015
25. Moline J, **Kim H**. Medical surveillance of fire fighters post-Katrina. The 142nd American Public Health Association, New Orleans, LA, 2014
26. **Kim H**, Liu B, Tak SW, Dropkin J, Moline JM, Silverman R. After Hurricane Sandy, implementation of the expanded syndromic surveillance for recovery workers and residents. The 23rd International Conference on Epidemiology in Occupational Health, Netherlands, 2013
27. **Kim H**, Moline J, Dropkin J. Aging, Cost of Medical Treatment, and Effect Modification by Gender. American Occupational Health Conference, Orlando, FL, 2013
28. **Kim H**, Dropkin J, Moline JM. Inequality of determinants between MSD occurrence and cost of MSD treatment among hospital workers. International Commission on Occupational Health, Cancun, Mexico, 2012
29. **Kim H**. Asbestos: combining issue from past to future and from factory to civil society. International Commission on Occupational Health, Cancun, Mexico, 2012
30. **Kim H**, Dropkin J, Smith F, Moline JM. Burden of medical cost of work-related musculoskeletal disorders among hospital workers: from 7 years Workers' Compensation data. American Public Health Association, Washington D.C., 2011
31. **Kim H**, Dropkin J, Spaeth K, Smith F, Moline JM. Patient handling-related MSDs in hospital workers in a large healthcare system in North America. The 22nd International Conference on Epidemiology in Occupational Health, United Kingdom, 2011

32. **Kim H**, Dropkin J, Spaeth K, Smith F, Moline JM. Occupational injuries among EMTs and paramedics in a large healthcare system in North America: 7 years of Workers' Compensation claims. The XIX World Congress On Safety And Health At Work, Turkey, 2011
33. Quinn MM, Markkanen P, Galligan C, **Kim H**, Gore R, Sama S, Kriebel D, A Laramie, L Davis. Risk of blood exposures among home healthcare workers: linking qualitative and quantitative methods. The 22nd International Conference on Epidemiology in Occupational Health, United Kingdom, 2011
34. **H Kim**, R Herbert, JM Moline, S Markowitz, I Udasin, L Crowley, P Enright. The Prevalence of Asthma among 20,843 World Trade Center Responders. CHEST 2009, October, 2009
35. R Herbert, J Moline, L Crowley, **H Kim**, B Luft, S Markowitz, I Udasin, D Harrison, PJ Landrigan. Update on Health of World Trade Center Responders from the WTC MMTP Consortium NY/NJ. American Public Health Association, USA, 2009
36. MM Quinn, P Markkanen, C Galligan, S Chalupka, **H Kim**, R Gore, S Sama, D Kriebel, Laramie A, Davis L. Assessment of Blood Exposures Among Home Healthcare Workers: Linking Qualitative and Quantitative Methods for More Precise Exposure Estimation, X2009 Sixth International Conference on Innovations in Exposure Assessment, USA, August, 2009
37. Markkanen P, Quinn MM, Galligan C, Chalupka S, **Kim H**, Gore R, Sama S, Kriebel D, Laramie A, Davis L. Methods for Qualitative Measures Informing Quantitative Measures in Occupational Health – A Case Study, X2009 Sixth International Conference on Innovations in Exposure Assessment, USA, August, 2009
38. Quinn MM, Markkanen P, Galligan C, Chalupka S, **Kim H**, Sama S, Gore R, Kriebel D, Bello A, Davis L, Laramie A, Firsova N. Sharps Injuries and Blood Exposures among Home Healthcare Workers, International Conference on Epidemiology in Occupational Health, Canada, October, 2007
39. Markkanen P, Chalupka S, Sama S, Gore R, **Kim H**, Bello A, Kriebel D, Quinn M, Project SHARRP: Survey methods and recruitment of a population of home healthcare providers, American Public Health Association, USA, November, 2007
40. **Kim H**, Laramie. A, Kriebel D, Davis L. Hospital sharps injury rates: The need for a common denominator, American Public Health Association, USA, December, 2006
41. **Kim H**, Kriebel D. Alternative Regression Model in Public Health Surveillance, Society for Epidemiologic Research, USA, June 2006
42. Kim R, **Kim H**, Park SK, Tak S, Hu H. Bone lead levels of Korean adults measured by K X-ray fluorescence system. American Public Health Association, USA, November, 2002
43. Kim R, Paek D, **Kim H**, Park SK, Tak SW, Kim EJ, Chung SE, Lee JH, Paik N. Bone lead levels of nonoccupationally exposed Korean population measured by K X-ray fluorescence system. 13th Annual Conference of the International Society for Environmental Epidemiology, Germany, September, 2001

