Stanford



Mathew Kiang

Assistant Professor of Epidemiology and Population Health (Epidemiology)

Bio

BIO

I am an assistant professor in the Department of Epidemiology and Population Health. My research lies at the intersection of computational epidemiology and social epidemiology. Methodologically, my work revolves around combining disparate data sources in epidemiologically meaningful ways. For example, I work with individual-level, non-health data (e.g., GPS, accelerometer, and other sensor data from smartphones), traditional health data (e.g., survey, health systems, or death certificate data), and third-party data (e.g., cellphone providers or ad-tech data). To do this, I use a variety of methods such as joint Bayesian spatial models, traditional epidemiologic models, dynamical models, microsimulation, and demographic analysis. Substantively, my work focuses on socioeconomic and racial/ethnic inequities, substance use, and child health. For example, recently, my work has examined inequities in COVID-19 vaccine distribution, cause-specific excess mortality, and drug poisonings. Other work has examined the impact of changing vaccination rates on the reemergence of infectious diseases and the prevalence of parental death among children.

ACADEMIC APPOINTMENTS

- Assistant Professor, Epidemiology and Population Health
- Member, Bio-X
- Member, Wu Tsai Neurosciences Institute

PROFESSIONAL EDUCATION

- BA, San Diego State University , Sociology (2007)
- MPH, New York University , International Public Health (2010)
- ScD, Harvard TH Chan School of Public Health , Quantitative Methods and Social Epidemiology (2018)

LINKS

- Personal Website: http://mathewkiang.com/
- Github: https://github.com/mkiang
- Most recent CV: https://mathewkiang.com/assets/mkiangcv.pdf

Publications

PUBLICATIONS

- **Real-world management of opioid use disorder in primary care 2015-2019: associations between clinical practice attributes, diagnosis, and treatment** *CRITICAL PUBLIC HEALTH*
  Velasquez, E. E., Kiang, M. V.
  2026; 36 (1)

- **Factors Associated With Postpandemic Decline in US Motor Vehicle Mortality.** *JAMA network open*
  Kiang, M. V., Alexander, M. J.
  2026; 9 (10): e2638041
- **Scale matters: Patterns of inequity in measures of structural racism can reverse direction when using the relative vs. the absolute scale.** *Social science & medicine (1982)*
  Riddell, C. A., Kiang, M. V., Kaufman, J. S.
  2026; 405: 119598
- **Commentary on Friedman et al.: Inequitable improvements and data gaps-A call for better drug surveillance data.** *Addiction (Abingdon, England)*
  Kiang, M. V.
  2026
- **Real-world management of opioid use disorder in primary care 2015-2019: associations between clinical practice attributes, diagnosis, and treatment.** *Critical public health*
  Velásquez, E. E., Kiang, M. V.
  2026; 36 (1)
- **The long arm of childhood policy: Historical schooling laws and COVID-19 pandemic-era mortality.** *Epidemiology (Cambridge, Mass.)*
  Wells, W., Chen, Y. H., Raquib, R. V., Charpignon, M. L., Lee, A. R., Chen, R., Stokes, A. C., Kiang, M. V., Torres, J. M., Glymour, M. M.
  2026
- **Mortality in US Immigration and Customs Enforcement Detention.** *JAMA*
  Basu, S., Huynh, B. Q., Kiang, M. V., Chin, E. T., Andrews, J. R.
  2026
- **Two-way fixed effects models in air pollution epidemiology: a proposed framework for model specifications and recommendations for future studies.** *American journal of epidemiology*
  Ma, Y., Kaplan, J., Rehkopf, D. H., Huynh, B., Kiang, M., Benmarhnia, T.
  2026
- **Applying machine learning to identify unrecognized COVID-19 deaths recorded as other causes of death in the United States.** *Science advances*
  Kiang, M. V., Li, Z. R., Wrigley-Field, E., Raquib, R. V., Lundberg, D. J., Paglino, E., Huynh, B., Bibbins-Domingo, K., Glymour, M. M., Stokes, A. C.
  2026; 12 (12): eaef5697
- **Trends in County-Level Childhood Vaccination Exemptions in the US.** *JAMA*
  Fattah, M., Stoffel, L. A., Bubar, K. M., Bents, S. J., Maldonado, Y., Hotez, P. J., Kiang, M. V., Lo, N. C.
  2026
- **Modeling the Health Impact of Discontinuing COVID-19 Vaccination During Pregnancy in the US.** *JAMA pediatrics*
  Lo, N. C., Maldonado, Y., Chu, H. Y., Hotez, P. J., Kiang, M. V.
  2025
- **Wildfire smoke exposure and mortality burden in the US under climate change.** *Nature*
  Qiu, M., Li, J., Gould, C. F., Jing, R., Kelp, M., Childs, M. L., Wen, J., Xie, Y., Lin, M., Kiang, M. V., Heft-Neal, S., Diffenbaugh, N. S., Burke, et al
  2025
- **Temperature extremes impact mortality and morbidity differently.** *Science advances*
  Gould, C. F., Heft-Neal, S., Heaney, A. K., Bendavid, E., Callahan, C. W., Kiang, M. V., Graff Zivin, J., Burke, M.
  2025; 11 (31): eadr3070
- **Youths Experiencing Parental Death Due to Cancer.** *JAMA network open*
  Potter, A. L., Schlüter, B. S., Alexander, M. J., Yang, C. J., Kiang, M. V.
  2025; 8 (7): e2519106
- **Monitoring the opioid epidemic via social media discussions.** *NPJ digital medicine*
  Smith, D. A., Lavertu, A., Salecha, A., Hamamsy, T., Humphreys, K., Lembke, A., Kiang, M. V., Altman, R. B., Eichstaedt, J. C.
  2025; 8 (1): 284

