

LT Ashley S. Tseng

CDC Epidemic Intelligence Service Officer, Hawaii State Department of Health

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EDUCATION

University of Washington School of Public Health, Seattle, WA

June 2024

Doctor of Philosophy (PhD) in Epidemiology

Doctoral Dissertation: "State-of-the-ART Care: Revolutionizing Medication Delivery in Rural Settings with a Person-Centered Care Approach"

Predoctoral Fellow, Biostatistics, Epidemiologic, and Bioinformatic Training in Environmental Health Training Grant, National Institute of Environmental Health Sciences, U.S. National Institutes of Health (June 2020-2022)

Diversity Research Supplement Awardee, Research Supplement to Promote Diversity in Health-Related Research, National Institute of Mental Health, U.S. National Institutes of Health (June 2022-2024)

Columbia University Mailman School of Public Health, New York, NY

May 2020

Master of Public Health (MPH) in Epidemiology, Applied Biostatistics Certificate

Master's Thesis: "Network analysis of livestock trade data to assess potential for zoonotic disease spread in Western Asia" (Grade: A)

Relevant coursework: Epidemiology I-III, Applied Regression I & II, Analysis of Categorical Data, Data Science, Emerging Infectious Diseases, Epi Modeling of Infectious Diseases, Advanced GIS and Spatial Analysis, Pharmaceutical Statistics, Machine Learning for Epidemiology and Public Health

McGill University, Montreal, QC, Canada

May 2018

Bachelor of Science (BSc) in Physical (Health) Geography, Minor in Economics

Relevant coursework: Global Environmental Health & Burden of Disease, Economic Evaluation of Health Programs, Fundamentals of Global Health, Advanced Topics in Health Geography, Introduction to Geographic Information Systems

SKILLS & CERTIFICATIONS

Statistical, Spatial, and Bioinformatic Analysis: R (advanced), SAS (basic), Stata (basic); ArcGIS, QGIS; Geneious Prime, Shell Scripting

Public Health Communication and Data Visualization: Canva, R, Microsoft Excel and Visio

Microsoft Office: Excel, PowerPoint, Teams, Visio, Word

Languages: English (full fluency), Mandarin Chinese (moderate fluency)

Certifications: CITI Human Subjects Protection and HIPAA Patient Privacy

CONSULTING, NON-PROFIT & GOVERNMENT PUBLIC HEALTH RESEARCH EXPERIENCE

Centers for Disease Control and Prevention, Atlanta, GA

July 2024 – Present

Epidemic Intelligence Service (EIS) Officer and Lieutenant in the U.S. Public Health Service Commissioned Corps
Assigned to the Disease Outbreak Control Division, Hawaii State Department of Health, Honolulu, HI

- Serving as an active-duty Scientist Officer (Lieutenant rank) in an Epidemiologist role with the United States Public Health Service Commissioned Corps
- Performed an evaluation of the dengue surveillance system of Hawaii and wrote a medical advisory to implement new criteria for dengue testing approval at the Hawaii State Department of Health (HDOH)
- Conducted environmental sampling during a norovirus outbreak on a remote hiking trail in Kauai, prepared samples for shipment to laboratories, and gave presentations on the environmental investigation to internal HDOH and external audiences
- Engaged in the November 2024 HPAI H5N1 Hawaii partial incident response activation, led the 2025 HDOH Bird Flu Survey to understand the knowledge, attitudes, practices of Hawaii backyard flock owners

and wild bird rescuers around bird flu, analyzed and shared findings with interagency partners and the community, did media interviews about the HDOH Bird Flu Survey findings

