

CURRICULUM VITAE

September, 2023

Kayo Fujimoto, Ph.D.

Sally W. Vernon, Ph.D. Distinguished Professor in Social Determinants of Health
Professor

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EDUCATION

2003	University of Pittsburgh Pittsburgh, PA	Ph.D.	Sociology
2003	University of Pittsburgh Pittsburgh, PA	M.S.	Statistics
1998	University of Chicago Chicago, IL	M.A.	Social Sciences

PROFESSIONAL EXPERIENCE

2020–present	Full Professor, Department of Health Promotion & Behavioral Sciences (Primary), Department of Biostatistics and Data Science (Secondary), School of Public Health Adjunct Professor, School of Biomedical Informatics University of Texas Health Science Center at Houston (UTHealth), Houston, TX
2019–present	Sally W. Vernon, Ph.D. Distinguished Professorship in Social Determinants of Health, University of Texas Health Science Center at Houston (UTHealth), Houston, TX
2016–2020	Associate Professor (with tenure), Department of Health Promotion & Behavioral Sciences (Primary), Department of Biostatistics and Data Science (Secondary), School of Public Health Adjunct Associate Professor, School of Biomedical Informatics, University of Texas Health Science Center at Houston (UTHealth), Houston, TX
2012–2016	Assistant Professor (tenure track), Department of Health Promotion & Behavioral Sciences (Primary appointment), Department of Biostatistics (Secondary), School of Public Health, School of Biomedical Informatics (Adjunct), University of Texas Health Science Center at Houston (UTHealth), Houston, TX

2007–2011 Postdoctoral Training Fellow/Research Associate, Institute for Prevention Research,
University of Southern California, Los Angeles, CA

2004–2007 Research Fellow of the Japan Society for the Promotion of Sciences, Japan

HONORS AND AWARDS

2016 Nominated for the Excellence in Teaching Award by Department Chair, School of
Public Health, UTHealth

2016 Nominated for the Research Mentoring Award by Department Chair, School of Public
Health, UTHealth

2015, 2016 Nominated for ASPPH Early Career Public Health Research Award by Department
Chair

2001–2002 Andrew Mellon Pre-doctoral Fellowship, University of Pittsburgh

RESEARCH SUPPORT

Principal Investigator/Multiple PI/Subcontract-PI

I. Active

CDC (PI: Parrot, T., Bahl, J., Hutchins, R.)

Role: Subcontracting PI through Georgia Department of Public Health 03/23 – 01/28
“CAPE – Center for Applied Pathogen Epidemiology”

The award is part of an investment by the CDC to build a Pathogen Genomics Center of Excellence (PGCoE), a network of centers in five states that consists of a health department and academic institutions. UTHealth participates Core 1 Translation of “Molecular Epidemiology,” in partnership with the Georgia Department of Public Health, US Virgin Island Department of Health, Puerto Rico Department of Health, Houston Health Department, and with five academic institutions: University of Georgia, Georgia Tech Research Institute, Emory University, Augusta University, and Georgia State University.

NIH/R01 (PI: Kanamori, M. N.)

09/22 – 09/27

Role: Subcontracting PI through University of Miami

“LatiNET, a Multilevel Social Network Model to Examine and Address SARS-CoV-2 Misinformation in Low Income Latinx Communities”

This project will use a multilevel social network model to examine how SARS-CoV-2 misinformation and Conspiracy Theory (CT) messages are shared across five settings (friends, family, work, health service and influencers), impacting Latinx vaccine hesitancy.

NIH/R01 (PI: Valente, T. W.)

08/22 – 07/25

Role: Subcontracting PI through University of Southern California

“Using Social Network Analysis to Understand Peer Influences on ENDS Use”

This project will examine whether adolescents are influenced by their friends to initiate and continue ENDS use, as well as whether friends influence brand and flavor choices and marijuana uptake. In addition, network selection processes will be tested which occurs when people make network changes to be consistent with their behavior.

NIH/1U01TR004355-01 (PI: McPherson, D., Fernandez, M. E., Fujimoto, K., McGaha, P., Bauer, C., & Reininger, B.) 12/22–11/24

Role: Multiple Principal Investigator

“Addressing COVID-19 Testing Disparities in Vulnerable Populations Using a Community JITAI (Just In Time Adaptive Intervention) Approach: RADxUP Phase III”

This project proposes to develop and evaluate a community-based, multilevel just-in-time intervention to address COVID-19 testing and social determinants of health among several racially diverse, underserved populations in Texas. The project is highly significant for its potential to enhance surveillance, address misinformation and advance the science on best practices for improving testing and mitigation practices. Total Costs: \$1,096,924/ Direct Costs: \$746,951 / Indirect Costs: \$349,973

Supplement for the Texas D-CFAR NIH/NIAID P30AI161943 (PI: Giordano, T. P.) 09/22–03/24

Role: Supplement PI through Baylor College of Medicine

“Blockchain-based HIV Testing Management System”

This project proposes to develop and research the first blockchain-applied HIV status management platform, which enables marginalized and stigmatized individuals to digitally document and update their HIV status through a mobile phone app so that they will be able to more easily access comprehensive HIV prevention and care.

Total Costs: \$352,787

NIH/1R01MH125727-01 (PI: Kanamori, M. N.) 12/20–11/23

Role: Subcontracting PI through University of Miami

“PrEPParados: A Multi-level Social Network Model to Increase PrEP Enrollment by Latino MSM Self-identified as Gay, Bisexual or Straight in Miami”

The study will characterize how stress risk factors (immigration, discrimination, homophobia and racism) and Latino cultural values (family cohesion, marianismo, machismo, and religiosity) influence social network structures, which in turn impact access to PrEP information, uptake and adherence by Latino men who have sex with other men (LMSM) who self-identify as bisexual/straight or gay.

Total Costs: \$81,267/ Direct Costs: \$45,510

NIH/NIAID R01AI136056 (PI: Schneider, J.A, D’Aquila, R.T., & Benbow, N.) 02/18–1/24 (NCE)

Role: Subcontracting PI through University of Chicago

“Next-generation Phylodynamics-targeted Partner Service Models for Combined HIV Prevention”

The goal of this project is to guide and transform the rapidly evolving public health implementation of molecular HIV surveillance (MHS) based prevention interventions as a critical step towards HIV elimination.

Total Costs: \$241,622/ Direct Costs: \$156,897/ Indirect Costs: \$84,725

NIH/NIDA U2C DA050098-01 (PI: Schneider, J. A. & Pollack, H. A.) 06/19–05/24

Role: Subcontracting PI (a Core Methodology Co-Leader for Social Network Analysis) through University of Chicago

“Methodology and Advanced Analytics Resource Center (MAARC)”

This project proposes advanced bi-directional data sharing, analytics and modeling capacities to provide new scientific insights into interventions at the intersection of opioid use and justice contexts that will ultimately lead to reductions in opioid overdose: The Methodology and Advanced Analytics Resource Center (MAARC). The MAARC will support these capabilities within opioid clinical trials implemented within justice contexts.

Total Costs: \$358,792/ Direct Costs: \$230,895 / Indirect Costs: \$127,897

In-Kind

UTH-MDA Population Health Initiative Collaborative Project Award (PI: Fujimoto, K. & Chiao, E.)

Role: Principal Investigator (donating 10% FTE) 10/21–09/24 (NCE)

“Identifying Social Drivers of Racial Disparities in Anal HPV Infection: Novel Targets for Anal Cancer Prevention Targets in Young Men who Have Sex with Men (MSM)”

In this project, Dr. Fujimoto (UTHealth) and Dr. Chiao (MD Anderson Cancer Center) will form a new collaboration to fuel the UTH and MDA’s commitment to population health impact in Texas. The study is expected to advance the areas of Health Equity and Social Drivers of Health (Strategy 4) and Chronic Disease Prevention and Control Research and Practice (Strategy 1) by addressing the challenges which impact the structural determinants of health and high-risk HPV (particularly HPV-16) transmission among young Black MSM in order to achieve a meaningful reduction in the burden of HPV-associated anal cancer in this population.

Total Costs: \$99,806

Co-investigator

Supplement for the Texas D-CFAR NIH/NIAID P30AI161943 (PI: Giordano, T. P.) 09/22–08/24 (NCE)

Role: Co-Investigator

“Texas Implementation Science Hub to end HIV” (PI: Markham, C. & Balasubramanian, B.)

The overarching goal of this project is to establish the Texas Implementation Science Hub to End HIV (*aka* the Texas IS Hub) as part of the Texas Developmental Center for AIDS Research – a collaboration of three premiere institutions in Texas including: Baylor College of Medicine, University of Texas Health Science Center (UTHealth) and Texas Biomedical Research Institute.

Total Costs: \$346,826/ Direct Costs: \$222,324 / Indirect Costs: \$124,502

3. Completed

Principal Investigator/MPI/Subcontracting-PI

NIH/3UL1TR003167-03S3 (PI: McPherson, D., Fernandez, M. E., Fujimoto, K., McGaha, P., de Oliveira Otto, M. C., & Reininger, B.) 09/21–08/23

Role: Multiple Principal Investigator

“Addressing COVID-19 Testing Disparities in Vulnerable Populations Using a Community JITAI (Just In Time Adaptive Intervention) Approach – Phase II”

This study will leverage long-standing academic-community partnerships to examine COVID-19 infection, testing, and vaccination patterns in three Texas regions (Houston/Harris County, South Texas, and Northeast Texas) to identify underserved communities. In these communities, we will provide and evaluate a multilevel intervention to increase reach, uptake, implementation, and sustainment of SARS-CoV-2 testing and COVID-19 vaccination. We will also explore the impact and reach of people’s communication networks on attitudes, intentions, and decisions on behavior regarding SARS-CoV-2 testing and COVID-19 vaccination.