44. Kim R, **Kim H**, Park SK, et al. Development of dual-source, dual-detector KXRF in Korea, International Society for Environmental Epidemiology, USA, August, 2000
45. Kim R, **Kim H**, Park SK. Development of two-source two-detector KXRF system to measure lead levels in bone, 25th Conference of the Korean Society of Occupational and Environmental Medicine. South Korea, November, 2000
46. Kim R, **Kim H**, Park SK. Measurements of cadaveric bone lead level using KXRF, 25th Conference of the Korean Society of Occupational and Environmental Medicine. South Korea, November, 2000
47. Kim R, **Kim H**, Park SK. Validation of KXRF bone lead measurement, 25th Conference of the Korean Society of Occupational and Environmental Medicine. South Korea, November, 2000
48. Kim R, **Kim H**, Park SK. Optimization of KXRF measurement using cadaveric tibia, 25th Conference of the Korean Society of Occupational and Environmental Medicine. South Korea, November, 2000
49. Kim R, **Kim H**, Park SK. KXRF bone lead measurement in Korean, 25th Conference of the Korean Society of Occupational and Environmental Medicine. South Korea, November, 2000

### **Presentations, Posters, and Exhibits**

#### ***Keynote Presentations***

1. Climate change and Health Resilience. The Pacific Basin Consortium for Environment and Health, Jeju, ROK, 2022. Opening Address Keynote speaker
2. Advancing Health Equity - Public Health Solutions for Climate Change. Annual Health Disparities Round Table, Minneapolis, USA, 2022. Keynote speaker.
3. Climate Change Induced Disasters, Displacement, and Mental Health. The First National Occupational and Environmental Health Forum, Manila, the Philippines, 2018. Keynote speaker.
4. Emergency Responders and Climate Change. The 5th International Conference for Occupational and Environmental Health, Hanoi, Vietnam, 2018. Keynote speaker.
5. After Hurricane Sandy, implementation of the expanded syndromic surveillance for recovery workers and residents. The 23rd International Conference on Epidemiology in Occupational Health, Netherlands, 2013. Plenary session speaker.

#### ***Invited Speaker/panel***

1. "Climate change adaptation technologies for health", 2022 Global Sustainable Technology & Innovation Community (G-STIC), Dubai, UAE, 2022
2. "Climate change: Many pathways to health impacts", 2022 Global Sustainable Technology & Innovation Community (G-STIC), Dubai, UAE, 2022
3. "Climate change policy in North Korea", 2021 UEA Yeosu Summit, Invited Speaker, 2021



4. “WHO’s climate change policies and strategies”, Graduate School of Public Administration, Seoul National University and Ministry of Environment of Republic of Korea, Invited Speaker, 2021
5. “Climate change policy in North Korea”, Institute for Health and Unification Studies, Seoul National University, Invited Speaker, 2021
6. “Children health and climate change in North Korea”, Institute for Health and Unification Studies, Seoul National University, Invited Speaker, 2021
7. “Children health and climate change in North Korea”, Okedongmu, NGO, Invited Speaker, 2021
8. “Climate resilience building and the role of engineering”, Gwangju Institute of Science and Technology, Invited Speaker, 2020
9. “Climate change and health, engineering implications”, University of Ulsan, Invited Speaker, 2020
10. “Science for climate change and health”, Gwangju Institute of Science and Technology, Invited Speaker, 2019
11. “Climate resilient WASH in healthcare facilities in Lao PDR”, Seoul National University, College of Engineering, Organized workshop, 2019
12. “Emergency responders and climate change”, Hanoi Medical University, Invited Speaker, 2018
13. “Disasters, displacement and mental health”, Minnesota Department of Health, Invited Speaker, 2017
14. “Workload and mental health”, Korean Occupational Health Coalition, Invited Speaker, 2017
15. “Post-Traumatic Stress Disorder among severely injured workers and family”, Korean Occupational Health Coalition, Invited Speaker, 2017
16. “Disasters Preparedness”, Minnesota Department of Health, Invited Speaker, 2017
17. “Disasters Surveillance and Epidemiology: World Trade Center and Hurricane Sandy”, Minnesota Department of Health, Invited Speaker 2016
18. “Disasters, role of occupational health professionals”, Local AIHA Chapter The Upper Midwest Section, Invited Speaker, 2015
19. “Epidemiologic Bias in World Trade Center Cohort” School of Medicine, Stony Brook University, The State University of New York, NY, Invited Speaker, 2014
20. “Occupational Health Surveillance and Epidemiology of WTC responder cohort” World Trade Center Health Registry, New York City Department of Health and Mental Hygiene, NY, Invited Speaker, 2013
21. “World Trade Center Disaster: disaster preparedness and implementation of occupational health surveillance” Occupational Health Speaker Series, University of Michigan, MI, Invited Speaker, 2013

