

Mathew Kiang

1070 Arastradero Road, Rm. 2C-2516
Palo Alto, CA 94304
mkiang@stanford.edu

EDUCATION

- 2018 **Harvard T.H. Chan School of Public Health**
ScD, Quantitative Methods & Social Epidemiology
Department of Social and Behavioral Sciences
- 2010 **New York University**
MPH, International Health
- 2007 **San Diego State University**
BA, Sociology (Social Inequalities)

ACADEMIC APPOINTMENTS

- Sep 2018 – current **Stanford University School of Medicine**
Postdoctoral Research Fellow, Center for Population Health Sciences
- May 2016 – Aug 2016 **University of Chicago Harris School of Public Policy**
Data Science for Social Good Fellow, Center for Data Science and Public Policy

PEER-REVIEWED PUBLICATIONS

1. **Kiang MV**, Basu S, Chen JT, & Alexander MJ, Assessment of changes in the geographical distribution of opioid-related mortality across the United States by opioid type, 1999- 2016. (In press — February 2019)
2. Gemmill A, **Kiang MV**, & Alexander MJ, Trends in pregnancy-associated mortality involving opioids in the United States, 2007–2016, *American Journal of Obstetrics and Gynecology* (January 2019), doi: 10.1016/j.ajog.2018.09.028
3. Alexander MJ[†], **Kiang MV**[†], & Barbieri M, Trends in black and white opioid mortality in the United States, *Epidemiology* (September 2018), doi: 10.1097/EDE.0000000000000858. [†]Authors contributed equally.
4. Kishore N, Marques-Reyes D, Mahmud A, **Kiang MV**, Rodriguez I, Fuller A, Ebner P, Sorensen C, Racy F, Lemery J, Maas L, Leaning J, Irizarry RA, Balsari S[†], & Buckee CO[†], Mortality in Puerto Rico after Hurricane Maria, *New England Journal of Medicine* (May 2018), doi: 10.1056/NEJMsar1803972. [†]Authors contributed equally.
5. Vable AM, **Kiang MV**, Basu S, Rudolph KE, Kawachi I, Subramanian SV, & Glymour MM, Military service, childhood socioeconomic status, and late life lung function: Korean War era military service is associated with smaller disparities, *Military Medicine* (March 2018), doi: 10.1093/milmed/usx196
6. Torous J, **Kiang MV**, Lorme J, & Onnela JP, New tools for new research in psychiatry: A scalable and customizable platform to empower data driven smartphone research, *JMIR — Mental Health* (May 2016), doi: 10.2196/mental.5165
7. Krieger N, Gruskin S, Singh N, **Kiang MV**, Chen JT, Waterman PD, Beckfield J, & Coull BA, Reproductive justice and preventable deaths: State family planning, abortion, and infant mortality 1980–2010, *SSM — Population Health* (April 2016), doi: 10.1016/j.ssmph.2016.03.007
8. Molina G, Jiang W, Edmondson L, Gibbons L, Huang LC, **Kiang MV**, Haynes AB, Gawande AA, Berry WR, & Singer SJ, Implementation of the surgical safety checklist in South Carolina hospitals is associated with improvement in perceived perioperative safety, *Journal of the American College of Surgeons* (January 2016), doi: 10.1016/j.jamcollsurg.2015.12.052

