

**The Faculty of Medicine of Harvard University
Curriculum Vitae**

Date Prepared: 6/17/2024
Name: Aimee K. Huang, MD, MPH
Office Address: Massachusetts General Hospital, Mongan Institute, Health Policy Research Center,
 100 Cambridge St, Suite 1600, Boston, MA 02114
Work Phone: 617-710-8663
Work Email: akhuang@mgh.harvard.edu

Education:

2010-2017	MD	Doctor of Medicine	Charles University First Faculty of Medicine
2017-2018	MPH	Women's and Reproductive Health/Maternal and Child Health Concentration	John Hopkins Bloomberg School of Public Health

Postdoctoral Training:

2022-2024	Research Fellowship	NCI T32 Cancer Prevention and Control Fellow; Social and Behavioral Sciences (Karen Emmons & Lindsay Frazier, Directors)	Harvard T. H. Chan School of Public Health, Dana Farber Cancer Institute
2022-2024	Postdoctoral Fellowship	Postdoctoral Fellow; Population Medicine (Brittany Charlton, supervisor)	Harvard Medical School and Harvard Pilgrim Health Care Institute

Faculty Academic Appointments:

2024	Instructor of Investigation	Department of Medicine, Mongan Institute (Stephen Bartels, supervisor)	Massachusetts General Hospital
2024	Instructor (pending HMS approval)	Medicine (Stephen Bartels, supervisor)	Harvard Medical School (HMS)

Appointments at Hospitals/Affiliated Institutions:

2012-2013	Graduate Research Assistant	Department of Pediatric and Adolescent Medicine First Faculty of Medicine	Institute of Inherited Metabolic Disorders, Prague Charles University
2016-2017	Graduate Research Assistant	Department of Medicine	General University Hospital
2018-2019	Graduate Research Assistant	Department of Health, Behavior and Society	Johns Hopkins Bloomberg School of Public Health

2018-2020	Research Assistant	Department of Health, Behavior and Society	Johns Hopkins Bloomberg School of Public Health
2021-2022	Study Manager & Sr. Research Assistant	Department of Health, Behavior and Society	Johns Hopkins Bloomberg School of Public Health
2022- 2024-	Research affiliate Instructor of Investigation	Department of Medicine, Mongan Institute	Massachusetts General Hospital

Faculty Membership in Harvard Initiatives, Programs, Centers, and Institutes

2022-	Member	Harvard Sexual Orientation and Gender Identity and Expression (SOGIE) Health Equity Research Collaborative	Harvard T.H. Chan School of Public Health
2023-	Member	Harvard Implementation Science Working Group	Harvard T.H. Chan School of Public Health & Mass General Brigham (MGB)
2024-	Faculty	Health Policy Research Center, Mongan Institute	Massachusetts General Hospital (MGH) and Harvard Medical School (HMS)

Major Administrative Leadership Positions:

Local

2023	Course Developer and Co-Director, LGBTQ+ Reproductive Health Research Independent Study	Harvard T. H. Chan School of Public Health
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Regional

2017-2018	Co-President, Asia Pacific Public Health Network	John Hopkins Bloomberg School of Public Health
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International

2013-2017	Team leader, University Medical Society (MEDSOC) Official Charity and Volunteering	Charles University First Faculty of Medicine, Prague
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Committee Service:

Local

2023-	IRB Review Member	Fenway Institute
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Regional

2020-2022	Volunteer, COVID-19 efforts	Howard & Montgomery County, MD
2021	Volunteer, Mobile Vaccine Sites	John Hopkins University, D.C. Health Department & Baltimore City Health Department

