

Park, Su Hyun

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CURRENT RESEARCH INTERESTS

Cohort Data Management & Analysis; Children's Health; Epidemiology; Environmental Health; Life-course Epidemiology; National Burden of Disease; Cancer Epidemiology; Meta-Analysis; Alternative Tobacco Epidemiology and Cardio-Pulmonary Effects; Racial Disparities.

EDUCATION

Ph.D. in Epidemiology

Ewha Womans University School of Medicine, Seoul, Korea

2013 - 2015

M.P.H. in Community and International Public Health

New York University, New York, NY

2010 - 2012

B.S. in Biological Science

Boston University, Boston, MA

2007 - 2010

TRAINING

Inter-University Consortium for Political and Social Research (ICPSR)

University of Michigan, Ann Arbor, MI (2016)

“Secondary Analysis of Data from the Population Assessment of Tobacco and Health (PATH) Study”

Statistical Horizons

Temple University, Philadelphia, PA (2016)

“Propensity Score Analysis: A Second Course”

EXPERIENCE

Data Analyst

2016 - present

Spatial Epidemiology Lab, Department of Population Health

New York University School of Medicine, New York, NY

Advisor: Dr. Dustin Duncan

- Conducting data analyses, including specifying models as well as interpreting and reviewing results.
- Participating in manuscripts and developing documentation regarding both data and the project's decision flow and action items.
- Maintaining the integrity and security of datasets

- Presenting summary results for investigators using tables and graphs.

Assistant Research Scientist/ Postdoctoral Researcher

2015 - present

Department of Population Health

New York University School of Medicine, New York, NY

Advisor: Dr. Michael Weitzman and Dr. Scott Sherman

- Analyzing national data to investigate demographic and geographic characteristic associated with adult alternative tobacco use in the US.
- Analyzing data and instructing NYU MPH students majoring in epidemiology in data analysis using US large national data set concerning food insecurity, parental depression, child function and the effects of public programs, such as the Supplemental Nutrition Assistance Program.
- Developing a comprehensive codebook and analyzing university-based cohort data.
- Presenting summary results for investigators using tables and graphs.
- Consulting with investigators on appropriate statistical tools to data analyses; assisting in study design and proposal development.
- Participating in multiple manuscripts submitted for peer-reviewed publication.
- Participating in grant writings, especially presenting power calculations and statistical analyses plans.

Adjunct Professor

2014

Seonam University, Asan, Korea

Advisor: Dr. Song E Han

- Taught Pharmacology, Research methods, and Basic medicine.

Researcher/Teaching Fellow

2013 - 2015

Department of Preventive Medicine

Ewha Womans University School of Medicine, Seoul, Korea

Advisor: Dr. Hyesook Park, Dr. Young Sun Hong, and Dr. Eunhee Ha

- Taught Pharmacoepidemiology, Biostatistics, Epidemiology, Social Epidemiology, Systematic reviews and Meta-analysis.
- Coordinated and conducted follow-up surveys and collected anthropometric data and biological samples of the birth cohort study participants.
- Managed epidemiologic research grants/projects (oversight on budgets, data collection and analysis, IRB negotiations, progress reports, and proposal writing and budget development).
- Supervised staffs and graduate students.

Researcher

2012

Healthcare Innovation Center, Kangbuk Samsung Hospital, Seoul, Korea

Advisor: Dr. Yoo Seung Hyun

- Conducted comprehensive literature reviews for telemedicine systems
- Established protocol for a study to evaluate the telemedicine system.
- Presented main findings for all the principal investigators.
- Analyzed the collected dataset.

Intern

2012

United Nations Children's Fund (UNICEF HQ), New York, NY
Advisor: Thomas O'Connell

- Analyzed raw data from the Multiple Indicator Cluster Survey (MICS) for Bangladesh, Ghana, Rwanda and Vietnam, to determine specific intra-country patterns of inequities, as well as population health needs across selected socio-economic groups such as children under five, neonates, and women of childbearing age
- Created graphs comparing and contrasting patterns across these countries
- Estimated the potential lives saved by using the Lives Saved Tool (LiST).

Intern

2011 - 2012

NYU Health Promotion and Prevention Research Center, New York, NY
Advisor: Jennifer Zaniwak

- Performed data cleaning, and descriptive analyses
- Developed and translated community education materials, health awareness flyers, outreach letters and communication strategies to project participants.

Intern

2011

APICHA (Asian & Pacific Islander Coalition on HIV/AIDS) New York, NY
Advisor: Diana C. Roygulchareon

- Performed data cleaning, entry and analysis;
- Analyzed qualitative/ quantitative data from the Asian Population in Flushing;
- Participated in HIV/AIDS Outreach to the Asian Population in New York City;
- Research health topics of interest and important to the Asian Community and developed community-friendly education materials and hand-outs.