- **Modeling Reemergence of Vaccine-Eliminated Infectious Diseases Under Declining Vaccination in the US.** *JAMA*
  Kiang, M. V., Bubar, K. M., Maldonado, Y., Hotez, P. J., Lo, N. C.
  2025
- **Which social media platforms facilitate monitoring the opioid crisis?** *PLOS digital health*
  Carpenter, K. A., Nguyen, A. T., Smith, D. A., Samori, I. A., Humphreys, K., Lembke, A., Kiang, M. V., Eichstaedt, J. C., Altman, R. B.
  2025; 4 (4): e0000842
- **Recent Drug Overdose Mortality Decline Compared With Pre-COVID-19 Trend.** *JAMA network open*
  Kiang, M. V., Humphreys, K.
  2025; 8 (2): e2458090
- **High-Risk Emergency Department Visits and Risk of All-Cause Mortality, Suicide, and Fatal Overdose Among US Military Veterans.** *American journal of epidemiology*
  Elser, H., Kiang, M. V., Humphreys, K., Zhan, J.
  2025
- **Disparities in air pollution attributable mortality in the US population by race/ethnicity and sociodemographic factors.** *Nature medicine*
  Geldsetzer, P., Fridljand, D., Kiang, M. V., Bendavid, E., Heft-Neal, S., Burke, M., Thieme, A. H., Benmarhnia, T.
  2024
- **Invited commentary: Motivating better methods-and better data collection-for measuring prevalence of drug misuse.** *American journal of epidemiology*
  Kiang, M. V., Alexander, M. J.
  2024
- **Excess Fatal Overdoses in the United States During the COVID-19 Pandemic by Geography and Substance Type: March 2020-August 2021.** *American journal of public health*
  Chandra, J., Charpignon, M. L., Bhaskar, A., Therriault, A., Chen, Y. H., Mooney, A., Dahleh, M. A., Kiang, M. V., Dominici, F.
  2024; 114 (6): 599-609
- **Youth Experiencing Parental Death Due to Drug Poisoning and Firearm Violence in the US, 1999-2020.** *JAMA*
  Schlüter, B. S., Alburez-Gutierrez, D., Bibbins-Domingo, K., Alexander, M. J., Kiang, M. V.
  2024
- **Sociodemographic and geographic variation in mortality attributable to air pollution in the United States.** *medRxiv : the preprint server for health sciences*
  Geldsetzer, P., Fridljand, D., Kiang, M. V., Bendavid, E., Heft-Neal, S., Burke, M., Thieme, A. H., Benmarhnia, T.
  2024
- **Estimated Childhood Lead Exposure From Drinking Water in Chicago.** *JAMA pediatrics*
  Huynh, B. Q., Chin, E. T., Kiang, M. V.
  2024
- **Mitigating allocative tradeoffs and harms in an environmental justice data tool** *NATURE MACHINE INTELLIGENCE*
  Huynh, B. Q., Chin, E. T., Koenecke, A., Ouyang, D., Ho, D. E., Kiang, M. V., Rehkopf, D. H.
  2024
- **Associations between county-level public health expenditures and community health planning activities with COVID-19 incidence and mortality.** *Preventive medicine reports*
  Liang, R., Kiang, M. V., Grant, P., Jackson, C., Rehkopf, D. H.
  2023; 36: 102410
- **Emergency department visits respond nonlinearly to wildfire smoke.** *Proceedings of the National Academy of Sciences of the United States of America*
  Heft-Neal, S., Gould, C. F., Childs, M. L., Kiang, M. V., Nadeau, K. C., Duggan, M., Bendavid, E., Burke, M.
  2023; 120 (39): e2302409120
- **Shortage of Thoracic Surgeons in the United States: Implications for Treatment and Survival for Stage I Lung Cancer Patients.** *The Journal of thoracic and cardiovascular surgery*