- Graduate Research Assistant
 This QI project examined strategies for follow-up and monitoring of high-risk pregnant women with a focus on communication and collaboration, patient tracking, and provider's reports of provision of care for high-risk women among Fetal Maternal Medicine Specialists and Nurse Practitioner at MMC and community-based obstetricians and nurse midwives who deliver patients at MMC.
- 2018-2020 Promoting Empowerment and Risk Reduction (PEARL), PrEP intervention development for cisgender female sex workers
 NIH/NIDA R34DA045619-02 (PI: Sherman)
 Graduate Research Assistant
 To employ community-engaged formative research to inform the development of an intervention tailored for cisgender women who sell sex; to assess PEARL's acceptability, feasibility, and efficacy on PrEP uptake and adherence; to explore patterns and predictors of PrEP adherence.
- 2020-2021 Improving HIV PrEP Engagement among High-Risk Women in Baltimore (OPAL)
 NIH/ JHU-CFAR (PIs: Glick and Park)
 Sr. Research Assistant
 To collect formative data and develop a PrEP promotion intervention tailored to women who use drugs in Baltimore City.
- 2021-2022 Exploring HIV risk and social support among high-risk sexual minority women (HR-SMW)
 Center for AIDS Research, Johns Hopkins University (JHU CFAR) (PI: Glick)
 Study manager and Sr. Research Assistant
 To understand how sexual minority status and social relationships affect risk behaviors, contexts, and access to preventive and social resources among HR-SMW.
- 2022-2024 Harvard Education Program in Cancer Prevention Control
 NIH/NCI, 5T32CA057711(PIs: Emmons and Frazier)
 NCI T32 Research Fellow
 The joint Harvard T.H. Chan School of Public Health - Dana-Farber/Harvard Cancer Center Educational Program in Cancer Prevention aims to train the next generation of scientists who will be skilled in transdisciplinary approaches to cancer prevention and control.
- 2022-2024 Cancer disparities by sexual orientation, American Cancer Society, Mentored Research Scholar Grant MRSRG CPHPS 130006 (PI: Charlton)
 Postdoctoral Research Fellow
 The objective of this program is to gain a more nuanced understanding of sexual orientation-related cancer risk factors and behaviors across the lifespan using detailed, longitudinal data on biology, social factors, and healthcare use.
- 2023 Mapping the scientific literature on obstetrical and perinatal health among sexual and gender minoritized (SGM) childbearing people and their infants: a scoping review protocol
 Open Gate Foundation for LGBTQ+ Research Grant (Awardee: Huang)
 The goal of this scoping review is to comprehensively map the extent, range and nature of scientific literature on obstetrical and perinatal physical health outcomes among SGM populations and their infants. We aim to summarize findings from existing literature,

potentially informing clinical guidelines on perinatal care, as well as highlighting knowledge gaps and providing directions for future research.

Current

- 2022-2024 Sexual Orientation-Related Disparities in Obstetrical and Perinatal Health
NIH/NIMHD, R01MD015256 (PI: Charlton)
Postdoctoral Research Fellow
This project's objective is to address the knowledge gaps in sexual orientation-related obstetrical and perinatal health by collecting and analyzing national data from three unique, longitudinal, intergenerational cohorts.
- 2024- Improving service delivery models of medically assisted reproduction: A patient journey mapping study of sexual minority women
NIH/NIMHD, R01MD015256-05S1 (PI: Charlton)
Research Analyst and Consultant
The proposed study aims to elucidate the patient experience of fertility care among same-sex marriage in a same-sex couples and develop best practices for inclusive family formation data collection in the Nurses' Health Studies and Growing Up Today Study.
- 2024- Learning Health System Embedded Scientist Training and Research (LHS E-StaR) Centers: Massachusetts Institute for Equity-Focused Learning Health System Science (MIELHSS)
NIH, P30HS029762, (PI: Guise, Co-I: Bartels)
Instructor in Investigation/mentored research scholar
These scientist training and research centers will be funded over 5 years to support learning health systems, including patient-centered comparative clinical effectiveness research. Through this joint initiative, AHRQ and PCORI continue their mutual commitment to support learning health systems by training a new cadre of learning health system scientists. Grantees will create new models of learning health system infrastructure that will use evidence generated by these scientists' research to optimize care as quickly, broadly, and equitably as possible and ultimately improve health outcomes.
- 2024 Best Practices to Prevent COVID-19 in Staff and People with Serious Mental Illness and Developmental Disabilities in Congregate Living Settings.
PCORI; COVID-2020C2-10803 (PI: Bartels)
Instructor of Investigation/mentored research scholar
In this project we are evaluating the impact of implementing optimal COVID-19 preventive and management strategies employing a Type-2 Hybrid Effectiveness Implementation Cluster Randomized Trial Design.
- 2024- Effectiveness of Interventions to Improve Resiliency & Burnout in Behavioral Health Residential Staff
PCORI, (PI: Bartels)
Instructor of Investigation/mentored research scholar
This project will compare the effectiveness of two different system-level approaches to improving residential care worker well-being and resiliency to reduce burnout and staff turnover in group homes for adults with serious mental illness and intellectual and developmental disorders using a cluster hybrid effectiveness implementation research design.