- During a 2025 measles case investigation, I conducted calls with exposed contacts, created and maintained a line list to investigate exposed contacts, coordinated with the CDC Emergency Operations Center during weekend standby duty to coordinate communication with involved airlines, summarized response metrics daily, facilitated response coordination meetings, and wrote an Epi-X to call for cases from other states
- Co-led the Epidemiology Team for Hawaii County's first CASPER survey in May 2025: conducted random sampling of Census tracts and households, created cluster maps for field team use, drafted survey questionnaire, analyzed survey responses, and co-authored the final report
- In collaboration with an Infection Preventionist and the Rat Lungworm Disease Working Group, I developed healthcare provider and community outreach materials for rat lungworm disease, updated the HDOH website on rat lungworm disease, first-authored a descriptive 10-year review of rat lungworm disease cases in Hawaii, and co-authored a laboratory validation study of a more sensitive test for rat lungworm disease diagnosis
- Led a study examining the association of sociodemographic characteristics and severity of disease among infant RSV cases in Hawaii, and examining the impact of the introduction of two RSV prevention products in 2023 on infant hospitalization and emergency room visits

Center for Public Health Nutrition, Seattle, WA

December 2022 – September 2023

Epidemiology Graduate Research Assistant

PI: Drs. Jennifer Otten and Marie Spiker, Center for Public Health Nutrition, Department of Environmental and Occupational Health Sciences, and Department of Epidemiology

- Served as an epidemiologist for the Washington State Food Security Survey (WAFOOD), which monitored the economic impact of COVID-19 and related inflationary food price fluctuations on Washington State residents' food security and needs
- Cleaned and analyzed WAFOOD data, prepared written and visual components of preliminary (February 2023) WAFOOD wave 4 and final (June 2023) longitudinal and cross-sectional reports, and harmonized data across four WAFOOD waves
- Authored a report that directly informed the Washington State Department of Agriculture's briefing during the Washington State legislative session in 2023
- Conducted statistical analyses for and co-authored a manuscript examining the association between early-pandemic food assistance use and subsequent food security trajectories among households in Washington State during the first three years of the COVID-19 pandemic, which was published in a peer-reviewed journal

EpiPointe LLC, Cary, NC

October 2022 – March 2024

Epidemiologist (Consultant)

PI: Dr. Falgunee Parekh

- Worked in collaboration with Guru Angad Dev Veterinary and Animal Sciences University in Punjab, India to develop an innovative training network program focused on the under-represented workforce of Women Veterinary Health Professionals (WVHPs) and Women Farmers (WF) to enhance capacity to rapidly detect outbreaks of high consequence pathogens
- Designed content for multi-day workshops in India to train WVHPs on One Health Epidemiology and laboratory biosafety and biosecurity topics
- Assisted with selection of WVHPs to implement pilot workshops for WFs in their districts

- Wrote and disseminated monthly short trainings/communications after workshops to reinforce learning outcomes, promote recruitment, and ensure retention of WVHPs and WFs
- Developed and implemented pre- and post-engagement evaluation metrics of participants to measure capacity, knowledge, awareness, strengths, weaknesses, and likelihood of implementation success

International Clinical Research Center, Seattle, WA

September 2021 – June 2022

Epidemiology Graduate Research Assistant

PI: Dr. Jennifer Ross, Department of Global Health

- Worked on a HIV-Tuberculosis (TB) mathematical modeling study to estimate the health impact in HIV infections averted of combination prevention and linkage to antiretroviral therapy for serodiscordant couples in TB-affected households in 4 TB-HIV high-burden countries (Ethiopia, Kenya, South Africa, Uganda)
- Conducted 2 systematic literature reviews to identify mathematical model parameters for the study
- Managed the study literature database and performed data extraction of past studies
- Calculated the prevalence of HIV in adult household contacts of TB patients in Ethiopia, Kenya, South Africa, and Uganda
- First-authored a manuscript on modeled estimates of HIV-serodifferent couples in TB-affected households in four sub-Saharan African countries, published in a peer reviewed journal
- Co-authored a manuscript on the frequency of HIV serodifferent couples within TB-affected households in a setting with a high burden of HIV-associated TB, published in a peer reviewed journal

Chelan-Douglas Health District, Wenatchee, WA

August 2021 – September 2021

Epidemiologist (Deployed)