Total Costs: \$1,174,131 / Direct Costs: \$796,433 / Indirect Costs: \$377,698

CDC/75D30121C10133 (PI: Bahl, J.)

02/21–01/23

Role: Subcontracting PI through University of Georgia, Athens

“Molecular Epidemiology and Transmission Dynamics of COVID-19 in Houston Texas”

This study aims at combining epidemiological surveillance with viral comparative genomic analysis in a statistical phylodynamic framework to understand the characteristics of SARS-CoV-2 transmission dynamics in Houston, TX.

Total Costs: \$299,920 / Direct Costs: \$192,228

Houston Health Department (PI: Khurshid, A.)

10/21–01/23

Role: Subcontracting PI through University of Texas at Austin

“Pilot the Feasibility of Applying Blockchain Technology”

This project will design a pilot for testing the feasibility of using blockchain technology for the highly sensitive HIV-related testing and treatment data that allows greater personal control and trust in patients for sharing this information.

Total Costs: \$45,971 / Direct Costs: \$36,485 / Indirect Costs: \$9,486

NIH/NIAID 1R56AI150272-01A1 (PI: Tao, C., Fujimoto, K., & Schneider, J. A.) 09/20–08/22

Role: Multiple Principal Investigator

“Using Big Data and Deep Learning on Predicting HIV Transmission Risk in MSM Population”

This project aims at constructing a comprehensive framework that combines population-based molecular, behavior, and contact/partner tracing information including venue affiliation data and behaviors, as well as existing locally collected cohort data in collaboration with the health departments of Houston and Chicago. We will then develop deep-learning algorithms that leverage the comprehensive framework for cluster growth and to identify newly infected populations. Total Costs: \$801,194/ Direct Costs: \$574,350/ Indirect Costs: \$226,844

NIH/NIDA 1R01DA039934 (PI: Schneider, J. A., Fujimoto, K., & Harawa, N.) 07/15–04/22

Role: Multiple Principal Investigator, subcontract through University of Chicago

“HIV Intervention Models for Criminal Justice Involved Substance-using Black MSM”

(“BARS: Building Agent-based models for a Racialized-justice System”)

This project takes a systems science approach to estimate the effectiveness of HIV prevention interventions for criminal justice (i.e., jail and community supervision) involved younger Black men who have sex with men in HIV prevention services. This study is conducted in three sites (Houston, TX; Los

Angeles, CA; and Chicago, IL), with collaborations with the University of Chicago (primary institution), Argonne National Laboratory, and UCLA.

Total Costs: \$613,636 / Direct Costs: \$398,465 / Indirect Costs: \$215,171

Supplement, 3R01DA039934 (PI: Schneider, J. A., Fujimoto, K., & Harawa, N.) 05/18–04/22

Role: Multiple Principal Investigator, subcontract through University of Chicago

“HIV Intervention Models for Criminal Justice Involved Substance-using Black MSM”

The primary goal of the proposed supplement is to examine institutional and social network contributors to opioid use (including prescription opioids, heroin, and synthetic opioids such as fentanyl), opioid use disorder, and opioid-related harms among younger Black men who have sex with men (YBMSM) with involvement in the criminal justice/corrections system.

Total Costs: \$98,349/ Direct Costs: \$63,863/ Indirect Costs: \$34,486

NIH/NIAID 1R21AI139480 (PI: Fujimoto, K.)

06/18–05/21

Role: Principal Investigator

“Network Dynamics of Syphilis Coinfection within Biomedical Prevention”

This project takes biological, behavioral, and network perspectives to investigate complex syphilis-HIV transmission dynamic processes, coevolved with sex behavioral dynamic, and sexual network dynamic, and risk reduction behavioral dynamic among young Black men who have sex with men at the aim of creating effective syphilis eliminations interventions for most-at-risk population in the United States. Total Costs: \$438,175/ Direct Costs: \$340,252/ Indirect Costs: \$97,923

Supplement for NIH/NIAID P30AI117943 (PI: D’Aquila, R. T.)

08/19–05/21

Role: Subcontracting PI through Northwestern University

“Next generation responses to HIV related events in ending the epidemic contexts” (PI: Schneider, J.A.)

Total Costs: \$24,839/ Direct Costs: \$16,129/ Indirect Costs: \$8,710

NIH/NIMH 1R01MH100021 (PI: Fujimoto, K., & Schneider, J. A.)

04/13–02/19

Role: Principal Investigator

“YMAP: Young Men’s Affiliation Project of HIV Risk and Prevention Venue”

This project conducts a multisite longitudinal network study to investigate the HIV/STD risk and protective behaviors associated with social networks created by venue affiliations among young men who have sex with men (YMSM) aged 16 to 29 years. This study is conducted in two cities (Houston, TX, and Chicago, IL), with collaborations with the University of Chicago and Lurie Children’s Hospital of Chicago.

Total Costs: \$3,008,690 / Direct Costs: \$2,502,247 / Indirect Costs: \$506,443

NIH/NIGMS 1R21GM113694 (PI: Fujimoto, K.)

07/15–06/18

Role: Principal Investigator

“iMAN: integrated Molecular & Affiliation Network Analysis of HIV transmission”

This project integrates molecular phylogenetic analysis with affiliation network analysis to examine HIV/AIDS transmission structure among younger Black men who have sex with men aged 16 to 29 years

in Houston, TX, and Chicago, IL. This project collaborates with a research team at the University of Athens, Greece, for HIV phylogenetic analysis, as well as with the University of Chicago and Lurie Children's Hospital of Chicago (Northwestern University).

Total Costs: \$442,076 / Direct Costs: \$314,397 / Indirect Costs: \$127,679

Gilead Sciences, Inc. IN-US-276-D120 (PI: Fujimoto, K.)

05/16–10/18

Role: Principal Investigator

“Racial/Ethnic Disparity in PrEP Care Continuum: Multiplex Networks Involving Health Venues and Younger MSM”

This study proposes to identify any racial/ethnic differences in younger MSM's affiliation with both clinical and non-clinical venues in Houston and Chicago.

Total Costs: \$139,532 / Direct Costs: \$86,307 / Indirect Costs: \$53,225

NIH/NHLBI R01HL120725 (PI: Kandula, N.)

01/14–12/17

Role: Subcontracting PI through Northwestern University

“Social and Cultural Influences on Diet and Physical Activity in South Asians”

The study takes a social network approach in order to determine network-level sociocultural drivers of diet and physical activity among U.S. South Asians.

Total Costs: \$33,222 / Direct Costs: \$21,857 / Indirect Costs: \$11,365

NIH/DHHS 1R01CA157577-01A1 (PI: Valente, T. W.)

05/12–03/17

Role: Subcontracting PI through University of Southern California

“The Global Diffusion of Tobacco Control”

This study proposes to compile extensive network data from GLOBALink, an electronic forum for global tobacco advocacy to estimate network effects in a dynamic modeling framework. Total

Costs: \$79,345 / Direct Costs: \$52,200 / Indirect Costs: \$27,145

NIH/NIAAA 4R00AA019699-03 (PI: Fujimoto, K.)

04/12–03/15

Role: Principal Investigator

“Comparing Social Network Influence on Alcohol Use using Affiliation Data”

This study examined the dynamics of the two-mode affiliation networks between adolescents and social contexts including school-sponsored organized sports activities in relation to adolescent alcohol use and cigarette smoking. This study applied stochastic network modeling methodologies such as exponential random graph models and stochastic actor-oriented network dynamic models to identify social mechanisms by analytically disentangling the effects of social contexts on network dynamics from the effects of social networks on social contexts.

Total Costs: \$411,473 / Direct Costs: \$270,706 / Indirect Costs: \$140,767

NIH/NIAAA 1K99AA019699-01 (PI: Fujimoto, K.)

09/10–12/11

Role: Principal Investigator

“Comparing Social Network Influence on Alcohol Use using Affiliation Data”

This study developed a new network influence model that uses two-mode affiliation network data (actor-by-event affiliation/bipartite) by extending one-mode (actor-by-actor network) network exposure model

to measure affiliation-based social influence (adolescents affiliate with organized activities sponsored at school, or identify with crowds) and its association with adolescent alcohol use and cigarette smoking.
Total Costs: \$170,006 / Direct Costs: \$101,935 / Indirect Costs: \$68,071

JSPS#09348 (PI: Fujimoto, K.)

04/04–06/07

Ministry of Education, Culture, Sports, Science and Technology–Japan Role:
Principal Investigator

“Network Structure of Contemporary Japanese Female Labor Market”

To examine structural features of entry-level Japanese female labor market by employing social network analysis and statistical methods.