9. Krieger N, Chen JT, Waterman PD, **Kiang MV**, & Feldman J, Police killings and police deaths are public health data and can be counted, *PLOS Medicine* (December 2015), doi: 10.1371/journal.pmed.1001915
10. Krieger N, Singh N, Chen JT, Coull BA, Beckfield J, **Kiang MV**, Waterman PD, & Gruskin S, Why history matters for quantitative target setting: long-term trends in socioeconomic and racial/ethnic inequities in US infant death rates (1960–2010), *Journal of Public Health Policy* (May 2015), doi: 10.1057/jphp.2015.12
11. Krieger N, Gruskin S, Singh N, **Kiang MV**, Chen JT, Waterman PD, Gottlieb J, Beckfield J & Coull BA, Reproductive justice and the pace of change: socioeconomic trends in US infant death rates by legal status of abortion, 1960–1980, *American Journal of Public Health* (April 2015), doi: 10.2105/AJPH.2014.302401
12. Singer SJ, Huang LC, **Kiang MV**, Jiang W, Edmondson L, Gawande AA, & Berry WR, Surgical team member assessment of the safety of surgery practice in 38 South Carolina hospitals, *Medical Care Research and Review* (March 2015), doi: 10.1177/1077558715577479
13. Krieger N, Kosheleva A, Waterman PD, Chen JT, Beckfield J, & **Kiang MV**, 50-year trends in US socioeconomic inequalities in health: US-born black and white Americans, 1959–2008, *International Journal of Epidemiology* (August 2014), doi: 10.1093/ije/dyu047
14. Krieger N, **Kiang MV**, Kosheleva A, Waterman PD, Chen JT, & Beckfield J, Age at menarche: 50 year socioeconomic trends among US-born black and white women, 1959–2008, *American Journal of Public Health* (July 2014), doi: 10.2105/AJPH.2014.301936
15. Singer SJ, Hayes J, Gray GG, & **Kiang MV**, Making time for learning-oriented leadership in multidisciplinary hospital management groups, *Health Care Management Review* (July 2014), doi: 10.1097/HMR.000000000000037
16. Krieger N, Chen JT, Coull BA, Beckfield J, **Kiang MV**, & Waterman PD, Jim Crow and premature mortality among the US Black and White population: An age-period-cohort analysis, 1960–2009, *Epidemiology* (July 2014), doi: 10.1097/EDE.000000000000104
17. Singer SJ, Friedberg MW, **Kiang MV**, Dunn T, & Kuhn DM, Development and preliminary validation of the Patient Perceptions of Integrated Care survey, *Medical Care Research and Review* (March 2013), doi: 10.1177/1077558712465654
18. Palamar JJ, Halkitis PN, & **Kiang MV**, Perceived public stigma and stigmatization in explaining lifetime illicit drug use among emerging adults, *Addiction Research and Theory* (January 2013), doi: 10.3109/16066359.2012.762508
19. Palamar JJ, **Kiang MV**, & Halkitis PN, Religiosity and illicit drug use among emerging adults: Protective effects depend on low exposure to users, *Journal of Religion and Health* (November 2012), doi: 10.1007/s10943-012-9660-3
20. Palamar JJ, **Kiang MV**, & Halkitis PN, Predictors of stigmatization towards use of various illicit drugs among emerging adults, *Journal of Psychoactive Drugs* (July 2012), doi: 10.1080/02791072.2012.703510
21. Palamar JJ, **Kiang MV**, Storholm ED, & Halkitis PN, A qualitative descriptive study of perceived sexual effects of club drug use in gay and bisexual men, *Psychology and Sexuality* (May 2012), doi: 10.1080/19419899.2012.679363
22. Palamar JJ, **Kiang MV**, & Halkitis PN, Development and psychometric evaluation of scales that assess stigma associated with illicit drug users, *Substance Use and Misuse* (July 2011), doi: 10.3109/10826084.2011.596606
23. Solomon TM, Halkitis PN, Moeller RW, Siconolfi DE, **Kiang MV**, & Barton SC, Sex parties among young gay, bisexual, and other men who have sex with men in New York City: Attendance and behavior, *Journal of Urban Health* (July 2011), doi: 10.1007/s11524-011-9590-5
24. Singer SJ, Hayes J, Cooper J, Vogt J, Sales M, Aristidou A, Gray G, **Kiang MV**, & Meyer GS, A case for safety leadership team training of hospital managers, *Health Care Management Review* (April 2011), doi: 10.1097/HMR.0b013e318208cd1d