2024- Fund of the Director’s Office, Mongan Institute (PI: Bartels)
 Instructor of Investigation/mentored research scholar
 This fund will support the training of Dr. Aimee Huang and her effort in writing manuscripts and research grants.

Unfunded Current Projects

2024- Prostate cancer screening patterns and behavior among sexual and gender minority people 2020-2022.
 The objective of this study is to understand how changes in care access and infrastructure due to COVID-19 pandemic driven deferred care impacted patterns of PSA screening utilization and behavior among sexual and gender minority populations.

2024- Trends in skin cancer risk factors among college-aged LGBTQ+ populations.
 This study aims to leverage sexual orientation and gender identity data from the NCHA survey to assess prevalence of skin cancer risk factors among college-aged students by sexual orientation and gender identity.

2024- Using NCHA for LGBTQ+ health disparities research.
 This project aims to create a guideline to leverage data from NCHA and conduct LGBTQ+ health disparities research.

Report of Local Teaching and Training

Teaching of Students in Courses:

2022	LGBTQ-focused standardized patient session Medical Students	Harvard Medical School Faculty facilitator
2022	Hot Topics in Cancer Epidemiology Public Health Students	Harvard T.H. Chan School of Public Health Guest lecturer
2023	Sex, Gender, and Health Public Health Students	Harvard T.H. Chan School of Public Health Guest lecturer
2023	Clinical Epidemiology and Population Health (CEPH) Medical Students Dental Students	HMS & Harvard School of Dental Medicine Faculty member 2-3 sessions/week for 4 weeks
2023	LGBTQ+ obstetric and perinatal health Medical Students PhD Students Master’s Students	Harvard T.H. Chan School of Public Health Course Director 4 hours a week for 2 terms

Research Supervisory and Training Responsibilities:

2021 Praise Olatunde, MSPH/ John Hopkins Bloomberg School of Public Health
 Career stage: MSPH Candidate
 Mentoring Role: supervised time-limited project regarding data collection, analysis, and manuscript preparation

2021-2022 Megan Nguyen, MSPH/ John Hopkins Bloomberg School of Public Health

- Career stage: MSPH Candidate
Mentoring Role: supervised time-limited project regarding data collection, analysis, and manuscript preparation
- 2023 Alison Schulte, SM/ Harvard T.H. Chan School of Public Health
Career stage: SM candidate
Mentoring Role: research and scholarly Mentoring Role: supervised time-limited project regarding data collection, analysis, and manuscript preparation
- 2023 Laura Chen, PhD/ Harvard T.H. Chan School of Public Health
Career stage: PhD candidate
Mentoring Role: supervised time-limited project regarding data collection, analysis, and manuscript preparation
- 2023 Mary-Frances Hall, MD, MPH/ UNC Chapel Hill School of Medicine and Harvard T.H. Chan School of Public Health
Career stage: MD/MPH candidate
Mentoring Role: supervised time-limited project regarding data collection, analysis, and manuscript preparation
- 2023 Claire McLaughlin, MD, MPH/ UNC Chapel Hill School of Medicine and Harvard T.H. Chan School of Public Health
Career stage: PhD candidate
Mentoring Role: supervised time-limited project regarding data collection, analysis, and manuscript preparation
- 2023 Sanjana Srinivasan, MD/ HMS
Career stage: MD candidate
Mentoring Role: supervised time-limited project regarding data collection, analysis, and manuscript preparation

Local Invited Presentations:

No presentations below were sponsored by 3rd parties/outside entities

- 2022 Cancer and SGM populations/Seminar
Harvard T.H. Chan School of Public Health
- 2022 Harvard SOGIE Reproductive Health Seminar Series/Co-Moderator
Harvard SOGIE Health Equity Research Collaborative, Virtual National Webinar
- 2023 Sexual orientation-related disparities and obstetrics and perinatal health/Seminar
Harvard Medical School/Harvard Pilgrim Health Care Institute, Division of Chronic Disease Research Across the Lifecourse

Report of Regional, National and International Invited Teaching and Presentations

No presentations below were sponsored by 3rd parties/outside entities

National

- 2023 **Huang AK**, Hoatson T, Chakraborty P, McKetta S, Soled KRS, Boehmer U, Reynolds C, Miranda A, Streed CG, Maingi S, Haneuse S, Kang JH, Austin SB, Eliassen AH, Charlton BM. Disparities in Cancer Incidence by Sexual Orientation.