Total Costs: \$103,842 (1,1648,000 yen, converted \$1 = 112.17 yen, average exchange rate)

Co-investigator and other roles

NIH/NLM R01LM012974-01A1 (PI: Myneni, S.)

07/19–06/23

Role: Co-Investigator

“Pragmatics to Reveal Intention in Social Media (PRISM) for Health Promotion”

This project will investigate associations between communication and social influence dynamics underlying behavior change and chronic disease management as manifested in health-related member communication of online communities. We will integrate methods of discourse analysis, automated text analysis, and dynamic network models to analyze electronically captured peer-to-peer communication and characterize communication intent and content at scale.

Total Costs: \$1,611,685/ Direct Costs: \$1,172,098/ Indirect Costs: \$439,587

NIH/3UL1TR003167-02S1 (PI: McPherson, D. D.)

09/20–08/22

Role: Co-Investigator

“RADx: Understanding and Addressing COVID-19 Testing Disparities in Vulnerable Populations: A Multilevel and Multi-method Approach (CCTS)”

Building on the partnerships and resources of the Center for Clinical and Translational Science (CCTS), the goal of the proposed study is to identify dynamic disease hotspots and testing deserts in racially diverse regions of the target regions, to inform the development and evaluation of multilevel level just-in-time adaptive intervention strategies to reach individuals with medical comorbidities and whose demographic category and/or living condition are known to increase risk of severe COVID-19 infection. This study will identify dynamic disease hotspots and testing deserts in racially diverse regions of South (Houston/Harris County) and Northeast Texas.

Total Costs: \$4,998,788 / Direct Costs: \$3,682,611 / Indirect Costs: \$1,316,177

NIH/NCI R21 CA220670-01 (PI: Myneni, S.)

09/17–08/20

Role: Co-Investigator

“Characterization of the Manifestation of Stages and Processes of Smoking Behavior Change in Health-related Social Intercourse”

This project investigates the manifestation of behavior change processes and stages in online social discourse focusing smoking cessation. As a component of the proposed research we will integrate

automated text analysis and network models to understand social mechanisms and influence patterns underlying electronically captured peer-to-peer communication related to behavior modification. Total Costs: \$39,016 / Direct Costs: \$25,335.00 / Indirect Costs: \$13,681.00

CPRIT PP160051 (PI: Fernandez, M.)

12/15–05/17

Role: Co-Investigator

“Dissemination of an Evidence-Based HPV Vaccination Intervention in Community and Clinical Settings”

The overall goal is to increase the reach, adoption, and implementation of a HPV educational program for parents, with a particular emphasis on reducing HPV-related health disparities among Hispanics. Direct Costs: \$299,781

NIH/NLM 1R21LM012271-01 (PI: Myneni, S.)

09/15–08/18

Role: Co-Investigator

“Content-based Social Network Analysis Methods for Data-driven Health Promotion”

This project integrates qualitative analysis, automated text analysis, and social network models to understand social influence patterns embedded in peer-to-peer communication exchanges on digital communication platforms, aiming at the development of data-driven socio-behavioral interventions. Total Costs: \$48,767 / Direct Costs: \$31,667.00 / Indirect Costs: \$17,100.00

NIH/NIAAA 1RC1AA019239-01 (PI: Valente, T. W.)

09/09–08/11

Role: Postdoctoral Fellow

“Social Networks and Networking that put Adolescents at High Risk”

To investigate how social network data may be used to identify adolescents at risk for negative health behaviors such as smoking, alcohol use, or drug use by comparing several aspects of survey data collection. Total Costs: \$714,008 / Direct Costs: \$439,670 / Indirect Costs: \$274,338

NIH/NIMH 1R01MH089474-01 (PI: Solomon, O.)

09/09–08/11

Role: Consultant (Social Network Analysis)

“Autism in Urban Context: Linking Heterogeneity with Health and Service Disparities”

To examine health and service disparities in autism spectrum disorder (ASD) diagnoses among African American children living in Los Angeles.

Total Costs: \$1,248,025

NIH/NCI 5T32 CA009492-23-25 (PI: Pentz, M. A.)

08/07–07/10

Role: Postdoctoral Fellow (11/07–08/10)

Cancer Control and Epidemiology Research Training Grant

Training of postdoctoral fellows in cancer prevention and control.

PUBLICATIONS

†share the lead authorship; *indicates student/postdoc authorship

Peer-Reviewed Journals

1. Ducharme, L., **Fujimoto, K.**, *Kuo, J., Stewart, J., Taylor, B., Schneider, J.A. (2024). Collaboration and growth in a large research cooperative: A network analytic approach. *Evaluation and Program Planning*, 102, 102375. doi.org/10.1016/j.evalprogplan.2023.102375.
2. *Salyards, M., Nijhawan, A.E., *Kuo, K., Knights, S.M., Lazarte, S., Labo, N., Miley, W., Whitby, D., Hwang, L-Y., Kornberg, A.W., **Fujimoto, K.**, & Chiao, E.Y. (2023). Prevalence, incidence, and predictors of Kaposi sarcoma-associated herpesvirus infection among young men who have sex with men in the southern United States, *The Journal of Infectious Diseases*.
https://doi.org/10.1093/infdis/jiad384.
3. *Zhao, B., Huepenbecker, S., Zhu, G., Rajan, S. S., **Fujimoto, K.**, & Luo, X. (2023). Comorbidity network analysis using graphical models for electronic health records. *Front. Big Data*, 6 (Data Mining and Management). doi.org/10.3389/fdata.2023.846202.
4. *Amboree, T.L., Nyitray, A.G., Schneider, J., Gargurevich, N., Kuo, J., Chiao, E.Y., Hwang, L.Y., & **Fujimoto, K.** (2023). Are human papillomavirus knowledge and vaccine uptake associated with HIV status and social determinants of health in young sexual minority men?. *Preventive Medicine Reports*, p.102132.
5. †*Lee, F., †Khanna, A. S., *Hallmark, C. J., *Lavingia, R., McNeese, M., *Zhao, J., McNeese, M., Khuwaja, S., Ardestani, B. M., Collier, N., Ozik, J., Hotton, A., Harawa, N. T., Schneider, J. A., & **Fujimoto, K.** (2023). Expanding Medicaid to reduce HIV transmission in Houston, Texas: Insights from a modeling study. *Medical Care*, 61(1), 12–19.
6. Antos, N., Flores, R., Harawa, N., Vecchio, N. D., Issema, R., **Fujimoto, K.**, Khanna, A. S., Paola, A. D., Schneider, J. A., Hotton, A. L. (2023) Factors associated with HIV testing and treatment among young Black MSM and trans women in three jail systems. *AIDS Care*, 35(1) ,123-130. doi: 10.1080/09540121.2022.2094312. Epub 2022 Jul 17. PMID: 35848452.
7. Garcia, M., Devlin, S., Kerman, J., **Fujimoto, K.**, Hirschhorn, L. R., Phillips, G. II, Schneider, J. A., & McNulty, M. C. (2023) Ending the HIV epidemic: identifying barriers and facilitators to enhance public health efforts to implement molecular HIV surveillance to develop real-time cluster detection and response interventions for local communities. *International Journal of Environmental Research and Public Health*, 20(4), 3269. doi: 10.3390/ijerph20043269.
8. *Adzrago, D., Harrell, M. B., **Fujimoto, K.**, Jones, A., & Wilkerson, J. M. (2023). Association between e-cigarette use behaviors and anxiety/depression among Black/African American adults based on sexual identity. *International Journal of Environmental Research and Public Health*, 20(3), 2078.
9. *Hallmark, C. J., Luswata, C., Del Vecchio, N., Hayford, C., Mora, R., Carr, M., McNeese, M., Benbow, N., Schneider, J. A., Wertheim, J. O. & **Fujimoto, K.** (2023). Predictors of HIV molecular cluster membership and implications for partner services. *AIDS Research and Human Retroviruses*. doi.org/10.1089/aid.2022.0088.