Supervisor: Dr. Luke Davies, Chelan-Douglas Health District Administrator

- Deployed as an epidemiologist on a 6-week assignment to a rural health department in Central Washington
- Performed a rapid literature review and wrote a summary report on long COVID
- Created a centralized COVID-19 case database for the health district
- Researched and drafted public service announcements in the form of public health briefs about 1) Ivermectin use for COVID-19 prevention and treatment and 2) COVID-19 risks for pregnant women and recommendations for vaccinations
- Analyzed data on long COVID cases in the Chelan-Douglas Health District
- Conducted COVID-19 case investigations and test notifications across the health district during the Delta variant surge in cases
- Fielded questions about COVID-19 at Chelan-Douglas Health District sponsored vaccination clinics

International Clinical Research Center, Seattle, WA

September 2020 – September 2021

Epidemiology Graduate Research Assistant

PI: Drs. Carey Farquhar and Joshua Herbeck, Department of Global Health

- Worked on the Study of HIV, HCV, APS and Phylogenetics for people who inject drugs to determine whether assisted partner services can find, test, and link to care the sexual and injection partners of people who inject drugs living with HIV in Kenya
- Performed phylogenetic and statistical analyses to elucidate risk factors for onward transmission of HIV and hepatitis C in this population
- Prepared and led the submission of an IRB application for a supplemental research study on COVID-19 testing and estimating COVID-19 prevalence among people who inject drugs and their partners in Kenya

- First-authored a published manuscript in a peer-reviewed journal examining characteristics of index participants that result in greater onward transmission of HIV in sexual and drug-injection partners
- Co-authored peer-reviewed manuscripts describing characteristics associated with COVID-19 prevalence and viral suppression of drugs used to treat HIV in the study population

EpiPointe LLC, Cary, NC

April 2021 – July 2021

Epidemiologist (Consultant)

PI: Dr. Falgunee Parekh

- Worked in collaboration with FHI Clinical and Harvard Medical School to conduct Site Feasibility assessments for an epidemiology study that will support a Phase 3 tuberculosis vaccine trial sponsored by the Bill and Melinda Gates Medical Research Institute
- Created a Feasibility and Site Capacity Assessment Tool to assess tuberculosis epidemiology at the site and catchment area levels
- Developed a systematic method to score key criteria in the Feasibility and Site Capacity Assessment Tool
- Scored site responses according to the systematic method developed
- Provided topic areas for subject matter experts to follow-up with sites based on evaluation of survey responses
- Drafted a final report that summarizes the scoring process, results of scoring, ranking of sites according to key criteria, and lessons learned
- Co-authored a published, peer-reviewed manuscript for publication in a peer-reviewed journal to describe our assessment and scoring methodology

Alliance for Pandemic Preparedness, University of Washington, Seattle, WA

June 2020 – December 2020,

Epidemiology Graduate Research Assistant

January 2021 – April 2021

PI: Drs. Jennifer Ross and Brandon Guthrie, Department of Global Health

- Contributed to the production of daily summaries and in-depth reports of literature related to the COVID-19 outbreak (the COVID-19 Literature Situation Report)
- Tasks included a daily systematic search of published and pre-print literature, importation of citations, sorting of references into priority categories, identification of 10-20 articles per day to summarize, writing and editing of article summaries, and distribution of a daily literature digest to the public scientific community

Department of Epidemiology, Columbia University, New York, NY

September 2019 – September 2020

Epidemiology Graduate Research Assistant

PI: Dr. Jeanine Genkinger, Department of Epidemiology

- Worked on a new epidemiologic research study of nutrition, early detection, and cancer risk and survival (primarily focused on ovarian and pancreatic cancers) for 34 international cohort studies included in the Pooling Project of Prospective Studies of Diet and Cancer (DCPP) of Harvard University
- Routine tasks included assisting with NIH research grant submissions, performing word processing for scientific manuscripts, conducting data analysis and literature searches, updating research databases, preparing PowerPoint presentations, and creating tables, graphs, and spreadsheets
- Co-authored: 1. an epidemiology methods manuscript on the data standardization process for comparison across five different dietary indices and 2. a systematic review on risk factors for double primary breast and ovarian cancer in women across the risk spectrum