Potter, A. L., Rosenstein, A. L., Kandala, K., Venkateswaran, S., Kiang, M. V., Okusanya, O., Auchincloss, H. G., Martin, L. W., Colson, Y. L., Yang, C. J.
2023

- **Deaths Due to COVID-19 in Patients With Cancer During Different Waves of the Pandemic in the US.** *JAMA oncology*
  Potter, A. L., Vaddaraju, V., Venkateswaran, S., Mansur, A., Bajaj, S. S., Kiang, M. V., Jena, A. B., Yang, C. J.
  2023

- **Excess Mortality With Alzheimer Disease and Related Dementias as an Underlying or Contributing Cause During the COVID-19 Pandemic in the US.** *JAMA neurology*
  Chen, R., Charpignon, M. L., Raquib, R. V., Wang, J., Meza, E., Aschmann, H. E., DeVost, M. A., Mooney, A., Bibbins-Domingo, K., Riley, A. R., Kiang, M. V., Chen, Y. H., Stokes, et al
  2023

- **Evaluation of the New England Office Based Addiction Treatment ECHO: A Tool for Strengthening the Addiction Workforce.** *Substance abuse*
  Heerema, M. R., Ventura, A. S., Blakemore, S. C., Montoya, I. D., Gobel, D. E., Kiang, M. V., LaBelle, C. T., Bazzi, A. R.
  2023: 8897077231179601

- **COVID-19 Mortality by Race and Ethnicity in US Metropolitan and Nonmetropolitan Areas, March 2020 to February 2022.** *JAMA network open*
  Lundberg, D. J., Wrigley-Field, E., Cho, A., Raquib, R., Nsoesie, E. O., Paglino, E., Chen, R., Kiang, M. V., Riley, A. R., Chen, Y. H., Charpignon, M. L., Hempstead, K., Preston, et al
  2023; 6 (5): e2311098

- **Spatiotemporal distribution of power outages with climate events and social vulnerability in the USA.** *Nature communications*
  Do, V., McBrien, H., Flores, N. M., Northrop, A. J., Schlegelmilch, J., Kiang, M. V., Casey, J. A.
  2023; 14 (1): 2470

- **Quantifying Exposure to Wildfire Smoke Among Schoolchildren in California, 2006 to 2021.** *JAMA network open*
  Velásquez, E. E., Benmarhnia, T., Casey, J. A., Aguilera, R., Kiang, M. V.
  2023; 6 (4): e235863

- **Preprints and the future of scientific publishing: in favor of relevance.** *American journal of epidemiology*
  Glymour, M. M., Charpignon, M. L., Chen, Y. H., Kiang, M.
  2023

- **Solidarity and strife after the Atlanta spa shootings: A mixed methods study characterizing Twitter discussions by qualitative analysis and machine learning.** *Frontiers in public health*
  Criss, S., Nguyen, T. T., Michaels, E. K., Gee, G. C., Kiang, M. V., Nguyen, Q. C., Norton, S., Titherington, E., Nguyen, L., Yardi, I., Kim, M., Thai, N., Shepherd, et al
  2023; 11: 952069

- **Excess Mortality Among US Physicians During the COVID-19 Pandemic.** *JAMA internal medicine*
  Kiang, M. V., Carlasare, L. E., Thadaney Israni, S., Norcini, J. J., Zaman, J. A., Bibbins-Domingo, K.
  2023

- **Wildfire smoke exposure and emergency department visits for headache: A case-crossover analysis in California, 2006-2020.** *Headache*
  Elser, H., Rowland, S. T., Marek, M. S., Kiang, M. V., Shea, B., Do, V., Benmarhnia, T., Schneider, A. L., Casey, J. A.
  2023

- **Incidence, Timing, and Factors Associated With Suicide Among Patients Undergoing Surgery for Cancer in the US.** *JAMA oncology*
  Potter, A. L., Haridas, C., Neumann, K., Kiang, M. V., Fong, Z. V., Riddell, C. A., Pope, H. G., Yang, C. J.
  2023

- **State Cannabis Legalization and Psychosis-Related Health Care Utilization.** *JAMA network open*
  Elser, H., Humphreys, K., Kiang, M. V., Mehta, S., Yoon, J. H., Faustman, W. O., Matthay, E. C.
  2023; 6 (1): e2252689

- **Dynamics of racial disparities in all-cause mortality during the COVID-19 pandemic.** *Proceedings of the National Academy of Sciences of the United States of America*

Aschmann, H. E., Riley, A. R., Chen, R., Chen, Y., Bibbins-Domingo, K., Stokes, A. C., Glymour, M. M., Kiang, M. V.
2022; 119 (40): e2210941119