10. *Devlin, S. A., Garcia, M., **Fujimoto, K.**, Hallmark, C., McNeese, M., Schneider, J. and McNulty, M. C. (2022). “Everything... Fell Apart Once COVID-19 Hit”—Leveraging the COVID-19 Response to Strengthen Public Health Activities toward Ending the HIV Epidemic: A Qualitative Study. *International Journal of Environmental Research and Public Health*, 19(22), 15247.
11. *Mazrouee, S., Hallmark, C. J., Mora, R., Del Vecchio, N., Hernandez, C. R., Carr, M., McNeese, M., **Fujimoto, K.**, & Wertheim, J. O., 2022. Impact of molecular sequence data completeness on HIV cluster detection and a network science approach to enhance detection. *Scientific Reports*, 12(1), 1–10.
12. *Adzrago, D., **Fujimoto, K.**, Harrell, M. B., Jones, A., & Wilkerson, J. M. (2022). Association between e-cigarette use behaviors and perceived harmfulness of e-cigarettes and anxiety/depression symptoms among Black/African American Adults. *Preventive Medicine Reports*, 102080.
13. *Antos, N., Flores, R., Harawa, N., Del Vecchio, N., Issema, R., **Fujimoto, K.**, Khanna, A. S., Di Paola, A., Schneider, J. A. & Hotton, A. L. (2022). Factors associated with HIV testing and treatment among young Black MSM and trans women in three jail systems. *AIDS Care*, 1–8.
14. *Arevalo, M., Pickering, T. A., Vernon, S. W., **Fujimoto, K.**, Peskin, M. F., & Farias, A. J. (2022). Do breast cancer survivors with a recent history of clinical depression report worse experiences with care? A retrospective cohort study using SEER-CAHPS data. *Cancer Medicine*. doi: <https://doi.org/10.1002/cam4.5031>.
15. *Tadese, B. K., Darkoh, C., DeSantis, S. M., Mgbere, O., & **Fujimoto, K.** (2022). Clinical epidemiology of Carbapenem-Resistant Enterobacterales in the Greater Houston region of Texas: A 6-year trend and surveillance analysis. *Journal of Global Antimicrobial Resistance*. doi: <https://doi.org/10.1016/j.jgar.2022.06.019>.
16. *Tadese, B. K., **Fujimoto, K.**, DeSantis, S. M., Mgbere, O., & Darkoh, C. (2022). Regional transmission patterns of Carbapenemase-Producing Enterobacterales: A healthcare network analysis. *Journal of Infection Control and Hospital Epidemiology*. doi: 10.1017/ice.2022.102.
17. *Robertson. M. C., Cox-Martin, E., Shegog, R., Markham, C. M., **Fujimoto, K.**, Durand, C. P., Brewster, A., Lyons, E. J., Liao, Y., Flores, S. A., & Basen-Engquist, K. M. (2022). The acceptability of an electronically delivered, acceptance- and mindfulness-based physical activity intervention for breast cancer survivors: A one-group pretest-posttest design. *JMIR Cancer*, 8(2): e31815.
18. *Robertson. M. C., Cox-Martin, E., Liao, Y., Flores, S. A., Shegog, R., Markham, C. M., **Fujimoto, K.**, Durand, C. P., Brewster, A., Lyons, E. J., Basen-Engquist, K. M. (2022). Acceptance- and mindfulness-based techniques for physical activity promotion in breast cancer survivors: a qualitative study. *Support Care Cancer*. doi: 10.1007/s00520-021-06428-x.
19. *Amboree, T. L., Montealegre, J. R., Wermuth, P. P., Mgbere, O., **Fujimoto, K.**, & Darkoh, C. (2022). Awareness of human papillomavirus and reported human papillomavirus vaccine uptake in a high-risk population. *Preventive Medicine Reports*, 101853.

20. *Amboree, T. L., Montealegre, J. R., **Fujimoto, K.**, Mgbere, O., Darkoh, C., and Wermuth, P. P. (2022). Exploring preventive healthcare in a high-risk vulnerable population. *International Journal of Environmental Research and Public Health*, 19(8): 4502.
21. *Amboree, T. L., Wermuth, P. P., Montealegre, J. R., **Fujimoto, K.**, Mgbere, O. and Darkoh, C., 2023. Sexual Behaviors and Human Papillomavirus Vaccination in a Heterosexually Active Adult Population at Increased Risk for HIV Infection. *Archives of Sexual Behavior*, 52(2), 793–801.
22. Mauldin, R. L., Barros-Lane, L., Tarbet, Z., **Fujimoto, K.**, & Narendorf, S. C. (2022). Cohort-based education and other factors related to student peer relationships: A mixed-methods social network analysis. *Education Sciences*, 12(3): 205.
23. †*Lee, F., Sheeler, D., Hotton, A., Del Vecchio, N., Flores, R., **Fujimoto, K.**, Harawa, N., Schneider, J. A., & †Khanna, A. S. (2022). Stimulant use interventions may strengthen ‘Getting to Zero’ HIV elimination initiatives in Illinois: Insights from a modeling study. *International Journal of Drug Policy*, 103, 103628.
24. Harawa, H., Schrode, K., Daniels, J., Javanbakht, M., Hotton, A., Makgoeng, S., Ragsdale, A., Schneider, J.A., **Fujimoto, K.**, Bolan, R., & Gorbach, P. (2022). Factors predicting incarceration history and incidence among Black and Latino men who have sex with men (MSM) residing in a major urban center. *PLOS ONE*. <https://doi.org/10.1371/journal.pone.0265034>.
25. †**Fujimoto, K.**, Nyitray, A. G., *Kuo, J. C., *Zhao, J., Hwang, L.-Y., Chiao, E. Y., Giuliano, A. R., Schneider, J. A. & †Khanna, A. (2022). Social networks, high-risk anal HPV, and co-infection with HIV in young sexual minority men. *Sexually Transmitted Infections*. doi:10.1136/sextrans-2021-055283.
26. †**Fujimoto, K.**, †Paraskevis, D., *Kuo, J. C., *Hallmark, C. J., *Zhao, J., Hochi, A., Kuhns, L. M., Hwang, L.-Y., Hatzakis, A., & Schneider, J. A. (2022). Integrated molecular and affiliation network analysis: Core-periphery social clustering is associated with HIV transmission clusters. *Social Networks*, 68, 107–117.
27. *Adzrago, D., *Shi, Y., & **Fujimoto, K.** (2022). Association between perceived health risks of e-cigarettes and actual e-cigarette use, based on cigarette smoking status and sexual and gender minority status among U.S. adults. *Journal of Public Health*. doi:10.1007/s10389-021-01674-z.
28. Kanamori, M., Shrader, C.-H., Flores-Arroyo, J., Johnson, A., Rodriguez, E., Fallon, S., Skvoretz, J., Gonzalez, V., Doblecki-Lewis, S., Carrico, A., **Fujimoto, K.**, Williams, M., & Safren, S. (2022). The association between egocentric sexual networks and sexual meeting venues with PrEP conversation and encouragement for use among Latinx men who have sex with men. *AIDS Care*. doi: 10.1080/09540121.2021.2023728.
29. Schneider, J.A., Hayford, C., Hotton, A., Tabidze, I., Wertheim, J.O., Ramani, S., Hallmark, C., Morgan, E., Janulis, P., Khanna, A., Ozik, J., **Fujimoto, K.**, Flore, R., D’aquila, R., Benbow, N. (2021).

Do partner services linked to molecular clusters yield people with viremia or new HIV? results from a historical cohort study. *AIDS*, 36(6):845-852.

30. Hotton, A.L., Chen, Y.T., Schumm, P., Khanna, A.S., Brewer, R., Skaathun, B., Issema, R.S., Ramani, S., Ramachandran, A., Ozik, J., **Fujimoto, K.**, Harawa, N. T., & Schneider, J. A. (2020). Socio-structural and neighborhood predictors of incident criminal justice involvement in a population-based cohort of young Black MSM and transgender women. *Journal of Urban Health*, 97, pp.623-634.
31. *Zhao, J., Green, C., Markham, C., **Fujimoto, K.**, Nyitray, A. G. and Hwang, L.Y. (2021). The association between non-injection drug use and hepatitis C infection among HIV-negative men who have sex with men. *BMC Public Health*. doi: 10.21203/rs.3.rs-946966/v1.
32. †**Fujimoto, K.**, †Bahl, J., Wertheim, J. O., *Del Vecchio, N., *Hicks, J., *Damodaran, L., *Hallmark, C. J., *Lavingia, R., Mora, R., Carr, M., Yang, B., Schneider, J. A., Hwang L.-Y., & McNeese, M. (2021). Methodological synthesis of Bayesian phylodynamics, HIV-TRACE, and GEE: HIV-1 transmission epidemiology in a racially/ethnically diverse Southern U.S. context. *Scientific Reports*, 11:3325. doi.org/10.1038/s41598-021-82673-8.
33. *Young, L. E., & **Fujimoto, K.** (2021). The co-evolution of online social networks and syphilis incidence among young Black men who have sex with men. *Social Science & Medicine*, 272: 113764.
34. *Xiang, Y., **Fujimoto, K.**, *Li, F., *Wang, Q., *Del Vecchio, N., Schneider, J. A., Zhi, D., & Tao, C. (2021). Identifying influential neighbors in social networks and venue affiliations among young MSM: A data science approach to predict HIV infection. *AIDS*, 35(Suppl 1), S65–S73.
35. Mauldin, R. L., **Fujimoto, K.**, Wong, C., Herrera, S. E., & Anderson, K. (2021). Social networks in an assisted living community: Correlates of acquaintance and companionship ties among residents. *The Journals of Gerontology, Series B: Psychological Sciences and Social Sciences*. doi.org/10.1093/geronb/gbab079.
36. †*Xiang, Y., †Du, J., **Fujimoto, K.**, *Li, F., Schneider, J. A., & Tao, C. (2021). Review of application of artificial intelligence and machine learning for HIV prevention interventions to eliminate HIV. *Lancet HIV*, 9(1), e54–62. doi: https://doi.org/10.1016/ S2352-3018(21)00247-2.
37. *Khalil, G. E., Jones, E., & **Fujimoto, K.** (2021). Examining proximity exposure in a social network as a mechanism driving peer influence of adolescent smoking. *Addictive Behaviors*, 117:106853.
38. Mauldin, R., Al Rawwad, R., Amith, M., Kuhns, L., Schneider, J. A., **Fujimoto, K.** (2021) Community-Clinic Linkages for Promoting HIV Prevention: Organizational Networks for PrEP Client Referrals and Collaborations. *AIDS Care*. doi: 10.1080/09540121.2021.1936445.
39. Brewer, R., Ramani, S. L., Khanna, A., **Fujimoto, K.**, Schneider, J. A., Hotton, A., Wilton, L., Escobedo, T., & Harawa, N. T. (2021) A systematic review up to 2018 of HIV and associated factors

among criminal justice involved (CJI) Black sexual and gender minority populations in the United States (US). *Journal of Racial and Ethnic Health Disparities*.