Department of Environmental Health Sciences, Columbia University, New York, NY

March 2020 – May 2020

Data Science Graduate Teaching Assistant

Professor: Dr. Tiffany Sanchez, Department of Environmental Health Sciences

- EHSC P8321 (Introduction to Data Science for Environmental Health), a team-taught second quarter Spring 2020 course, covered both conceptual and practical topics in data science related to environmental health sciences including web scraping/text mining, working with spatial data, prediction models, and omics
- Worked with various instructors to develop weekly modules, coded weekly lab and homework assignments in R, led students through in-class coding labs, and troubleshooted student questions during weekly office hours

EcoHealth Alliance, New York, NY

May 2019 – August 2019

EcoHealthNet Research Exchange Intern – Epidemiology

PI: Dr. Kevin Olival, Vice President for Research & Dr. Kendra Phelps, Senior Scientist

- Worked on the Western Asia Bat Research Network Project (WAB-Net) which was funded by the Cooperative Biological Engagement Program of the U.S. Department of Defense – Defense Threat Reduction Agency
- Completed a broad zoonotic disease literature review and researched pre-existing, publicly available datasets (i.e., Food and Agriculture Organization Corporate Statistical Database, World Organisation for Animal Health's World Animal Health Information System) to use
- Conducted a network analysis on livestock trade and prevalence of three zoonotic diseases between 20 Western Asia countries in R, then transitioned the project to become my master's thesis
- While in the field, collected diagnostic samples from wild-caught bats for coronavirus surveillance in Turkey and Jordan in August 2019

National Center for Disaster Preparedness, New York, NY

January 2019 – May 2019

Geospatial Graduate Research Assistant

Supervisor: Dr. Thomas Chandler, Deputy Director and Research Scientist

- Built an open-access topical application using ArcGIS to serve as supplemental material to FEMA Community Housing Recovery trainings throughout the U.S.
- Curated housing, community, and natural hazards Geographic Information Systems (GIS) assets based on existing literature regarding community housing recovery after disasters
- Cleaned and manipulated curated datasets in Stata
- Spatially joined housing, community, and natural hazards GIS datasets to a Census Tract geodatabase
- Gave an oral presentation on this novel tool as part of the Disaster Clusters session at the Earth Science Information Partners Annual Meeting in Tacoma, Washington in July 2019

U.S. Department of the Interior, Washington, DC

June 2018 – August 2018

National Park Service, Office of Public Health, Disease Prevention and Response Epidemiology Branch

Epidemiology Student Trainee

Supervisor: CDR Maria Said, Epidemiology Branch Chief

- Developed content (e.g., infectious disease fact sheets) for the National Park Service internal and external websites
- Evaluated Appalachian Trail's current norovirus surveillance system to identify strengths and gaps
- Used CDC software EpilInfo to develop and deploy disease detection survey for norovirus cases in Yellowstone National Park
- Performed fieldwork (tick dragging) for multi-year CDC Lyme disease surveillance project in Rock Creek Park, Maryland

American Society for Microbiology, Washington, DC International Affairs Team Program Coordinator Supervisor: Dr. Mark Lim, Director of International Affairs (Global Public Health Programs)	June 2018 – August 2018
Land and Food Lab, McGill University, Montreal, QC, Canada Geography Undergraduate Research Assistant PI: Dr. Graham MacDonald, Department of Geography	January 2018 – May 2018
CRDF Global, Arlington, VA Biosecurity Engagement Program (BEP) Team Intern Supervisor: Andrew Parsons, Associate Director of the Biosecurity Engagement Program	May 2017 – August 2017
Experiment, New York, NY Community Team Intern Supervisor: Cindy Wu, Co-Founder	July 2015 – January 2017
Biogeochemistry Lab, McGill University, Montreal, QC, Canada Biogeochemistry Undergraduate Research Assistant PI: Dr. Tim Moore, Department of Geography	January 2016 – April 2016