- **COVID-19 mortality and excess mortality among working-age residents in California, USA, by occupational sector: a longitudinal cohort analysis of mortality surveillance data.** *The Lancet. Public health*
  Chen, Y. H., Riley, A. R., Duchowny, K. A., Aschmann, H. E., Chen, R., Kiang, M. V., Mooney, A. C., Stokes, A. C., Glymour, M. M., Bibbins-Domingo, K.
  2022; 7 (9): e744-e753
- **COVID-19 mortality and excess mortality among working-age residents in California, USA, by occupational sector: a longitudinal cohort analysis of mortality surveillance data** *LANCET PUBLIC HEALTH*
  Chen, Y., Riley, A. R., Duchowny, K. A., Aschmann, H. E., Chen, R., Kiang, M. V., Mooney, A. C., Stokes, A. C., Glymour, M., Bibbins-Domingo, K.
  2022; 7 (9): E744-E753
- **All-cause excess mortality across 90 municipalities in Gujarat, India, during the COVID-19 pandemic (March 2020-April 2021).** *PLOS global public health*
  Acosta, R. J., Patnaik, B., Buckee, C., Kiang, M. V., Irizarry, R. A., Balsari, S., Mahmud, A.
  2022; 2 (8): e0000824
- **The 2021 Texas Power Crisis: distribution, duration, and disparities.** *Journal of exposure science & environmental epidemiology*
  Flores, N. M., McBrien, H., Do, V., Kiang, M. V., Schlegelmilch, J., Casey, J. A.
  2022
- **Excess natural-cause deaths in California by cause and setting: March 2020 through February 2021.** *PNAS nexus*
  Chen, Y., Stokes, A. C., Aschmann, H. E., Chen, R., DeVost, S., Kiang, M. V., Koliwad, S., Riley, A. R., Glymour, M. M., Bibbins-Domingo, K.
  2022; 1 (3): pgac079
- **Sociodemographic and geographic disparities in excess fatal drug overdoses during the COVID-19 pandemic in California: A population-based study.** *Lancet Regional Health. Americas*
  Kiang, M. V., Acosta, R. J., Chen, Y., Matthay, E. C., Tsai, A. C., Basu, S., Glymour, M. M., Bibbins-Domingo, K., Humphreys, K., Arthur, K. N.
  2022; 11: 100237
- **Racial and Ethnic Disparities in Estimated Excess Mortality From External Causes in the US, March to December 2020.** *JAMA internal medicine*
  Chen, R., Aschmann, H. E., Chen, Y., Glymour, M. M., Bibbins-Domingo, K., Stokes, A. C., Kiang, M. V.
  2022
- **Association of computed tomography screening with lung cancer stage shift and survival in the United States: quasi-experimental study.** *BMJ (Clinical research ed.)*
  Potter, A. L., Rosenstein, A. L., Kiang, M. V., Shah, S. A., Gaissert, H. A., Chang, D. C., Fintelmann, F. J., Yang, C. J.
  2022; 376: e069008
- **Recent Shifts in Racial/Ethnic Disparities in COVID-19 Mortality in the Vaccination Period in California.** *Journal of general internal medicine*
  Riley, A. R., Kiang, M. V., Chen, Y., Bibbins-Domingo, K., Glymour, M. M.
  1800
- **Low parasite connectivity among three malaria hotspots in Thailand.** *Scientific reports*
  Chang, H., Chang, M., Kiang, M., Mahmud, A. S., Ekapirat, N., Engo-Monsen, K., Sudathip, P., Buckee, C. O., Maude, R. J.
  2021; 11 (1): 23348
- **Public health impacts of an imminent Red Sea oil spill.** *Nature sustainability*
  Huynh, B. Q., Kwong, L. H., Kiang, M. V., Chin, E. T., Mohareb, A. M., Jumaan, A. O., Basu, S., Geldsetzer, P., Karaki, F. M., Rehkopf, D. H.
  2021; 4 (12): 1084-1091
- **Racial/Ethnic Disparities in Opioid-Related Mortality in the USA, 1999-2019: the Extreme Case of Washington DC.** *Journal of urban health : bulletin of the New York Academy of Medicine*
  Kiang, M. V., Tsai, A. C., Alexander, M. J., Rehkopf, D. H., Basu, S.
  2021
- **Public health impacts of an imminent Red Sea oil spill** *NATURE SUSTAINABILITY*
  Huynh, B. Q., Kwong, L. H., Kiang, M. V., Chin, E. T., Mohareb, A. M., Jumaan, A. O., Basu, S., Geldsetzer, P., Karaki, F. M., Rehkopf, D. H.