22. “Epidemiology”, North Shore-LIJ School of Medicine, New York, Lecturer, 2010-2013
23. “Epidemiology”, Physician Assistant Program, Hofstra University, NY, Lecturer, 2010-2012
24. “Epidemiology”, School of Medicine, Hanyang University, Seoul, Korea, Invited speaker, 2008
25. “Sharps Injury Surveillance”, Mount Sinai School of Medicine, New York, Invited speaker, 2008
26. “Sharps Injury Surveillance”, Korea Occupational Safety and Health Agency, Korea, Invited speaker, 2008
27. “Sharps Injury Surveillance”, School of Oriental Medicine, Sangji University, Wonju, Korea, Invited speaker, 2007-2009
28. “Occupational Epidemiology”, School of Medicine, Pusan National University, Pusan, Korea, Special Lecturer for a summer session of full course, 2006-2009
29. “International Health Policy”, Department of University of Massachusetts Lowell, MA, Guest speaker, 2007
30. “Hospital Sharps Injury Rates: The Importance of the Denominator”, Sturbridge meeting, USA, Guest speaker, 2007
31. “Occupational Epidemiology”, School of Medicine, The Catholic University of Korea, Seoul, Korea, Guest speaker, 2006

## **TEACHING AND CURRICULUM DEVELOPMENT**

### ***Curriculum Development***

1. Revised PubH6120/3120, Injury Prevention in the Workplace, Community, and Home, spring 2019
2. Revised PubH6140, Occupational and Environmental Epidemiology, spring 2017-18

### ***Courses Taught***

1. PubH6120/3120 Injury Prevention in the Workplace, Community, and Home, spring 2019 (Lead Instructor)
2. PubH6140 Occupational and Environmental Epidemiology, spring 2019 (Lead Instructor)
3. PubH6140 Occupational and Environmental Epidemiology, spring 2018 (Lead Instructor)
4. PubH6140 Occupational and Environmental Epidemiology, spring 2017 (Lead Instructor)

### ***Guest Lecturer***

1. **Kim H.** “Occupational and Environmental Epidemiology: New Disaster Epidemiology”, University of the Philippines Manila, College of Public Health, Invited lecturer for three courses, September, October, November 2018
2. PubH6130 “Disaster Surveillance and Epidemiology of WTC cohort and Hurricane Sandy” Occupational and Environmental Medicine: Principles and Practice, February 2017, March 2018
3. PubH 6131-1 “Working in World Health Organization”, Working in Global Health, February 2019
4. PubH 6109 “Disasters, population displacement, and mental health”, Topics in EH: Science, Politics and Policy, November 2017

### ***Faculty Development Activities Regarding Teaching***

1. Center for Educational Innovation, Office of the Executive Vice President and Provost, Early Career Teaching Program, 2017-2018
2. School of Public Health, LEADS Leadership Development Program, 2016

## **ADVISING AND MENTORING**

### ***Graduate Student Activities***

#### **Master’s Student Advisees**

Anna Fryxell, MPH, Environmental Health, 2020 (Advisor)  
 Ka Zoua Xiong, MPH, Environmental Health, 2020 (Advisor)  
 Yihe Shi, MPH, Occupational Injury and Control, 2019 (Advisor)  
 Sarah Eckerman, MPH, Global Environmental Health, 2018 (Advisor)  
 Kelly Vilen, MPH, Global Environmental Health, 2018 (Advisor)

#### **Doctoral Students Advised**

Bridget Bender, Occupational Injury and Prevention, 2024 (Advisor)  
 Ryan Gavin, Occupational and Environmental Epidemiology (Co-advisor)  
 Adam Moskowitz, PhD, Occupational Health Policy, 2022 (Advisor)  
 Mai Pham, PhD, Environmental Epidemiology, 2023 (Advisor)  
 Nathan Write, PhD, Occupational Injury and Prevention, 2023 (Committee member)  
 Gaura Saini, PhD, Rehabilitation Science, 2022(Committee member)  
 Samuel Jacobs, PhD, Occupational Injury and Prevention, 2021 (Advisor)  
 Douglas DeMoulin, PhD, Occupational Injury and Prevention, 2020 (Advisor)  
 Navneet Baidwan, PhD, Occupational Injury and Prevention, 2018 (Co-Advisor)  
 Deirdre Green, PhD, Occupational Injury and Prevention, 2018 (Co-Advisor)  
 Adam Schwartz, PhD, Occupational Injury and Prevention, 2018 (Co-Advisor)  
 Disi Tian, PhD, Occupational Injury and Prevention, 2018 (Co-Advisor)