American Society for Microbiology, Washington, DC
International Affairs Team Program Coordinator
Supervisor: Dr. Mark Lim, Director of International Affairs (Global Public Health Programs)

- Provided administrative and logistical support for three major programs: PEPFAR (CDC), Global Health Security Agenda (CDC), and Biosafety & Biosecurity (BS&S) strengthening (Department of State)
- Researched public and private funding opportunities for One Health and point-of-care HIV testing
- Spearheaded effort to create partnerships between the American Society for Microbiology and multiple Chinese organizations, including China CDC, and universities

Land and Food Lab, McGill University, Montreal, QC, Canada
Geography Undergraduate Research Assistant
PI: Dr. Graham MacDonald, Department of Geography

- Developed a phosphorus footprint tool based on U.S. data which describes the phosphorus losses to the environment that are linked to individual or collective consumption patterns
- Compiled and manipulated data in Microsoft Excel to generate set of calculations called virtual phosphorus factors (VPFs) for animal-based products

CRDF Global, Arlington, VA
Biosecurity Engagement Program (BEP) Team Intern
Supervisor: Andrew Parsons, Associate Director of the Biosecurity Engagement Program

- Researched impact of the political climate in the Middle East and North Africa region on biosecurity practices
- Assisted with proposal development by reviewing the budget and performing a copy review before sending to the BEP team Associate Director for final approval
- Conducted monitoring & evaluation of ongoing BEP projects based on DoS CTR-requested metrics, data mining, and conference and travel logistics
- Wrote summary reports and gave presentations on global health security events I attended

Experiment, New York, NY
Community Team Intern
Supervisor: Cindy Wu, Co-Founder

- Reviewed and edited ~100 project scientific research proposals
- Managed 2 grant challenges (Seabirds and Public Health) involving >10 projects in each
- Made five video storyboards for scientists running research campaigns and wrote a Science Story on one of the project researchers
- Answered ~50 daily client e-mails and issued project payouts to researchers

Biogeochemistry Lab, McGill University, Montreal, QC, Canada
Biogeochemistry Undergraduate Research Assistant
PI: Dr. Tim Moore, Department of Geography

- Assisted with PhD Candidate Tatjana Živković's dissertation on nutrient cycling in northern peatlands in Canada
- Researched the importance of N₂ fixation as an N input in peatlands and ecological drivers controlling N₂ fixation with a focus on environmental and biogeochemical controls
- Grinded and weighed 100 moss samples, then performed acid digestions of dried moss samples for further nutrient analyses (P, K, Mg, Ca)

- Submitted the 100 samples for N and P analyses to the McGill Environmental Chemistry and Soil Nutrient Lab

Maldonado Group, University of Michigan, Ann Arbor, MI

July 2015 – August 2015

Chemistry Summer Undergraduate Research Assistant

PI: Dr. Stephen Maldonado, Department of Chemistry

- Collaborated with a professor to create a new undergraduate chemistry course at the university focused on creating thin-film solar cells with the hope of exposing students to an alternate form of solar cells made from perovskites, cheaper and simpler to make than other types of solar cells
 - Planned the structure and content of the course, organized each laboratory session, then spent time in the laboratory to perform each week's lab to see if the allotted time and difficulty per lab were appropriate
 - Created a Microsoft Excel how-to guide for the data analysis component of the course

Lombardi Cancer Comprehensive Center, Georgetown University, Washington, DC June 2012 – July 2012,
Epidemiology Summer Research Assistant June 2013 – August 2013

PI: Dr. Judy Huei-yu Wang, Department of Oncology

- Worked with a population sciences researcher on a 5-year randomized controlled trial to test the effect of cultural targeting on increasing mammography screening specifically in Chinese immigrants
 - Translated ~20 phone interviews with breast cancer survivors from Chinese to English
 - Recorded interview data with study participants from paper forms to the internal database
 - Performed literature reviews to support dietary research grant applications
 - Started a fundraising project in collaboration with CANCER101 to create a toolkit guiding newly-diagnosed breast cancer patients through treatments and care
 - Created 2 informational pamphlets for breast cancer patients