40. *Kanamori M. N., Williams M. L., **Fujimoto, K.**, Shrader, C.H., Schneider J.A., & De La Rosa, M. (2021). A social network analysis of cooperation and support in an HIV service delivery network for young Latino MSM in Miami. *Journal of Homosexuality*, 68(6), 887–900. PMID: 31553688. PMC7093249.
41. Khanna, A. S., Edali, M., Ozik, J., Collier, N., Hotton, A., Skwara, A., Ardestani, B. M., Brewer, R., **Fujimoto, K.**, Harawa, N., Schneider, J. A. (2021). Projecting the number of new HIV infections to formulate the “Getting to Zero” Strategy in Illinois, USA. *Mathematical Biosciences and Engineering*, 18(4), 3922–3938.
42. Gore, D. J., Schueler, K., Ramani, S., Uvin, A., Phillips, G., McNulty, M., **Fujimoto, K.**, & Schneider, J. A. (2021). HIV response interventions that integrate HIV molecular cluster and social network analysis: A systematic review. *AIDS and Behavior*. doi: <https://doi.org/10.1007/s10461-021-03525-0>.
43. **Fujimoto, K.**, Wang, P., Li, D. H., Kuhns, L. M., *Amith, M., & Schneider, J. A. (2020). Collective avoidance of social and health venues and HIV racial inequities: Network modeling of venue avoidance on venue affiliation, social networks, and HIV risk. [Special Issue: Modeling Social Dynamics]. *Health Education & Behavior*, 47(2), 202–212.
44. Lu, T., **Fujimoto, K.**, *Amith, M., Cunningham, R., Costantini, R. A., York, F., Xiong, G., Boom, J. A., & Tao, C. (2020). Going down the rabbit hole? An exploration of network exposure to vaccine misinformation on YouTube. *Journal of Medical Internet Research*. doi:10.2196/preprints.23262.
45. *Amith, M., **Fujimoto, K.**, Mauldin, R., & Tao, C. (2020). Friend of a Friend with Benefits ontology (FOAF+): Extending a social network ontology for public health. *BMC Medical Informatics and Decision Making*, 20(10), 1–14.
46. Buzi, R. S., Madanay, F. L., & **Fujimoto, K.** (2020) Sexual and social networks, venue attendance, and HIV risk among young men who have sex with men. *AIDS Care*, 33(5), 639–644.
47. Mauldin, R., Wong, C., Fernandez, J., & **Fujimoto, K.** (2020). Network modeling of assisted living facility residents’ attendance at programmed group activities: Proximity and social contextual correlates of attendance. *The Gerontologist*. doi:10.1093/geront/gnaa149.
48. *Singh, T., Roberts, K. E., Cohen, T., Cobb, N. K., Wang, J., **Fujimoto, K.**, Myneni, S. (2020). Social Media as a Research Tool (SMaaRT) for Risky Behavior Analytics: A Methodological Review. *JMIR Public Health and Surveillance*, 6(4), e21660.
49. Hotton, A. L., Chen, Y. T., Schumm, P., Khanna, A. S., Brewer, R., Skaathun, B., Issema, R. S., Ramani, S., Ramachandran, A., Ozik, J., **Fujimoto, K.**, Harawa, N., Schneider, J. A. (2020).

Sociostructural and neighborhood predictors of incident criminal justice involvement in a population-based cohort of young Black MSM and transgender women. *Journal of Urban Health*, 1–12.

50. *Mitchell, K. R., Brassil, K. J., Rodriguez, S., *Tsai, E., **Fujimoto, K.**, Krause, K. J., Shay, L. A., & Springer, A. E. (2020). Operationalizing patient-centered cancer care: A systematic review and synthesis of the qualitative literature on cancer patients' needs, values, and preferences." *Psycho-Oncology*, 29(11), 1723–1733.
51. *Mitchell, K. R., Brassil, K. J., **Fujimoto, K.**, Fellman, B. M., & Springer, A. E. (2020). Exploratory factor analysis of a patient-centered cancer care measure to support improved assessment of patients' experiences. *Value in Health: The Journal of the International Society for Pharmacoeconomics and Outcomes Research*, 23(3), 351–361.
52. **Fujimoto, K.**, Wang, P., Flash, C. A. Kuhns, L. M., *Zhao, Y., *Amith, M. F., & Schneider, J. A. (2019). Network modeling of PrEP uptake on referral networks and health venue utilization among young men who have sex with men. *AIDS & Behavior*, 23(7), 1698–1707. PMID: 30430341.
53. *Xiang, Y., **Fujimoto, K.**, Schneider, J. A., *Jia, Y., Zhi, D., & Tao, C. (2019). Network context matters: Graph convolutional network model over social networks improves the detection of unknown HIV infections among young men who have sex with men. *Journal of the American Medical Informatics Association (JAMIA)*, 26(11), 1263–1271.
54. *Young, L. E., **Fujimoto, K.**, & Schneider, J. A. (2019). Facebook group affiliation ties, group topics, and HIV behavioral characteristics among young Black men who have sex with men: Potential for public health intervention. *Social Science & Medicine Population Health*, 9. doi: 10.1016/j.ssmph.2019.100510.
55. *Young, L. E., **Fujimoto, K.**, Alon, L., Zhang, L., & Schneider, J. A. (2019). The multiplex social environments of young Black men who have sex with men: How online and offline social structures impact HIV prevention engagement. [Special Issue: Networks and Health]. *Journal of Social Structure*, 20(3), 70–95.
56. *Imahashi, M., **Fujimoto, K.**, Kuhns, L. M., *Amith, M., & Schneider, J. A. (2019). Network overlap and knowledge of partner's HIV status among young men who have sex with men. *AIDS Care*, 31(12), 1533–1539. doi: 10.1080/09540121.2019.1601672. PMID: 30935221.
57. *Medhekar, R., **Fujimoto, K.**, Aparasu, R., Bhatara, V., Johnson, M.L., Alonzo, J. P., Schwarzwald, H. L., & Chen, H. (2019). Physician care coordination and the use of psychotropic polypharmacy in the management of pediatric mental disorders. *Journal of Managed Care and Specialty Pharmacy*, 25(1), 29–38. doi: 10.18553/jmcp.2019.25.1.029.
58. *Amith, M., **Fujimoto, K.**, & Tao, C. (2019). NET-EXPO: A Gephi plugin towards social network analysis of network exposure for unipartite and bipartite graphs. Human-Computer Interaction International (HCII) Conference 2019. Springer Nature Switzerland AG. C. Stephanidis (Ed.): HCII

2019, Communications in Computer and Information Science (CCIS) (*Conference Proceedings*), 1034, pp. 1–10, 2019.doi.org/10.1007/978-3-030-23525-3_1.

59. Khanna, A., Schneider, J. A., Collier, N., Ozik, J., Issema, R., *Di Paola, A., Skwara, A., Ramachandran, A., Webb, J., Brewer, R., Cunningham, W., Hilliard, C., Ramani, S., **Fujimoto, K.**, Harawa, N. (2019). A modeling framework to inform PrEP initiation and retention scale-up in the context of Getting to Zero Initiatives. *AIDS*, 33(12), 1911–1922. doi: 10.1097/QAD.0000000000002290. PMID: 31274533.
60. *Kanamori, M. N., De La Rosa, M., Shrader, C.-H., Muncayo, C., Doblecki-Lewis, S., Prado, G., Safren, S., Trepka, M.J., **Fujimoto, K.** (2019). Progreso en Salud: Findings from two adapted social network HIV risk reduction interventions for Latina seasonal workers. *International Journal of Environmental Research and Public Health*, 16(22), 4530. PMID: 31731821. PMCID: PMC6888294.
61. **Fujimoto, K.**, Snijders, T. A. B., & Valente, T. W. (2018). Multivariate dynamics of one-mode and two-mode networks: Explaining similarity in sports participation among friends. *Network Science (Cambridge University Press)*, 6(3), 370–395. doi:10.1017/nws.2018.11.
62. †**Fujimoto, K.**, †*Cao, M., Kuhns, L. M., *Li, D. H., & Schneider, J. A. (2018). Statistical adjustment of network degree in respondent-driven sampling estimators: Venue attendance as a proxy for network size among young men who have sex with men. *Social Networks*, 54, 118–131. NIHMSID 937984. PMID: 29910531.
63. **Fujimoto, K.**, Flash, C. A., Kuhns, L. M., *Kim, J-Y., & Schneider, J. A. (2018). Social networks as drivers of syphilis and HIV infection among young black men who have sex with men. *Sexually Transmitted Infections*, 94(5), 365–371. doi:10.1136/sextrans-2017-053288. PMID: 29440465.
64. **Fujimoto, K.**, Fujiyama, H., *Li, D. H., & Schneider, J. A. (2018). Multiplex competition-referral networks of social venues and of health organizations for young men who have sex with men. [Special issue: Recent Developments in Social Network Analysis]. *Sociological Theory and Methods (Riron to Hōhō): Official Journal of the Japanese Association for Mathematical Sociology*, 33(1), 63–78.
65. *Young, L. E., **Fujimoto, K.**, & Schneider, J. A. (2018). HIV prevention and sex behaviors as organizing mechanisms in a Facebook group affiliation network among young Black men who have sex with men. *AIDS & Behavior*, 22(10), 3324–333.
66. Nyitray, A.G., **Fujimoto, K.**, *Zhao, J., Giuliano, A.R., Schneider, J.A., & Hwang, Lu-Yu. (2018). Prevalence of and risk factors for anal HPV among a sample of predominantly Black men who have sex with men in Houston, Texas. *Journal of Infectious Disease*, 217(5), 777–784. PMCID: PMC5853382.
67. Fujiyama, H., & **Fujimoto, K.** (2018). Stochastic actor-oriented models for multiplex conversation advice network dynamics based on the self-determination theory. [Special issue: Recent Developments in Social Network Analysis]. *Sociological Theory and Methods (Riron to Hōhō): Official Journal of the Japanese Association for Mathematical Sociology*, 33(1), 79–92.