25. Solomon TM, **Kiang MV**, Halkitis PN, Moeller RW, & Pappas MK, Personality traits and mental health states of methamphetamine-dependent and methamphetamine non-using MSM, *Addictive Behaviors* (February 2010), doi: 10.1016/j.addbeh.2009.09.002

CONFERENCE MATERIALS

1. Vable AM, **Kiang MV**, Glymour MM, Rigdon J, Drabo E, & Basu S, Performance of matching methods to unmatched ordinary least squares regression under constant effects. *Society for Epidemiologic Research Annual Meeting 2018: Baltimore, MD* (June 2018). Best student poster award.
2. **Kiang MV**, Alexander MJ, Zhang Z, & Chen JT, The geographical distribution of opioid mortality by race in the United States, 1999–2016: Identifying epidemic hotspots. *Population Association of America Annual Meeting 2018: Denver, CO* (April 2018)
3. **Kiang MV**, Staples P, Torous J, Alexander MJ, & Onnela JP, A new platform for high density data collection in population health research. *Population Association of America Annual Meeting 2018: Denver, CO* (April 2018)
4. Alexander MJ, Barbieri M, & **Kiang MV**, Opioid-related deaths by race in the United States: Trends and patterns in multiple causes of death. *Population Association of America Annual Meeting 2017: Chicago, IL* (April 2017)
5. Buckner RL, Braga RM, Hutchison M, Shermohammed M, Coombs G, Barnett IJ, **Kiang MV**, Farfel L, Marotta M, Mair R, O’Keefe T, Meickle J, Liu H, Somerville L, Onnela JP, & Baker JT, Deep dynamic phenotyping of the individual: A platform for precision neuroscience. *Society for Neuroscience 2016: San Diego, CA* (November 2016)
6. Shermohammed M, Barnett IJ, **Kiang MV**, Buckner RL, Baker JT, Onnela JP, & Somerville L, Deep dynamic phenotyping of the individual: Tracking within-subject variability in social and emotional behavioral profiles using smartphones. *Society for Neuroscience 2016: San Diego, CA* (November 2016)
7. Jung OS, Kite JG, Jiang W, Conley D, **Kiang MV**, Huang LC, Childers AK, Edmondson L, Berry WR, & Singer SJ, Implementation objectives associated with success in delivery system innovation: Lessons from Safe Surgery 2015. *Academy of Management 2014: Philadelphia, PA* (August 2014)
8. Jung OS, Kite JG, Jiang W, Conley D, **Kiang MV**, Huang LC, Childers AK, Edmondson L, Berry WR, & Singer SJ, Factors associated with effective implementation of delivery system innovations: Lessons from Safe Surgery 2015. *AcademyHealth 2014 Annual Research Meeting: San Diego, CA* (June 2014)
9. Kite JG, Jiang W, Huang LC, **Kiang MV**, Conley D, Edmondson L, Berry WR, & Singer SJ, The relationship between operating room teamwork and safety checklist performance: Safe Surgery 2015. *AcademyHealth 2014 Annual Research Meeting: San Diego, CA* (June 2014)
10. Huang LC, Conley D, **Kiang MV**, Jiang W, Edmonson L, Gawande AA, Berry WR, & Singer SJ, Factors associated with successful implementation of health delivery innovations: Lessons from Safe Surgery 2015. *AcademyHealth 2013 Annual Research Meeting: Baltimore, MD* (June 2013)
11. Singer SJ, **Kiang MV**, Huang LC, Jiang W, Edmonson L, & Berry WR, Surgical intervention climate in South Carolina hospitals: Measurement as opportunity to motivate, direct, and assess improvement. *Academy of Management 2012: Boston, MA* (August 2012)
12. Singer SJ, **Kiang MV**, Huang LC, Jiang W, Edmonson L, & Berry WR, Surgical safety culture in South Carolina hospitals. *AcademyHealth 2012 Annual Research Meeting: Orlando, FL* (June 2012)
13. Singer SJ, Hayes J, Gray GG, & **Kiang MV**, Collective learning in management groups: A function of making time. *AcademyHealth 2012 Annual Research Meeting: Orlando, FL* (June 2012)