2021

- **Robustness of estimated access to opioid use disorder treatment providers in rural vs. urban areas of the United States.** *Drug and alcohol dependence*
  Kiang, M. V., Barnett, M. L., Wakeman, S. E., Humphreys, K., Tsai, A. C.
  2021; 228: 109081

- **Addendum needed on COVID-19 travel study - Authors' reply.** *The Lancet. Infectious diseases*
  Kiang, M. V., Chin, E. T., Huynh, B. Q., Chapman, L. A., Lo, N. C.
  2021

- **Data in Crisis - Rethinking Disaster Preparedness in the United States** *NEW ENGLAND JOURNAL OF MEDICINE*
  Balsari, S., Kiang, M. V., Buckee, C. O.
  2021

- **Sociodemographic characteristics of missing data in digital phenotyping.** *Scientific reports*
  Kiang, M. V., Chen, J. T., Krieger, N., Buckee, C. O., Alexander, M. J., Baker, J. T., Buckner, R. L., Coombs, G. 3., Rich-Edwards, J. W., Carlson, K. W., Onnela, J.
  2021; 11 (1): 15408

- **Systematic review and meta-analysis of depression, anxiety, and suicidal ideation among Ph.D. students.** *Scientific reports*
  Satinsky, E. N., Kimura, T., Kiang, M. V., Abebe, R., Cunningham, S., Lee, H., Lin, X., Liu, C. H., Rudan, I., Sen, S., Tomlinson, M., Yaver, M., Tsai, et al
  2021; 11 (1): 14370

- **Geographically-targeted COVID-19 vaccination is more equitable and averts more deaths than age-based thresholds alone.** *medRxiv : the preprint server for health sciences*
  Wrigley-Field, E., Kiang, M. V., Riley, A. R., Barbieri, M., Chen, Y., Duchowny, K. A., Matthay, E. C., Van Riper, D., Jegathesan, K., Bibbins-Domingo, K., Leider, J. P.
  2021

- **Failure of leadership in U.S. academic medicine after George Floyd's killing by police and amidst subsequent unrest.** *Annals of epidemiology*
  Kiang, M. V., Tsai, A. C.
  2021

- **Anomalously warm weather and acute care visits in patients with multiple sclerosis: A retrospective study of privately insured individuals in the US.** *PLoS medicine*
  Elser, H., Parks, R. M., Moghavem, N., Kiang, M. V., Bozinov, N., Henderson, V. W., Rehkopf, D. H., Casey, J. A.
  2021; 18 (4): e1003580

- **Anomalously warm weather and acute care visits in patients with multiple sclerosis: A retrospective study of privately insured individuals in the US**
  Elser, H., Parks, R., Moghavem, N., Kiang, M., Bozinov, N., Henderson, V., Rehkopf, D., Casey, J.
  LIPPINCOTT WILLIAMS & WILKINS.2021

- **Differences in COVID-19 Testing and Test Positivity Among Veterans, United States, 2020.** *Public health reports (Washington, D.C. : 1974)*
  Ferguson, J. M., Abdel Magid, H. S., Purnell, A. L., Kiang, M. V., Osborne, T. F.
  2021: 333549211009498

- **Routine asymptomatic testing strategies for airline travel during the COVID-19 pandemic: a simulation study.** *The Lancet. Infectious diseases*
  Kiang, M. V., Chin, E. T., Huynh, B. Q., Chapman, L. A., Rodriguez-Barraquer, I., Greenhouse, B., Rutherford, G. W., Bibbins-Domingo, K., Havlir, D., Basu, S., Lo, N. C.
  2021

- **Evaluation of State Cannabis Laws and Rates of Self-harm and Assault** *JAMA NETWORK OPEN*
  Matthay, E. C., Kiang, M., Elser, H., Schmidt, L., Humphreys, K.
  2021; 4 (3): e211955

- **The impact of mobility network properties on predicted epidemic dynamics in Dhaka and Bangkok.** *Epidemics*
  Brown, T. S., Engo-Monsen, K., Kiang, M. V., Mahmud, A. S., Maude, R. J., Buckee, C. O.

2021; 35: 100441

- **Trends from 2008-2018 in electricity-dependent durable medical equipment rentals and sociodemographic disparities.** *Epidemiology (Cambridge, Mass.)*
  Casey, J. A., Mango, M., Mullendore, S., Kiang, M. V., Hernandez, D., Li, B. H., Li, K., Im, T. M., Tartof, S. Y.
  2021

- **Incorporating human mobility data improves forecasts of Dengue fever in Thailand.** *Scientific reports*
  Kiang, M. V., Santillana, M., Chen, J. T., Onnela, J., Krieger, N., Engo-Monsen, K., Ekapirat, N., Areechokchai, D., Prempree, P., Maude, R. J., Buckee, C. O.
  2021; 11 (1): 923