68. *Cao, M., Chen, Y., **Fujimoto, K.**, & Schweinberger, M. (2018). A two-stage working model strategy for network analysis under Hierarchical Exponential Random Graph Models. *IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM) (Conference Proceedings)*. 978-1-5386-6051-5/18/\$31.00.
69. Kandula, N. R., Cooper, A. J., Schneider, J. A., **Fujimoto, K.**, Kanaya, A. M., Van Horn, L., & Siddique, J. (2018). Personal social networks and organizational affiliation of South Asians in the United States. *BMC Public Health*, *18*(1), 218. doi: 10.1186/s12889-018-5128-z.
70. Lancki, N., Siddique, J., Schneider, J. A., Kanaya, A. M., **Fujimoto, K.**, Dave, S. S., Puri-Tanejaa, A., Kandulaa, N. R. (2018). Social network body size is associated with body size norms of South Asian adults. *Obesity Medicine*, *11*, 25–30.
71. Harawa, N., Brewer, R., Buckman, V., Ramani, S., Khanna, A., **Fujimoto, K.**, Schneider, J.A. (2018). HIV, sexually transmitted infection, and substance use continuum of care interventions among criminal justice-involved Black men who have sex with men: A systematic review. *American Journal of Public Health*, *108*(S4), e1–e9. doi:10.2105/AJPH.2018.304698.
72. *Chen, Y.-T., Kolak, M., Duncan, D. T., Schumm, P., Michaels, S., **Fujimoto, K.**, Schneider, J. A. (2018). Neighbourhoods, networks and pre-exposure prophylaxis awareness: A multilevel analysis of a sample of young black men who have sex with men. *Sexually Transmitted Infections*, *95*(3), 228–235. doi: 10.1136/sextrans-2018-053639.
73. **Fujimoto, K.**, Coghill, L. M., Weier, C., Hwang, L-Y, *Kim, J-Y., Schneider, J.A., Metzker, M. L., & Brown, J. M. (2017). Short communication: Lack of support for socially connected HIV-1 transmission among young adult Black MSM. *AIDS Research and Human Retroviruses*, *33*(9), 35–940. doi:10.1089/AID.2016.0228. PMID 28398775.
74. **Fujimoto, K.**, Turner, R., Kuhns, L. M., *Kim, J-Y., *Zhao, J., & Schneider, J. A. (2017). Network centrality and geographical concentration of social and service venues that serve young men who have sex with men. *AIDS & Behavior*, *21*(12), 3578–3589. doi: 10.1007/s10461-017-1711-z. NIHMSID 854084. PMID 28220310.
75. **Fujimoto, K.**, Snijders, T. A. B., & Valente, T. W. (2017). Popularity breeds contempt: The evolution of diffusion of reputational dislike relations and friendships in high school. *Social Networks*, *48*, 100–109. doi:10.1016/j.socnet.2016.07.006. NIHMSID 809626. PMCID: PMC5268737.
76. **Fujimoto, K.**, Wang, P., Kuhns, L. M., Ross, M. W., Williams, M. L., Garofalo, R., Klovdahl, A. S., Laumann, E. O., & Schneider, J. A. (2017). Multiplex competition, collaboration, and funding networks among social and health organizations: Towards organization-based HIV interventions for young men who have sex with men. *Medical Care*, *55*(2), 102–110. doi: 10.1097/MLR.0000000000000595. NIHMSID 793016. PMCID: PMC5233557.

77. Myneni, S., **Fujimoto, K.**, & Cohen, T. (2017). Leveraging social media for health promotion and behavior change: Methods of analysis and opportunities for intervention. In *Cognitive Informatics in Health and Biomedicine: Understanding and Modeling Health Behaviors*. Patel, V. L., Arocha, J. F., & Ancker, J. S. (Eds.). pp. 315–345. Springer.
78. Upadhyay, N., *Medhekar, R. A., **Fujimoto, K.**, Aparasu, R. R., Bhatara, V., Johnson, M. L., ... & Chen, H. (2017). 1.36 Physician peer-influence on prescribing psychotropic polypharmacy in the treatment of children and adolescents with mental disorders. *Journal of the American Academy of Child & Adolescent Psychiatry*, *56*(10), S164.
79. Kuhns, L. M., Hotton, A. L., Schneider, J. A., Garofalo, R., & **Fujimoto, K.** (2017). Use of preexposure prophylaxis (PrEP) in young men who have sex with men is associated with race, sexual risk behavior and peer network size. *AIDS & Behavior*, *21*(5), 1376–1382. doi: 10.1007/s10461-017-1739-0.
80. **Fujimoto, K.**, *Kim, J-Y., Ross, M. W., & Williams, M. L. (2016). Multiplex crack smoking and sexual networks: Associations between network members' incarceration and HIV risks among high-risk MSM. *Journal of Behavioral Medicine*, *39*(5), 845–854. doi: 10.1007/s10865-016-9754-6. PMCID: PMC5014586.
81. *Hayashi, H. D., Patterson, T. L., Semple, S. J., **Fujimoto, K.**, & Stockman, J. K. (2016). Risk factors for recent intimate partner violence among methamphetamine-using men and women. *Journal of Psychoactive Drugs*, *48*(2), 1–11. doi: 10.1080/02791072.2016.1170249. PMCID: PMC4882313.
82. **Fujimoto, K.**, Wang, P., Ross, M. W., & Williams, M. L. (2015). Venue-mediated weak ties in multiplex HIV risk transmission networks among drug-using male sex workers and associates. *American Journal of Public Health*, *105*(6), 1128–35. doi: 10.2105/AJPH.2014.302474. PMCID: PMC4431095.
83. **Fujimoto, K.** & Williams, M. L. (2015). Racial/ethnic differences in sexual network mixing: A loglinear analysis of HIV status by partnership and sexual behavior among most at-risk MSM. *AIDS & Behavior*, *19*(6): 996–1004. doi: 10.1007/s10461-014-0842-8. PMCID: PMC4312750.
84. **Fujimoto, K.** & Valente, T. W. (2015). Multiplex congruity: Friendship networks and perceived popularity as correlates of adolescent alcohol use [Special issue]. *Social Science & Medicine*, *125*, 173–181. doi: 10.1016/j.socscimed.2014.05.023. PMCID: PMC4242802.
85. *Myneni, S., **Fujimoto, K.**, Cobbs, N. K., & Cohen, T. (2015). Content-driven analysis of online community for smoking cessation: Integration of qualitative techniques, automated text analysis, and affiliation networks. *American Journal of Public Health*, *105*(6):1206–1212. doi: 10.2105/AJPH.2014.302464. PMCID: PMC4431114.
86. Valente, T. W., *Dyal, S. R., Chu, K-H., Wipfli, H., & **Fujimoto, K.** (2015). Diffusion of innovations theory applied to Global Tobacco Control Treaty ratification. *Social Science & Medicine*, *145*, 89–97.

doi: 10.1016/j.socscimed.2015.10.001. PMCID: PMC4630093.