FUNDING INFORMATION

1. A cohort study on the association of persistent organic pollutants with cancer and cardiovascular disease. Korea Food and Drug Administration (13162MFDS891) 2013-2015.
2. A studying on measuring and forecasting the burden of disease in Korea. Ministry of Health & Welfare (HI13C0729) 2013-2016.
3. Alternative tobacco products: Use, adverse effects, and communication patterns. NIH/National Cancer Institute (3P30CA016087-34S1) 2013-2017.
4. CUNY Health Ambassadors Program. United Hospital Fund (150216S) 2015-2016.
5. PrEP uptake and adherence among young black MSM: neighborhood and network determinants. NIH (1R01MH112406-01) 2016-2021.
6. Patterns of communication and information transfer among hookah users. NIH (3P30CA016087-34S1) 2014-2017.

PEER REVIEWED PUBLICATIONS

1. Park SH, Lee L, Shearston JA, Weitzman M. Patterns of Electronic Cigarette Use and Level of Psychological distress (Submitted to *Plos One*; in review)

2. Shearston JA, Shah K, Cheng E, Rizvan M, Park SH, Patel N, Spielman AI, Weitzman M. Cigarettes and Alternative Tobacco Products Among Dental Students at One US Institution. (Submitted to *Acad Med*; in review)
3. El-Shahawy O, Park SH, Duncan DT, Shearston JA, Lee L, Tamura K, Sherman SE, Weitzman M. Examination of State-Specific and Regional Differences in E-Cigarette Awareness and Use among Adults in the United States between 2012 and 2013 (Submitted to *Nicotine and Tobacco Research*; in review)
4. Park SH, Duncan DT, El-Shahawy O, Shearston JA, Lee L, Tamura K, Sherman SE, Weitzman M. Patterns and Geographic Differences of Adults Who Switched from Traditional Cigarette Smoking to E-cigarettes: Results from the National Adult Tobacco Survey (NATS). (Submitted to *American Journal of Preventive Medicine*; in review)
5. Weitzman M, Yusufali AH, Bali F, Vilcassim R, Gandhi S, Peltier R, Nadas A, Sherman SE, Lee L, Hong Z, Shearston JA, Park SH, Gordon T. Effects of Hookah Smoking on Indoor Air Quality in Homes. *Tob Control*. 2016.
6. Park SH, Duncan DT, El-Shahawy O, Shearston JA, Lee L, Tamura K, Sherman SE, Weitzman M. Analysis of state-specific prevalence, regional differences, and correlates of hookah use in U.S. adults, 2012-2013. *Nicotine Tob Res*. 2016 Sep 9. pii: ntw229. [Epub ahead of print]
7. Shearston JA, Park SH, Lee L, Oshinsky C, Weitzman M. Increasing hookah use among adolescent females in the US: analyses from the 2011-2014 National Youth Tobacco Survey (NYTS). *Tob. Prev. Cessation* 2016;2(September):67.
8. Park SH, Ha EH, Hong YS, Park H. Serum Levels of Persistent Organic Pollutants and Insulin Secretion among Children Aged 7 to 9 years: A Prospective Cohort Study. *Environ Health Perspect*. 2016 Jun 7. [Epub ahead of print]
9. Park SH, Lim JE, Park H, Jee SH. Body burden of persistent organic pollutants on hypertension: a meta-analysis. *Environ Sci Pollut Res Int*. 2016 Apr 7. [Epub ahead of print]
10. Lee HA, Park SH, Hong YS, Ha EH, Park H. The effect of exposure to persistent organic pollutants on metabolic health among Korean children during a 1 year follow-up. *Int. J. Environ. Res. Public Health* 2016; 13(3): 270
11. Kong KA, Jung-Choi K, Lim DH, Baik SJ, LEE WK, Park SH, Park HS. Comparison of prevalence- and smoking impact ratio-based methods of estimating smoking-attributable fractions of deaths. *J Epidemiol*. 2016 Mar 5;26(3):145-54.
12. Park SH, Hong YS, Ha EH, Park H. Serum concentrations of PCBs and OCPs among prepubertal Korean children. *Environ Sci Pollut Res Int*. 2016 Feb;23(4):3536-47
13. Park SH, Lim JE, Jee SH, Park H. Body concentrations of persistent organic pollutants and prostate cancer: a meta-analysis. *Environ Sci Pollut Res Int*. 2015;

22(15):11275-84.