- **Analysis of unused prescription opioids and benzodiazepines remaining after death among Medicare decedents.** *Drug and alcohol dependence*
  Baum, L. V., Bruzelius, E., Kiang, M. V., Humphreys, K., Basu, S., Baum, A.
  2021; 219: 108502

- **The Impact of the first COVID-19 shelter-in-place announcement on social distancing, difficulty in daily activities, and levels of concern in the San Francisco Bay Area: A cross-sectional social media survey.** *PloS one*
  Elser, H. n., Kiang, M. V., John, E. M., Simard, J. F., Bondy, M. n., Nelson, L. M., Chen, W. T., Linos, E. n.
  2021; 16 (1): e0244819

- **Correction to: Racial/Ethnic Disparities in Opioid-Related Mortality in the USA, 1999-2019: the Extreme Case of Washington DC.** *Journal of urban health : bulletin of the New York Academy of Medicine*
  Kiang, M. V., Tsai, A. C., Alexander, M. J., Rehkopf, D. H., Basu, S.
  2021

- **Geographically targeted COVID-19 vaccination is more equitable and averts more deaths than age-based thresholds alone.** *Science advances*
  Wrigley-Field, E., Kiang, M. V., Riley, A. R., Barbieri, M., Chen, Y. H., Duchowny, K. A., Matthay, E. C., Van Riper, D., Jegathesan, K., Bibbins-Domingo, K., Leider, J. P.
  2021; 7 (40): eabj2099

- **Reconstructing unseen transmission events to infer dengue dynamics from viral sequences.** *Nature communications*
  Salje, H., Wesolowski, A., Brown, T. S., Kiang, M. V., Berry, I. M., Lefrancq, N., Fernandez, S., Jarman, R. G., Ruchusatsawat, K., Iamsirithaworn, S., Vandepitte, W. P., Suntarattiwong, P., Read, et al
  2021; 12 (1): 1810

- **Power Outages and Community Health: a Narrative Review.** *Current environmental health reports*
  Casey, J. A., Fukurai, M., Hernandez, D., Balsari, S., Kiang, M. V.
  2020

- **Measuring mobility to monitor travel and physical distancing interventions: a common framework for mobile phone data analysis** *LANCET DIGITAL HEALTH*
  Kishore, N., Kiang, M., Engo-Monsen, K., Vembar, N., Schroeder, A., Balsari, S., Buckee, C. O.
  2020; 2 (11): E622–E628

- **US-county level variation in intersecting individual, household and community characteristics relevant to COVID-19 and planning an equitable response: a cross-sectional analysis.** *BMJ open*
  Chin, T., Kahn, R., Li, R., Chen, J. T., Krieger, N., Buckee, C. O., Balsari, S., Kiang, M. V.
  2020; 10 (9): e039886

- **U.S. county-level characteristics to inform equitable COVID-19 response.** *medRxiv : the preprint server for health sciences*
  Chin, T., Kahn, R., Li, R., Chen, J. T., Krieger, N., Buckee, C. O., Balsari, S., Kiang, M. V.
  2020

- **Opioid prescribing patterns among medical providers in the United States, 2003-17: retrospective, observational study.** *BMJ (Clinical research ed.)*
  Kiang, M. V., Humphreys, K., Cullen, M. R., Basu, S.
  2020; 368: l6968