87. **Fujimoto, K.**, Williams, M. L., & Ross, M. W. (2014). A network analysis of relationship dynamics in sexual dyads as correlates of HIV risk misperceptions among high-risk MSM. *Sexually Transmitted Infections*, *91*(2), 130–134. doi: 10.1136/sextrans-2014-051742. PMCID: PMC4336571.
88. *Huang, G. C., Soto, D., **Fujimoto, K.**, & Valente, T. W. (2014). The interplay of friendship networks and social networking sites: Longitudinal analysis of selection and influence effects on adolescent smoking and alcohol use. *American Journal of Public Health*, *104*(8), e51–e59. doi: 10.2105/AJPH.2014.302038. PMCID: PMC4103209.
89. *Huang, G. C., Unger, J. B., Soto, D., **Fujimoto, K.**, Pentz, M. A., Jordan-Marsh, M., & Valente, T. W. (2014). Peer influences: The impact of online and offline friendship networks on adolescent smoking and alcohol use. *Journal of Adolescent Health*, *54*(5), 508–514. doi: 10.1016/j.jadohealth.2013.07.001. PMCID: PMC 4694047.
90. **Fujimoto, K.**, Wang, P., & Valente, T. W. (2013). The decomposed affiliation exposure model: A network approach to segregating peer influences from crowds and organized sports. *Network Science (Cambridge University Press)*, *1*(2), 154–169. doi: 10.1017/nws.2013.7. PMCID: PMC3859688.
91. **Fujimoto, K.**, Williams, M. L., & Ross, M. W. (2013). Venue-based affiliation network and HIV risktaking behavior among male sex workers. *Sexually Transmitted Diseases*, *40*(6), 453–458. doi: 10.1097/OLQ.0b013e31829186e5. PMCID: PMC3675278.
92. **Fujimoto, K.**, & Valente, T. W. (2013). Alcohol peer influence from participating in organized school activities among U.S. adolescents: A network approach. *Health Psychology*, *32*(10), 1084–1092. doi: 10.1037/a0029466. PMCID: PMC3971990.
93. **Fujimoto, K.** (2013). Organizational linkages in Japan's female labor market: Information exchanged in networks. *Journal of Sociology*, doi: 10.1177/1440783313487810.
94. Valente, T. W., **Fujimoto, K.**, Unger, J. B., Soto, D., & Meeker, D. (2013). Variations in network boundary and type: A study of adolescent peer influences. *Social Networks*, *35*(3), 309–316. doi:10.1016/j.socnet.2013.02.008.
95. Valente, T. W., **Fujimoto, K.**, Soto, D., Ritt-Olson, A., & Unger, J. B. (2013). A comparison of peer influence measures as predictors of smoking among predominately Hispanic/Latino high school adolescents. *Journal of Adolescent Health*, *52*(3), 358–364. doi: 10.1016/j.jadohealth.2012.06.014. PMCID: PMC3580024.
96. **Fujimoto, K.**, & Valente, T. W. (2012). Decomposing the components of friendship and friends' influence on adolescent drinking and smoking. *Journal of Adolescent Health*, *51*(2), 136–143. doi: 10.1016/j.jadohealth.2011.11.013. PMCID: PMC3404406.

97. **Fujimoto, K.**, & Valente, T. W. (2012). Social network influences on adolescent substance use: Disentangling structural equivalence from cohesion. *Social Science & Medicine*, *74*(12), 1952–1960. doi: 10.1016/j.socscimed.2012.02.009. PMID: PMC3354645.
98. **Fujimoto, K.**, Unger, J. B., & Valente, T. W. (2012). A network method of measuring affiliation-based peer influence: Assessing the influences on teammates' smokers on adolescent smoking. *Child Development*, *83*(2), 442–451. doi: 10.1111/j.1467-8624.2011.01729.x. PMID: PMC3305834.
99. **Fujimoto, K.** (2012). Using mixed-mode networks to disentangle multiple sources of social influence. *Lecture Notes in Computer Science (LCNS)*, *7227*, 214–221. S. J. Yang, A. M. Greenberg, and M. Endsley (Eds.). International Conference on Social Computing, Behavioral-Cultural Modeling, & Prediction (SBP12) (*Conference Proceedings*).
100. **Fujimoto, K.**, Chou, C. P., & Valente, T. W. (2011). The network autocorrelation model using two mode data: Affiliation exposure and potential bias in the autocorrelation parameter. *Social Networks*, *33*(3), 231–243. doi: 10.1016/j.socnet.2011.06.001. PMID: PMC3167212.
101. **Fujimoto, K.** (2010). The organizational practice of gendered employment: Disparate impact and gender segregation in the Japanese labor market. *Sociological Focus*, *43*(2), 88–108. doi: 10.1080/00380237.2010.10571370.
102. Valente, T. W., & **Fujimoto, K.** (2010). Bridges: Locating critical connectors in a network. *Social Networks*, *32*(3), 212–220. doi: 10.1016/j.socnet.2010.03.003. PMID: PMC2889704.
103. Wipfli, H., **Fujimoto, K.**, & Valente, T. W. (2010). Global tobacco control diffusion: The case of the Framework Convention on Tobacco Control [Special issue]. *American Journal of Public Health*, *100*(7), 1260–1266. doi: 10.2105/AJPH.2009.167833. PMID: PMC2882412.
104. Valente, T. W., **Fujimoto, K.**, Palmer, P., & Tanjasiri, S. P. (2010). A network assessment of community-based participatory action: Linking communities and universities to reduce cancer disparities [Special issue]. *American Journal of Public Health*, *100*(7), 1319–1325. doi: 10.2105/AJPH.2009.171116. PMID: PMC2882399.
105. **Fujimoto, K.**, Valente, T. W., & Pentz, M. A. (2009). Network structural influences on the adoption of evidence-based prevention in communities. *Journal of Community Psychology*, *37*(7), 830–845. doi: 10.1002/jcop.20333. PMID: PMC5584875.
106. Valente, T. W., **Fujimoto, K.**, Chou, C. P., & Spruijt-Metz, D. (2009). Adolescent affiliations and adiposity: A social network analysis of friendships and obesity. *Journal of Adolescent Health*, *45*(2), 202–204. doi: 10.1016/j.jadohealth.2009.01.007. PMID: PMC2747768.
107. **Fujimoto, K.** (2007). The framework of the IRB system in the United States and its issues: Towards establishing a system of research participant protections in the protections in the Japanese social sciences (in Japanese). *Advanced Social Research (Sentan Shakai Kenkyu)*, *6*, 165–188.

108. Chung, A., Liou, D., Karlan, S., Waxman, A., **Fujimoto, K.**, Hagiike, M., & Phillips, E. H. (2006). Preoperative FDG-PET for axillary metastases in patients with breast cancer. *Archives of Surgery*, *141*(8), 783–789. doi:10.1001/archsurg.141.8.783.
109. **Fujimoto, K.** (2005). From women's college to work: Inter-organizational network in the Japanese female labor market. *Social Science Research*, *34*(4), 651–681. doi:10.1016/j.ssresearch.2004.11.001.
110. **Fujimoto, K.** (2004). Feminine capital: Forms of capital in the female labor market in Japan. *The Sociological Quarterly*, *45*(1), 91–111. doi: 10.1111/j.1533-8525.2004.tb02399.x.
111. Doreian, P., & **Fujimoto, K.** (2004). Identifying linking-pin organizations in inter-organizational networks. *Computational & Mathematical Organization Theory*, *10*(1), 45–68. doi:10.1023/B:CMOT.0000032579.62046.0b.
112. Doreian, P., & **Fujimoto, K.** (2002). Structures of Supreme Court voting. *Connections*, *25*(3).

Book Chapters

113. *Becker, E. R., Myneni, S., Shegog, R., **Fujimoto, K.**, Savas, L. S., Frost, E. L., Healy, C. M., Spinner, S., & Vernon, S. W. (2022). Parent engagement with a self-tailored cancer prevention digital behavior change intervention: Exploratory application of affiliation network analysis. *Studies in Health Technology and Informatics*, *290*, pp. 819–823.
114. †**Fujimoto, K.**, *Hallmark, C. J., Mauldin, R. L., *Kuo, J. C., Smith, C., *Del Vecchio, N., Kuhns, L. M., Schneider, J. A., & †Wang, P. (2021). Brokerage-centrality conjugates for multi-level organizational field networks: Toward a blockchain implementation to enhance coordination of healthcare delivery. (Eds.) Weber, M. S., & Yanovitzky, I. *Networks, Knowledge Brokers, and the Public Policymaking*. Springer International Publishing AG, Cham, pp. 265–314. doi: https://doi.org/10.1007/978-3-030-78755-4_11.

Conference Proceedings

115. *Manas, S., *Young, L. E., **Fujimoto, K.**, Franklin, A., & Myneni, S. (2019). Exploring the social structure of a health-related online community for tobacco cessation: A two-mode network approach. *Studies in Health Technology and Informatics*, *264*, (pp. 1268–1272).
116. **Fujimoto, K.** (2012). Using mixed-mode networks to disentangle multiple sources of social influence. *International Conference on Social Computing, Behavioral-Cultural Modeling, and Prediction. Lecture Notes in Computer Science book series (LNISA, 7227, pp. 214–221)*. Springer, Berlin, Heidelberg.