- (Selected oral abstract)
 10th Annual Dana-Farber/Harvard Cancer Center Celebration of Early Career Investigators in Cancer Research Symposium, February 2023, Boston, MA.
- 2023 Cancer diagnosis among SGM populations/Seminar
 SGM Cancer Care monthly seminar, Virtual National Webinar
- 2023 Cancer disparities by sexual orientation/Seminar
 SGM Cancer Care Workshop, Virtual National Webinar
- 2023 Harvard SOGIE Reproductive Health Seminar Series
 Co-Moderation
- 2023 Harvard SOGIE Health Equity Research Collaborative, Virtual national webinar/Boston
 Chakraborty P, Reynolds CA, McKetta S, Soled K, **Huang AK**, Monseur B, Downing J, Obedin-Maliver J, Eliassen AH, Chavarro JE, Austin SB, Everett B, Haneuse S, Charlton BM. Sexual orientation-related disparities in fetal and neonatal outcomes. (Selected oral abstract)
- 2023 36th Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research (SPER), Portland, OR.
 Chakraborty P, Everett B, Hoatson T, Stuart JJ, Reynolds CA, McKetta S, Soled KRS, **Huang AK**, Chavarro JE, Eliassen AH, Obedin-Maliver J, Austin SB, Rich-Edwards J, Haneuse S, Charlton BM. Sexual orientation disparities in pregnancy-related morbidities. (Selected oral abstract)
- 2023 2023 Interdisciplinary Association for Population Health Science (IAPHS) Conference. Baltimore, MD. October 2023.
 Glick JL, Nguyen M, **Huang AK**, Alexander K, German D. Mental Health and the Role of Social Support in the Lives of Vulnerabilized Sexual Minority Women. (Selected oral abstract)
- National LGBTQ Health Conference August 2024, Atlanta, GA.

Report of Education of Patients and Service to the Community

Activities

- 2013-2017 Team leader of University Medical Society (MEDSOC) Official Charity and Volunteering, Charles University First Faculty of Medicine
- 2016-2017 END7 Campaign member, Center of Global Health, Institute of Social Medicine and Public Health, Charles University First Faculty of Medicine
- 2020-2022 Volunteer, COVID-19 transportation/logistics support, health communication and education for senior citizens, Howard County and Montgomery County, MD
- 2021 Volunteer, DC senior housing facility mobile vaccine clinics, Johns Hopkins University, D.C. Health Department, Washington D.C.
- 2021 Volunteer, Baltimore mobile vaccine clinics, Johns Hopkins University, D.C. Health Department, Washington D.C.
- 2021 Volunteer, Johns Hopkins vaccine clinics, Johns Hopkins Hospital, Baltimore, MD

Report of Scholarship

Peer-Reviewed Scholarship in print or other media:

Research Investigations

1. Lubanda JC, Chochola M, Mlček M, Neužil P, Marek J, Havránek Š, Kuchynková S, Fingrová Z, **Huang KA**, Linhart A. The effect of renal denervation in an experimental model of chronic renal insufficiency, The REmnant kidney Denervation In Pigs study (REDIP study). *J Transl Med.* 2017 Oct 25;15(1):215. doi: 10.1186/s12967-017-1319-0. PMID: 29070043; PMCID: PMC5657061.
2. Glick JL, **Huang A**, Russo R, Jivapong B, Ramasamy V, Rosman L, Pelaez D, Footer KHA, Sherman SG. ART uptake and adherence among women who use drugs globally: A scoping review. *Drug Alcohol Depend.* 2020 Oct 1;215:108218. doi: 10.1016/j.drugalcdep.2020.108218. Epub 2020 Aug 2. PMID: 32916450.
3. Glick JL, Russo RG, **Huang AK**, Jivapong B, Ramasamy V, Rosman LM, Pelaez DL, Sherman SG. ART uptake and adherence among female sex workers (FSW) globally: A scoping review. *Glob Public Health.* 2020 Dec 10:1-31. doi: 10.1080/17441692.2020.1858137. Epub ahead of print. PMID: 33301704.
4. **Huang AK**, Charlton BM, Mita C, et al. Mapping the scientific literature on obstetrical and perinatal health among sexual and gender minoritized (SGM) populations: a scoping review protocol. Published online 2023. doi:10.17605/OSF.IO/5DQV4
5. **Huang AK**, Soled KRS, Chen L, Schulte AR, Hall ME, McLaughlin C, Srinivasan S, Jahan AB, Mita C, Charlton BM. Mapping the scientific literature on obstetrical and perinatal health among sexual and gender minoritised (SGM) childbearing people and their infants: a scoping review protocol. *BMJ Open.* 2023 Nov 14;13(11):e075443. doi: 10.1136/bmjopen-2023-075443. PMID: 37963699; PMCID: PMC10649461.
6. McKetta S, Chakraborty P, Gimbrone C, Soled KRS, Hoatson T, Beccia AL, Reynolds CA, **Huang AK**, Charlton BM. Restrictive abortion legislation and adverse mental health during pregnancy and postpartum. *Ann Epidemiol.* 2024 Apr;92:47-54. doi: 10.1016/j.annepidem.2024.02.009. Epub 2024 Mar 1. PMID: 38432536; PMCID: PMC10983835.
7. **Huang AK**, Hoatson T, Chakraborty P, McKetta S, Soled KRS, Reynolds CA, Boehmer U, Miranda AR, Streed CG Jr, Maingi S, Haneuse S, Young JG, Kang JH, Austin SB, Eliassen AH, Charlton BM. Disparities in cancer incidence by sexual orientation. *Cancer.* 2024 May 11. doi: 10.1002/cncr.35356. Epub ahead of print. PMID: 38733613.
8. **Huang AK**, Nguyen M, German D, Alexander K, Charlton BM, Glick JL. Health Care Utilization and Care-seeking Behavior Among Vulnerabilized Sexual Minority Women: A Social-ecological Approach. *J Health Care Poor Underserved.* 2024;35(2):583-604. PMID: 38828583.
9. Soled KRS, Hoatson T, Monseur B, Everett B, Chakraborty P, Reynolds CA, **Huang AK**, McKetta S, Haneuse S, Charlton BM. Differences in medically assisted reproduction use by sexual identity and partnership: a prospective cohort of cisgender women. *Hum Reprod.* 2024 Jun 3;39(6):1323-1335. doi: 10.1093/humrep/deae077. PMID: 38689464.
10. Chakraborty P, Everett BG, Reynolds CA, Hoatson T, Stuart JJ, McKetta SC, Soled KRS, **Huang AK**, Chavarro JE, Eliassen AH, Obedin-Maliver J, Austin SB, Rich-Edwards JW, Haneuse S, Charlton BM. Sexual orientation disparities in gestational diabetes and hypertensive disorders of pregnancy. *Paediatric and Perinatal Epidemiology.* (In Press)

Scholarship without named authorship

1. Heller S, Lubanda JC, Varejka P, Chochola M, Prochazka P, Rucka D, Kuchynkova S, Horakova J, Linhart A. Percutaneous Mechanical Thrombectomy Using Rotarex® S Device in Acute Limb Ischemia in Infrainguinal Occlusions. *Biomed Res Int.* 2017;2017:2362769. doi: 10.1155/2017/2362769. Epub 2017 May 7. PMID: 28555191; PMCID: PMC5438831. – **Acknowledged for significant contribution as research assistant**

Abstracts, Poster Presentations, and Exhibits Presented at Professional Meetings:

1. **Huang AK**, Hoatson T, Chakraborty P, McKetta S, Soled KRS, Boehmer U, Reynolds C, Miranda A, Streed CG, Maingi S, Haneuse S, Kang JH, Austin SB, Eliassen AH, Charlton BM. Disparities in Cancer Incidence by Sexual Orientation. 10th Annual Dana-Farber/Harvard Cancer Center Celebration of Early Career Investigators in Cancer Research Symposium, February 2023, Boston, MA.
2. McKetta S, Austin B, Chakraborty P, Eliassen H, Everett B, Haneuse S, **Huang A**, Reynolds C, Soled K, Stroumsa D, Charlton B. Disparities in Caesarean delivery by Sexual Orientation. Population Association of America Annual Meeting, April 2023, New Orleans, LA.
3. **Huang AK**, Hoatson T, Chakraborty P, McKetta S, Soled KRS, Boehmer U, Reynolds CA, Miranda A, Streed CG, Maingi S, Haneuse S, Kang JH, Austin SB, Eliassen AH, Charlton BM. Disparities in Cancer Incidence by Sexual Orientation. 4th NCI Symposium on Cancer Health Disparities, April 2023, Bethesda, MD.
4. **Huang AK**, Hoatson T, Chakraborty P, McKetta S, Soled KRS, Boehmer U, Reynolds CA, Miranda A, Streed CG, Maingi S, Haneuse S, Kang JH, Austin SB, Eliassen AH, Charlton BM. Disparities in Cancer Incidence by Sexual Orientation. Society for Epidemiologic Research 2023 Annual Meeting. Portland, OR. June 2023.
5. Soled, KRS, Hoatson, T, Monseur B, Everett, B, Chakraborty, P, Reynolds, CA, **Huang, AK**, McKetta, S, Haneuse S, Charlton BM. Differences in Assisted Reproductive Technology Use among Cisgender Women with Same-Sex versus Different-Sex Partners: Findings from a Prospective Cohort across the U.S. 36th Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research (SPER). Portland, OR. June 2023.
6. Soled KRS, Hoatson T, Montseur B, Haneuse S, Austin SB, Chavarro J, Everett B, Reynolds CA, McKetta S, Chakraborty P, **Huang AK**, Charlton BM. Sexual orientation-related disparities in fetal and neonatal outcomes. Society for Epidemiologic Research 2023 Annual Meeting. Portland, OR. June 2023.
7. Chakraborty P, Reynolds CA, McKetta S, Soled K, **Huang AK**, Monseur B, Downing J, Obedin-Maliver J, Eliassen AH, Chavarro JE, Austin SB, Everett B, Haneuse S, Charlton BM. Sexual orientation-related disparities in fetal and neonatal outcomes. Society for Epidemiologic Research 2023 Annual Meeting. Portland, OR. June 2023.
8. Chakraborty P, Reynolds CA, McKetta S, Soled K, **Huang AK**, Monseur B, Downing J, Obedin-Maliver J, Eliassen AH, Chavarro JE, Austin SB, Everett B, Haneuse S, Charlton BM. Sexual orientation-related disparities in fetal and neonatal outcomes. 36th Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research (SPER). Portland, OR. June 2023.
9. Chakraborty P, Everett B, Hoatson T, Stuart JJ, Reynolds CA, McKetta S, Soled KRS, **Huang AK**, Chavarro JE, Eliassen AH, Obedin-Maliver J, Austin SB, Rich-Edwards J, Haneuse S, Charlton

- BM. Sexual orientation disparities in pregnancy-related morbidities. 2023 Interdisciplinary Association for Population Health Science (IAPHS) Conference. Baltimore, MD. October 2023.
10. Chakraborty P, McKetta S, Reynolds CA, Smith MH, Moseson H, Beccia A, Soled KRS, Hoatson T, **Huang AK**, Eliassen AH, Haneuse S, Charlton BM. Differences in abortion utilization by sexual orientation in three national cohorts. 2023 Society of Family Planning Annual Meeting. Seattle, WA. October 2023.
 11. **Huang AK**, Miranda AR, Reynolds CA, Stopsack KH, Charlton BM, Mucci L. Prostate cancer screening patterns and behavior among sexual and gender minority people 2020–2022. 11th Annual Dana-Farber/Harvard Cancer Center Celebration of Early Career Investigators in Cancer Research Symposium, January 2024, Boston, MA.

Narrative Report

Area of Excellence: Investigation

I am a health disparities and health equity researcher committed to documenting and quantifying disparities, understanding the multi-level forces that contribute to them, and developing intervention and implementation strategies to achieve health equity.

My long-standing interest in advancing health equity through evidence-based research began during my medical training, where I contributed to a handbook on culturally sensitive care for migrants and other vulnerable populations. As a Master of Public Health Candidate at Johns Hopkins, I worked on a quality improvement project identifying gaps in service provision and health communication, which informed strategies to reduce adverse birth outcomes in the Baltimore area.