- **Implications of the COVID-19 San Francisco Bay Area Shelter-in-Place Announcement: A Cross-Sectional Social Media Survey.** *medRxiv : the preprint server for health sciences*
  Elser, H. n., Kiang, M. V., John, E. M., Simard, J. F., Bondy, M. n., Nelson, L. M., Chen, W. T., Linos, E. n.
  2020
- **Measuring mobility to monitor travel and physical distancing interventions: a common framework for mobile phone data analysis.** *The Lancet. Digital health*
  Kishore, N. n., Kiang, M. V., Engø-Monsen, K. n., Vembar, N. n., Schroeder, A. n., Balsari, S. n., Buckee, C. O.
  2020
- **Every Body Counts: Measuring Mortality From the COVID-19 Pandemic.** *Annals of internal medicine*
  Kiang, M. V., Irizarry, R. A., Buckee, C. O., Balsari, S. n.
  2020
- **Decomposition of the US black/white inequality in premature mortality, 2010-2015: an observational study.** *BMJ open*
  Kiang, M. V., Krieger, N., Buckee, C. O., Onnela, J. P., Chen, J. T.
  2019; 9 (11): e029373
- **Stigma as a fundamental hindrance to the United States opioid overdose crisis response.** *PLoS medicine*
  Tsai, A. C., Kiang, M. V., Barnett, M. L., Beletsky, L., Keyes, K. M., McGinty, E. E., Smith, L. R., Strathdee, S. A., Wakeman, S. E., Venkataramani, A. S.
  2019; 16 (11): e1002969
- **Performance of Matching Methods as Compared With Unmatched Ordinary Least Squares Regression Under Constant Effects** *AMERICAN JOURNAL OF EPIDEMIOLOGY*
  Vable, A. M., Kiang, M. V., Glymour, M., Rigdon, J., Drabo, E. F., Basu, S.
  2019; 188 (7): 1345–54
- **Performance of Matching Methods to Unmatched Ordinary Least Squares Regression Under Constant Effects.** *American journal of epidemiology*
  Vable, A. M., Kiang, M. V., Glymour, M. M., Rigdon, J., Drabo, E. F., Basu, S.
  2019
- **Trends in Black and White Opioid Mortality in the United States, 1979-2015 (vol 29, pg 707, 2018)** *EPIDEMIOLOGY*
  Alexander, M. J., Kiang, M., Barbieri, M.
  2019; 30 (2): E13
- **Assessment of Changes in the Geographical Distribution of Opioid-Related Mortality Across the United States by Opioid Type, 1999-2016.** *JAMA network open*
  Kiang, M. V., Basu, S., Chen, J., Alexander, M. J.
  2019; 2 (2): e190040
- **Assessment of Changes in the Geographical Distribution of Opioid-Related Mortality Across the United States by Opioid Type, 1999-2016** *JAMA NETWORK OPEN*
  Kiang, M. V., Basu, S., Chen, J., Alexander, M. J.
  2019; 2 (2)
- **Trends in pregnancy-associated mortality involving opioids in the United States, 2007-2016** *AMERICAN JOURNAL OF OBSTETRICS AND GYNECOLOGY*
  Gemmill, A., Kiang, M. V., Alexander, M. J.
  2019; 220 (1): 115-116
- **Trends in pregnancy-associated mortality involving opioids in the United States, 2007-2016.** *American journal of obstetrics and gynecology*
  Gemmill, A., Kiang, M. V., Alexander, M. J.
  2018
- **Trends in Black and White Opioid Mortality in the United States, 1979-2015** *EPIDEMIOLOGY*
  Alexander, M. J., Kiang, M. V., Barbieri, M.
  2018; 29 (5): 707–15

- **Military Service, Childhood Socio-Economic Status, and Late-Life Lung Function: Korean War Era Military Service Associated with Smaller Disparities** *MILITARY MEDICINE*
  Vable, A. M., Kiang, M., Basu, S., Rudolph, K. E., Kawachi, I., Subramanian, S., Glymour, M.
  2018; 183 (9-10): E576-E582

- **Mortality in Puerto Rico after Hurricane Maria** *NEW ENGLAND JOURNAL OF MEDICINE*
  Kishore, N., Marques, D., Mahmud, A., Kiang, M. V., Rodriguez, I., Fuller, A., Ebner, P., Sorensen, C., Racy, F., Lemery, J., Maas, L., Leaning, J., Irizarry, et al
  2018; 379 (2): 162–70

- **Military Service, Childhood Socio-Economic Status, and Late-Life Lung Function: Korean War Era Military Service Associated with Smaller Disparities.** *Military medicine*
  Vable, A. M., Kiang, M. V., Basu, S., Rudolph, K. E., Kawachi, I., Subramanian, S. V., Glymour, M. M.
  2018

- **Reproductive justice & preventable deaths: state funding, family planning, abortion, and infant mortality, US 1980-2010.** *SSM - population health*
  Krieger, N., Gruskin, S., Singh, N., Kiang, M. V., Chen, J. T., Waterman, P. D., Beckfield, J., Coull, B. A.
  2016; 2: 277–93

- **Reproductive justice & preventable deaths: State funding, family planning, abortion, and infant mortality, US 1980-2010** *SSM-POPULATION HEALTH*
  Krieger, N., Gruskin, S., Singh, N., Kiang, M. V., Chen, J. T., Waterman, P. D., Beckfield, J., Coull, B. A.
  2016; 2: 277-293

- **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*
  Molina, G., Jiang, W., Edmondson, L., Gibbons, L., Huang, L. C., Kiang, M. V., Haynes, A. B., Gawande, A. A., Berry, W. R., Singer, S. J.
  2016; 222 (5): 725-+

- **New Tools for New Research in Psychiatry: A Scalable and Customizable Platform to Empower Data Driven Smartphone Research** *JMIR MENTAL HEALTH*
  Torous, J., Kiang, M. V., Lorme, J., Onnela, J.
  2016; 3 (2): e16

- **Police Killings and Police Deaths Are Public Health Data and Can Be Counted** *PLOS MEDICINE*
  Krieger, N., Chen, J. T., Waterman, P. D., Kiang, M. V., Feldman, J.
  2015; 12 (12): e1001915