14. Singer SJ, Hayes J, Gray GG, & **Kiang MV**, Making time for learning in leadership teams. *Academy of Management 2011: San Antonio, TX* (August 2011)
15. Singer SJ, Clark J, Valentine M, **Kiang MV**, & Kane NM, Performance of safety net hospitals: The role of organizational culture and leadership. *AcademyHealth 2011 Annual Research Meeting: Seattle, WA* (June 2011)
16. Palamar JJ, **Kiang MV**, Tortora K, & Jones D, Stigma as a protective factor against illicit drug use among racial minorities. *Disparities Research to Disparities Interventions: Lessons Learned and Opportunities for the Future of Behavioral Health Services Conference: Arlington, VA* (May 2011)
17. Solomon TM, Moeller RW, Siconolfi DE, **Kiang MV**, Barton SC, & Halkitis PN, Sex party attendance among young gay, bisexual, and other men who have sex with men: The role of person and environment. *International Conference on Urban Health 2010: New York, NY* (October 2010)
18. Singer SJ, Burgers J, Friedberg M, Rosenthal M, Leape, L, Schneider E, & **Kiang MV**, Integrated patient care: The next frontier. *Academy of Management 2010: Montreal, Canada* (August 2010)

RESEARCH EXPERIENCE

	Harvard T.H. Chan School of Public Health
Jul 2014 – Jun 2018	Research Assistant (part-time), Department of Biostatistics
Sep 2012 – Mar 2015	Research Assistant (part-time), Department of Social and Behavioral Sciences
Jul 2010 – Sep 2012	Project Manager, Department of Health Policy and Management
	Center for Health, Identity, Behavior, and Prevention Studies
Jun 2008 – Jul 2010	Graduate Research Intern (part-time), Professor Perry Halkitis
	New York University Wagner School of Public Service
Nov 2009 – Jul 2010	Research Assistant (part-time), Professor Karen Grépin

TEACHING EXPERIENCE

	Harvard T.H. Chan School of Public Health
Spring 2017 & Spring 2018	Teaching Assistant, Dynamics of Infectious Disease, Professor Caroline Buckee
Oct 2016 & Jan 2018	Course Developer, Using Python for Research via HarvardX, Professor JP Onnela
Fall 2013	Teaching Assistant, Society and Health, Professor Ichiro Kawachi
	Instituto Tecnológico Autónomo de México
Mar 2017	Instructor, Introduction to Causal Inference for Data Science Workshop
	New York University
Spring 2010	Course Assistant, Biostatistics II, Professor Ying Lu
Fall 2009	Course Assistant, Statistics I, Professor Robert Norman

HONORS & AWARDS

2017, 2018	Department of Social and Behavioral Sciences Travel Award Harvard T.H. Chan School of Public Health
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2017	Department of Epidemiology Teaching Assistant Award Harvard T.H. Chan School of Public Health
2012 – 2016	Department of Social and Behavioral Sciences Scholarship Harvard T.H. Chan School of Public Health
2010	E. George Payne Memorial Award New York University
2009	Dean’s Grant for Graduate Student Research New York University
2009	Steinhardt Graduate Study Abroad Scholarship New York University
2009	Wasserman Funded Internship Award New York University
2008 – 2009	Steinhardt Graduate Student Scholarship New York University

OTHER PUBLICATIONS

1. Krieger N, **Kiang MV**, Chen JT, Waterman PD, Trends in US deaths due to legal intervention among black and white men, age 15–34 years, by county income level: 1960–2010, *Harvard Public Health Review* (Jan 2015 — Special Issue)