14. Lim DH, Park SH, Baik SJ, Lee HA, Lee WK, Kong KA, Park HS, Jung-Choi K. The Population Attributable Fraction of Low Education for Mortality in South Korea with Improvement in Educational Attainment and No Improvement in Mortality Inequalities. *BMC Public Health*. 2015 Mar 31;15:313.
15. Lim D, Lee J, Kim H, Park SH, Lee HA, Min J, Park B, Kim YJ, Jung-Choi K, Park H. A cross-national comparative review of women's health based on law, organization and research field and fund. *J Korean Soc Matern Child Health* 2014; 18(1):13-23.
16. Lee HA, Lee WK, Lim D, Park SH, Baik SJ, Kong KA, Jung-Choi K, Park H. Risks of Lung Cancer Due to Radon Exposure among the Regions of Korea. *J Korean Med Sci*. 2014 Dec; 30:e85.

Manuscripts in Progress

1. El-Shahawy O, Park SH, Duncan DT, Shearston JA, Lee L, Tamura K, Sherman SE, Weitzman M. E-Cigarette Use among Adults in the United States: Should we encourage E-cigarettes taxation? (In progress)
2. Weitzman M. Park SH, Lee L, Tsang K, Shearston JA. Parental depression and food insecurity in the United States: Findings from the National Health Interview Survey 2014-2015. (In progress)

CONFERENCE ABSTRACTS AND PRESENTATIONS

1. Park SH, Lee HA, Lee HY, Gwak HS, Park EA, Cho SJ, Park H. The Association Between Psychological Problems and the Risk of Diabetes in Children Aged 9. Poster presented at The Society for Epidemiologic Research (SER) Annual Meeting, Boston, Massachusetts, US, June 2013.
2. Park SH, Park H. Association between POPs (Persistent Organic Pollutants) exposure in children and risks of diabetes. Poster presented at The Society for Epidemiologic Research (SER) Annual Meeting, Seattle, Washington, US, June 2014.
3. Park SH, Hong YS, Park H. Biomonitoring for Persistent Organic Pollutants (POPs) Exposure in Children. Poster presented at The Korean Society for Preventive Medicine, Gyeongju, Korea, October 2014.
4. Park SH, Hong YS, Park H. Association between the level of POPs exposure and insulin secretion among children aged 8 to 9. Poster presented at The American Diabetes Association Annual Meeting (Selected for Guided Audio Poster Tour), Boston, Massachusetts, US, June 2015.
5. Oshinsky C, Park SH, Shearston JA, Lee L, Weitzman M. Characteristics of

adolescent e-cigarette users in the US, 2014. Poster presented at The Pediatric Academic Societies (PAS), Baltimore, Maryland, US, May 2016.

6. Park SH, Shearston JA, Lee L, Oshinsky C, Weitzman M. Characteristics of adolescent hookah users in the US, 2014. Poster presented at The Pediatric Academic Societies (PAS), Baltimore, Maryland, US, May 2016.
7. Shearston JA, Park SH, Lee L, Oshinsky C, Weitzman M. Hookah: An Emerging Threat to Adolescent Females in the US. Poster presented at The NIH Tobacco Regulatory Science Conference (TRSC), Bethesda, Maryland, US, May 2016.
8. Park SH, Shearston JA, Lee L, Weitzman M. Electronic Cigarettes and Psychological Distress: Findings from the 2014 National Health Interview Survey. Poster will be presented to the Society For Research On Nicotine and Tobacco (SRNT), Florence, Italy, March 2017.
9. Shearston JA, Shah K, Cheng E, Rizvan M, Park SH, Patel N, Spielman AI, Weitzman M. Use, Knowledge, and Beliefs about Cigarettes and Alternative Tobacco Products Among Dental Students at One US Institution. Poster will be presented to the Society For Research On Nicotine and Tobacco (SRNT), Florence, Italy, March 2017.
10. Weitzman M, Yusufali AH, Bali F, Vilcassim R, Gandhi S, Peltier R, Nadas A, Sherman SE, Lee L, Hong Z, Shearston JA, Park SH, Gordon T. Effects of Hookah Smoking on Indoor Air Quality in Homes. Poster will be presented to the Society For Research On Nicotine and Tobacco (SRNT), Florence, Italy, March 2017.
11. El-Shahawy O, Park SH, Duncan DT, Shearston JA, Lee L, Tamura K, Sherman SE, Weitzman M. E-cigarette Use among Adults in the United States: Should we encourage E-cigarettes taxation? Poster will be presented to the Society For Research On Nicotine and Tobacco (SRNT), Florence, Italy, March 2017.

ACTIVITIES

Serve as Member of the American Public Health Association
Serve as Member of Society for Epidemiologic Research
Serve as Member of the New York University Korean Graduate Student Association
Serve as Member of Boston University Korean Business Club
Serve as Volunteer of Korean Community Services of the Metropolitan New York
Serve as Member of Korean-American Scientists and Engineers Association

SKILLS

Computer Skills: Microsoft Office (Word, Excel, Access, PowerPoint); EndNote; Refworks;
Stata; SAS; SPSS; R; LiST; ArcGIS
Languages: Korean (Native), English (fluent)