Teddy Nam, MPH & PhD, Occupational Injury and Prevention, 2020 (Co-Advisor)

### **Professional Student Activities**

#### **Professional students supervised**

Mark Ciagne, MD, MPH, Occupational and Environmental Medicine, 2016 (Committee Member)

Scott Riestler, MD, MPH, Occupational and Environmental Medicine, 2018 (Co-Advisor)

#### **Post-doctoral Fellows supervised**

Eun-mi Jung, PhD, 2019

#### **Visiting Scholars Hosted**

Anna Priscilla B.Cadiz, Assistant Professor, University of the Philippines Manila, College of Public Health, 2018

Rose Abigail D.Enoveso, Assistant Professor, University of the Philippines Manila, College of Public Health, 2018

Vivien Fe F. Fadrihan-Camacho, Assistant Professor, University of the Philippines Manila, College of Public Health, 2019

Paul Adrian V. Pinlac, Assistant Professor, University of the Philippines Manila, College of Public Health, 2019

Oyunbileg Dulamsuren, Lecturer, Mongolian National University of Medical Sciences, School of Public Health, Department of Health Social Work and Social Sciences, 2019

#### **Other Mentoring Activities**

Samuel Jacobs, MPH, Epidemiology, 2019 (Project Advisor)

## **SERVICE AND PUBLIC OUTREACH**

### ***Service to the Discipline/Profession/Interdisciplinary Area(s)***

#### **Professional Service**

##### ***Editorships***

- Topic Editor, *International Journal of Environmental Research and Public Health* 2019-present
- Associate Editor, *Archives of Environmental & Occupational Health* 2018-present
- Contributing Editor, *American Journal of Industrial Medicine* 2010-present

##### ***Journal Reviewer Experience***

- Reviewer, Injury Epidemiology 2010-present
- Reviewer, American Journal of Industrial Medicine 2010-present
- Reviewer, Occupational Environmental Medicine 2008-present
- Reviewer, International Journal of Environmental Research and Public Health 2010-present

- Reviewer, Lung Cancer 2010
- Reviewer, *American Journal of Epidemiology* 2018-present

***Committee Memberships (Not previously listed on page 1 (Committee Membership in Professional Organizations/Societies)***

- Board Member, Korean American Association of Minnesota 2018-present
- Scientific Advisor, Workload assessment among Korean Postal Service Workers, Korean Occupational Health Coalition 2017
- Board Member, Advisory Committee of the HealthPartners Occupational Medicine Residency 2016-Present
- Board Member, Minnesota Korean Service Center 2015-Present
- Scientific Advisor, Eliminating Health Disparity Initiative project, Korean Adoptee Ministry Center 2015-2018
- Investigator and collaborator, Service Employees International Union Local 26 study of workload and injury among janitors (done at SEIU request) 2015
- Member, Feinstein Institute for Medical Research, NY 2010-2015
- Member, The Tisch Cancer Institute at Mount Sinai Medical Center, NY 2010
- Member, Disease Prevention and Public Health Institute, Mount Sinai School of Medicine, NY 2008-2010

***Abstract Reviewer Experience***

- Abstract Reviewer for American Public Health Association 2018

***Review Panels for External Funding Agencies, Foundations, etc.***

- Grant Reviewer, NIOSH/CDC Special Emphasis Panel for Occupational Safety and Health Training Project Grants (T03) 2015-2017
- Grant Reviewer, The US Army Medical Research and Material Command (USAMRMC) 2014
- Grant Reviewer, Southern California NIOSH-ERC Pilot Grant 2012

***Organization of Conferences, Workshops, Panels, Symposia***

- Organizing and led workshop, Climate Change Adaptation Strategies for Democratic People's Republic of Korea, Seoul, ROK 2022
- Organizing committee in WHO, The 5<sup>th</sup> International Conference for Occupational and Environmental Health. Hanoi, Vietnam 2018

***Service to the University/School/Division***

**School of Public Health**

Research Committee

2016-present

**Division of Environmental Health Sciences**

Curriculum Development Committee  
Admission Committee  
Research Committee

2017-2019  
2019-2021  
2020-2021