During my post-doctoral training at the Harvard Chan School and Harvard Medical School, I focused on disparities in chronic debilitating diseases among minoritized populations using a mixed-methods approach. I employed quantitative methods to document existing health disparities and qualitative methods to explore health behaviors and factors influencing these disparities. Using data from large, longitudinal cohorts, I led a project that quantified sexual orientation-related cancer disparities and found that lesbian women were disproportionately burdened by cancer. This work, published in *Cancer*, has important implications for data collection infrastructure and informs potential changes in medical practices and health care policies. I have also conducted other investigations using population-based data to evaluate prostate cancer screening behaviors and skin cancer risk factors by sexual orientation and gender identity.

For my qualitative work, I published a first-author study in the *Journal of Health Care for the Poor and Underserved* examining how multi-level vulnerabilities uniquely influence health service utilization and care access among vulnerabilized sexual minoritized women. Additionally, I have also contributed to multiple systematic scoping reviews and original investigations using mixed-methods approach. Beyond these publications, I have led a first-author protocol (published in November 2023), a first-author systematic scoping review (under review) and collaborated on a wide array of projects documenting health disparities in mental health, pregnancy outcomes, HIV/AIDS, cancer, cardiovascular health, and policy-level interventions.

As an early career researcher, I have conducted or collaborated on more than twenty research projects, resulting in ten publications, four manuscripts under review, and eight in progress. My work has been

selected for poster and oral presentations at regional and national levels, including at the NIH/NCI's national Symposium on Cancer Health Disparities and Dana Farber's Early Career Investigator Symposium. I was also part of the inaugural class of a national training program for sexual and gender minority cancer researchers and received awards from the Zhu Family Center for Cancer Prevention and the Open Gates Foundation to support my scholarship.

My research spans various vulnerabilized populations, including sexual and gender minoritized populations, undomiciled populations, and those who sell sex or use drugs; across different disorders, age groups, race/ethnicity, and socioeconomic strata. Despite the breadth of my interests, my work consistently focuses on documenting health disparities among vulnerable, minoritized populations and finding evidence-based solutions to close these gaps.

In the next phase of my career, I have joined the Mongan Institute at Massachusetts General Hospital as an Instructor of Investigation to broaden the scope of my health equity work. In this position, I will pivot my focus to developing and implementing evidence-based clinical interventions to address the disparities identified in formative research. Specifically, I will be leading sub-projects on two large, PCORI-funded studies: one focusing on agile health care delivery in a rapidly changing world and the other comparing two different system-level interventions to prevent burnout in ethnically diverse frontline providers in residential care facilities.

During my tenure as an Instructor of Investigation at the Mongan Institute, I also plan to leverage my prior training and research skills to apply for grants to support my career development, expand my expertise in health equity research, and further my scholarship in this field.

Teaching and Institutional Service

Over the past few years, I have had the opportunity to teach multiple graduate-level courses. My teaching roles have included co-directing an independent study for PhD, MPH, and MD students at the Harvard Chan School. Additionally, I have taught clinical epidemiology and population health at Harvard Medical School and served as a faculty facilitator for LGBTQ+ patient encounters, ensuring that medical students are well-prepared to provide inclusive and sensitive care. Beyond these formal teaching roles, I have frequently been invited as a guest lecturer in various courses on topical health areas at the Harvard Chan School. I have also taken on informal teaching and mentoring responsibilities, assisting students with specific research papers and projects.

In my new role as an Instructor at the Mongan Institute and Massachusetts General Hospital, I am excited to continue my commitment to teaching and institutional service. I will be contributing to the institute's Health Equity Data & Delivery Science Certificate Program as a faculty facilitator and educator, equipping physicians with the knowledge and skills necessary to conduct health disparities research. Additionally, I will be supporting the research education and training core of a newly funded cross-institutional project (Mass EQLHS) that aims to advance equity-focused learning health systems through innovative research and education initiatives.

Summary: The overarching goal of my academic career is centered on pioneering impactful research to promote health equity for all. As I advance towards becoming an independent physician-scientist, this commitment will continue to transpire through rigorous scholarship, expanding network of collaboration, and education of peers in the medical and research communities.