TEACHING

Courses taught

Spring 2017–2023 (online)	PH1324: Applied Discrete Data Analysis Using Stata Department of Health Promotion & Behavioral Sciences UTHealth School of Public Health, Houston, TX
Fall 2015–2023	PH1321L: Social Networks and Health (Co-teach, 50%) Department of Health Promotion & Behavioral Sciences Department of Epidemiology, Human Genetics, & Environmental Sciences UTHealth School of Public Health, Houston, TX
Spring 2013–2016	PH1830: Categorical Data Analysis Department of Biostatistics UTHealth School of Public Health, Houston, TX
Spring and Fall, 2000	STAT0200: Basic Applied Statistical Methods (Teaching Fellow) Department of Statistics University of Pittsburgh, Pittsburgh, PA

PROFESSIONAL SERVICE**GRANT REVIEW PANELS*****Standing Committee Member***

2019–2023

Population and Public Health Approaches to HIV/AIDS (PPAH) Study Section, NIH

Ad Hoc Committee Member

2014–2019

Modeling and Simulation to Optimize HIV Prevention Research, NIH

US – Russia Bilateral Collaborative Research Partnerships (CRP) on the Prevention and Treatment of HIV/AIDS and HIV-Associated Comorbidities, NIH

US – China Program for Collaborative Biomedical Research Section, NIH

Accelerating Improvements in the HIV Care Continuum Section, NIH

Systems Science and Health in the Behavioral and Social Sciences Section Modeling Social Behavior Section, NIH

Multidisciplinary Studies of HIV/AIDS and Aging Section, NIH

Behavioral and Social Science Approaches to Preventing HIV/AIDS Section, NIH

Behavioral and Social Consequences of HIV/AIDS Study Section, NIH

AIDS and AIDS Related Research Section, NIH

International

2016–2019

Medical Research Council, UK Research and Innovation (UKRI)
 The Netherlands Organisation of Health, Research and Development (ZonMw)
 Israeli Science Foundation

MENTORSHIP SERVICE***Co-mentor for Past NIH/NSF Career Development Awards***

NIH/DHHS K99HD094648-01A1 (PI: Lindsay, Y. E.) 08/18–07/21

Current position: Assistant professor (tenure track), University of Southern California

NIH/NIDA K99DA044277-01A1 (PI: Georges, K. E.) 05/18–04/20

Current position: Assistant professor (tenure track), University of Florida

NIH/NIDA 1K99 DA041494-01A1 (PI: Kanamori, M. N.) 07/16–05/18

Current position: Associate professor, University of Miami

NIH/NIAAA 1K01AA023849-01A1 (PI: Braitman, A. L.) 09/16–08/21

NIH/NIAAA F31AA024377 (PI: Krieger, H.) 09/15–08/18

NSF#1702643 (PI: Mauldin, R.) 05/17–04/18

Current position: Assistant professor (tenure track), University of Texas, Arlington

NIH/NIAID 1R01AI130460-01 Diversity supplement (PI: Amith, M. F.) 08/19–01/21

Current position: Assistant professor, University of Texas Health Science Center at Houston

Co-mentor for NLM Training Program in Biomedical Informatics & Data Science for Predoctoral and Postdoctoral Fellows 2022–present

INVITED PRESENTATIONS & GUEST LECTURES/PRESENTER

1. Presenter for “Applying social network analysis to HIV research: Exploring blockchain solutions.” (September, 2023). Workshop for the Center for Applied Network Analysis (CANA), University of Southern California.
2. Presenter for “Synthesizing network science, graph-based deep learning, and blockchain in data science for HIV research: Addressing health inequities and complex graph-structured data.” (2023, June). CFAR Symposium on Statistics and Data Science in HIV. Brown University, Providence Rhode Island.

3. Presenter for “Blockchain-based HIV testing management system” (2022, November). Texas Developmental Center for AIDS research (TX D-CFAR) Research Forum, 2022 NIH Supplement Award.
4. Guest lecturer for “Application of social network analysis to HIV/STI research” (2022, October). Behavioral Sciences Core, The Master of Public Health in Global Health (MPH) course. Tokyo Medical and Dental University (TMDU).
5. Presenter for “Applying social network analysis to HIV/STI research” (2022, June). HIV Research Group Meeting. Texas Developmental Center for AIDS research (TX D-CFAR).
6. Presenter for “Applied researches and methods” and Panelist (2019, November). The 31st Annual Dokkyo International Forum: Recent Trends in Social Network Analysis, Dokkyo University International Center, Dokkyo University, Saitama, Japan.
7. Presenter and Panelist for “The role of network analysis as a key method and theoretical approach for engaging in research on policymaking, knowledge/research evidence and health & youth outcomes” (2019, September). WTG (William T. Grant Foundation) Knowledge Networks and the Public Policymaking Process Workshop, University of Minnesota, Minneapolis, MN.
8. Panelist for “Sustaining a career in SGM health research” (2019, May). Regional Workshop on Sexual and Gender Minority (SGM) Health Research, hosted by NIH/Sexual & Gender Minority Research Office (SGMRO) & Emory University, Atlanta, GA.
9. Discussant for “The use of modeling methods and knowledge gained from alcohol behavioral research to advance HIV prevention interventions” (2019, January). Conference for Alcohol Behavioral HIV Prevention Research: Mechanisms and Intervention Development, hosted by NIH/NIAAA & Syracuse University, Bethesda, MD.
10. Presenter, Application of network modeling approach to HIV research among young men who have sex with men (2018, October). Modeling Social Dynamics & Health Behavior Conference, hosted by Public Health Dynamics Laboratory Center for Social Dynamics & Community Health, BCHS, University of Pittsburgh, PA.
11. Lecturer, Social network analysis applied to HIV research (2018, September). Seminar Series Present by Department of Health Policy & Management, Florida International University, Miami, FL.
12. Lecturer, HIV and venue-based social networks (2017, November). UTMB Galveston AIDS Education Training Center (AETC) Lunch and Learn Lecture series, Center for Global Health Education, UTMB Health, Galveston, TX.
13. Lecturer, Social network analysis in HIV/AIDS research (2017, April). Graduate College of Social Work, University of Houston, Houston, TX.

14. Presenter, Multiplex network analysis applied to the study of Building Agent-based models of Racialized justice systems (BARS). (2016, January). Retreat hosted by UCLA, Los Angeles, CA.
15. Lecturer, Application of social network analysis to HIV/AIDS research. (2016, January). Center for HIV Identification, Prevention and Treatment Services (CHIPTS), Methods Core Seminar Series. UCLA, LA, CA.
16. Presenter, Application of social network analysis to HIV/AIDS research. (2016, January). AIDS Research Forum, Center for AIDS Research (CFAR) Baylor-UT, Houston, TX.
17. Presenter, Social network analysis in HIV/AIDS research. (2015, May). Retreat hosted by Global Security Sciences, Argonne National Laboratory, Argonne, IL.
18. Lecturer, Social networks and health. (2015, April). Seminar in the Center for Research on U.S. Latino HIV/AIDS and Drug Abuse (CRUSADA), Florida International University, Miami, FL.
19. Presenter, Social network analysis in HIV/STD research. (2015, April). Seminar in Sexuality, Science and Sandwiches, VA Houston Center for Quality of Care & Utilization Studies (HCQCUS), Department of Psychiatry & Behavioral Sciences, VA Medical Center, Houston, TX.
20. Presenter, Social network analysis in health behavioral research. (2015, March). Seminar in Pharmaceutical Health Outcomes and Policy, PHCA 6181–PHCA 7181–PHCA 8181, Department of Pharmaceutical Health Outcomes and Policy, University of Houston, Houston, TX.
21. Lecturer, Social network analysis in health behavioral research. (2014, September). IPHAM Seminar Series, Institute of Public Health & Medicine, Northwestern University, Chicago, IL.
22. Lecturer, Social network analysis in health behavioral research. (2013, December). Seminar hosted by Robert Stempel College of Public Health and Social Work (RSCPHSW), Florida International University, Miami, FL.
23. Presenter, Introduction to exponential random graph modeling and new network method of bridging. (2010, November). Department of Health Studies, University of Chicago, Chicago, IL.
24. Lecturer, Exponential random graph modeling and statistical model for network dynamics. (2009, May). NIH Office of Behavioral and Social Sciences Research and the CDC Syndemics Prevention Network, at School of Public Health, University of Michigan, Ann Arbor, MI.
25. Panelist for “The framework of the IRB system in the United States and its problems.” (2005, December). Kwansai Gakuen University, Hyogo, Japan.

OTHER SERVICE

- 2023 Organizing Committee Member, Student Travel Award Committee Member
Sunbelt 2023, International Network for Social Network Analysis, Portland, OR
- 2022, 2021 Blockchain Scientific Committee Member
An academic Track for the 5th Annual ConV2X (Converge to Accelerate) Health Tech
Symposium: Driving Telehealth & Technology, November, 2021.
- 2013 Program Committee Member
AAAI (Association for the Advancement of Artificial Intelligence) Fall Symposium
2013 on Social Networks and Social Contagion, Westin Arlington Gateway,
Arlington, VA
- 2013 Program Committee Member
International Conference on Social Computing, Behavioral-Cultural Modeling, &
Prediction (the SBP13 Conference), Washington, DC
- 2012 Doctoral Consortium Chair
International Conference on Social Intelligence and Technology (SOCIETY 13),
State College, PA

INTRAMURAL PROFESSIONAL SERVICE

Committee Member

- 2019–present UTHealth Research Conflict of Interest (RCOI) Committee Member
- 2020–2021 Chair, Faculty Search Committee
Department of Health Promotion & Behavioral Sciences
UTHealth School of Public Health
- 2018 Faculty Search Committee Member (Methodology)
Department of Health Promotion & Behavioral Sciences
UTHealth School of Public Health
- 2017–2019 Faculty Council Member
UTHealth School of Public Health
- 2015–2020 Curriculum Committee Member
Department of Health Promotion & Behavioral Sciences
UTHealth School of Public Health

COMMUNITY ENGAGEMENT ACTIVITIES

2020–2021 Community Advisory Board Member, Project PRIDE: Intervention to Reduce HIV risk in Young Sexual Minority Men (PI: Smith, N. G.; 1R21DA041250-01A1).