- **Making time for learning-oriented leadership in multidisciplinary hospital management groups** *HEALTH CARE MANAGEMENT REVIEW*
  Singer, S. J., Hayes, J. E., Gray, G. C., Kiang, M. V.
  2015; 40 (4): 300–312

- **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*
  Krieger, N., Singh, N., Chen, J. T., Coull, B. A., Beckfield, J., Kiang, M. V., Waterman, P. D., Gruskin, S.
  2015; 36 (3): 287–303

- **Surgical Team Member Assessment of the Safety of Surgery Practice in 38 South Carolina Hospitals** *MEDICAL CARE RESEARCH AND REVIEW*
  Singer, S. J., Jiang, W., Huang, L. C., Gibbons, L., Kiang, M. V., Edmondson, L., Gawande, A. A., Berry, W. R.
  2015; 72 (3): 298-323

- **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*
  Krieger, N., Gruskin, S., Singh, N., Kiang, M. V., Chen, J. T., Waterman, P. D., Gottlieb, J., Beckfield, J., Coull, B. A.
  2015; 105 (4): 680–82

- **Age at Menarche: 50-Year Socioeconomic Trends Among US-Born Black and White Women** *AMERICAN JOURNAL OF PUBLIC HEALTH*
  Krieger, N., Kiang, M. V., Kosheleva, A., Waterman, P. D., Chen, J. T., Beckfield, J.
  2015; 105 (2): 388–97

- **50-year trends in US socioeconomic inequalities in health: US-born Black and White Americans, 1959-2008** *INTERNATIONAL JOURNAL OF EPIDEMIOLOGY*
  Krieger, N., Kosheleva, A., Waterman, P. D., Chen, J. T., Beckfield, J., Kiang, M. V.
  2014; 43 (4): 1294–1313
- **Jim Crow and Premature Mortality Among the US Black and White Population, 1960-2009 An Age-Period-Cohort Analysis** *EPIDEMIOLOGY*
  Krieger, N., Chen, J. T., Coull, B. A., Beckfield, J., Kiang, M. V., Waterman, P. D.
  2014; 25 (4): 494–504
- **Religiosity and Exposure to Users in Explaining Illicit Drug Use among Emerging Adults** *JOURNAL OF RELIGION & HEALTH*
  Palamar, J. J., Kiang, M. V., Halkitis, P. N.
  2014; 53 (3): 658–74
- **A qualitative descriptive study of perceived sexual effects of club drug use in gay and bisexual men** *PSYCHOLOGY & SEXUALITY*
  Palamar, J. J., Kiang, M. V., Storholm, E. D., Halkitis, P. N.
  2014; 5 (2): 143–60
- **Development and Preliminary Validation of the Patient Perceptions of Integrated Care Survey** *MEDICAL CARE RESEARCH AND REVIEW*
  Singer, S. J., Friedberg, M. W., Kiang, M. V., Dunn, T., Kuhn, D. M.
  2013; 70 (2): 143–64
- **Perceived public stigma and stigmatization in explaining lifetime illicit drug use among emerging adults** *ADDICTION RESEARCH & THEORY*
  Palamar, J. J., Halkitis, P. N., Kiang, M. V.
  2013; 21 (6): 516–25
- **Predictors of Stigmatization Towards Use of Various Illicit Drugs Among Emerging Adults** *JOURNAL OF PSYCHOACTIVE DRUGS*
  Palamar, J. J., Kiang, M. V., Halkitis, P. N.
  2012; 44 (3): 243–51
- **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-BULLETIN OF THE NEW YORK ACADEMY OF MEDICINE*
  Solomon, T. M., Halkitis, P. N., Moeller, R. M., Siconolfi, D. E., Kiang, M. V., Barton, S. C.
  2011; 88 (6): 1063–75
- **A case for safety leadership team training of hospital managers** *HEALTH CARE MANAGEMENT REVIEW*
  Singer, S. J., Hayes, J., Cooper, J. B., Vogt, J. W., Sales, M., Aristidou, A., Gray, G. C., Kiang, M. V., Meyer, G. S.
  2011; 36 (2): 188–200
- **Development and Psychometric Evaluation of Scales that Assess Stigma Associated With Illicit Drug Users** *SUBSTANCE USE & MISUSE*
  Palamar, J. J., Kiang, M. V., Halkitis, P. N.
  2011; 46 (12): 1457–67
- **Personality traits and mental health states of methamphetamine-dependent and methamphetamine non-using MSM** *ADDICTIVE BEHAVIORS*
  Solomon, T. M., Kiang, M. V., Halkitis, P. N., Moeller, R. W., Pappas, M. K.
  2010; 35 (2): 161–63