PUBLICATIONS

Fenton S, Perez M, Kallas GN, Guest LT, Tseng AS. 2025 East Hawai'i CASPER Report. Honolulu (HI): Hawai'i State Department of Health, Hawai'i District Health Office; 2025. Accessed October 28, 2025. <https://health.hawaii.gov/big-island/files/2025/09/2025-East-Hawaii-CASPER-Report-1.pdf>

Buszkiewicz JH, Tseng AS, Dai J, Ismach A, Beese S, Collier SM, et al. (2025) Association between early-pandemic food assistance use and subsequent food security trajectories among households in Washington State during the first three years of the COVID-19 pandemic. PLoS One 20(5): e0321585.
doi:10.1371/journal.pone.0321585

Tseng AS, Barnabas RV, van Heerden A, Ntinga X, Sahu M. Costs of home-delivered antiretroviral therapy refills for persons living with HIV: evidence from a pilot randomized controlled trial in KwaZulu-Natal, South Africa. PLOS Global Public Health. 2024 Dec 30;4(12): e0003368. doi:10.1371/journal.pgph.0003368

Tseng AS, Heitner JA, Szapiro AA, van Heerden A, Ntinga X, Krows ML, Barnabas RV. Comparing the environmental costs of home-delivered vs. standard clinic-based antiretroviral therapy refills for people living with in rural South Africa. PLOS Sustainability and Transformation. Submitted December 21, 2023.

Tseng AS, Mugwanya KK, Szapiro AA, van Heerden A, Ntinga X, Schaafsma TT, et al. Estimating the effect of COVID-19 pandemic restrictions on self-reported antiretroviral therapy use and late refill visits among people living with HIV in rural South Africa. JAIDS J Acquir Immune Defic Syndr. 2024 Aug 1.
doi:10.1097/QAI.0000000000003431

- Zhang M, **Tseng AS**, Anguzu G, Barnabas RV, Davis JL, Mujugira A, Flaxman AD, Ross JM. Modeled estimates of HIV-serodifferent couples in tuberculosis-affected households in four sub-Saharan African countries. Sharan R, editor. PLOS Glob Public Health. 2024 May 2;4: e0002609. doi:10.1371/journal.pgph.0002609
- Tseng AS**, Roberts MC, Weissman SJ, Rabinowitz PM. Study of heavy metal resistance genes in *Escherichia coli* isolates from a marine ecosystem with a history of environmental pollution (arsenic, cadmium, copper, and mercury). PLOS ONE. 2023 Nov 23;18(11):e0294565. doi: 10.1371/journal.pone.0294565
- Mui WL, Parekh FK, **Tseng AS**, Toro J, Craig T, Ndugga M, Schmidt AC, Dagnell AF, Penz C, Belai G. Data-driven epidemiologic approach to conducting site feasibility for a global phase III tuberculosis vaccine clinical trial. PLOS Glob Public Health. 2023 Nov 8; 3(11). doi: 10.1371/journal.pgph.0002544
- Chohan BH, Kingston H, **Tseng AS**, Sambai B, Guthrie BL, Wilkinson E, Giandhari J, Mbogo LW, Monroe-Wise A, Masyuko SJ, Bosire R, Ludwig-Barron NT, Sinkele W, Bukusi D, de Oliveria T, Farquhar C, Herbeck JT. Virologic non-suppression and HIV drug resistance among people who inject drugs and their sexual and injecting partners in Kenya. AIDS Res Hum Retroviruses. 2023 Dec 8. doi:10.1089/AID.2023.0068.
- Ferris JS, Morgan DA, **Tseng AS**, Terry MB, Ottman R, Hur C, Wright JD, Genkinger JM. Risk Factors for Developing Both Primary Breast and Primary Ovarian Cancer: A Systematic Review. Crit Rev Oncol Hematol. 2023 Aug;104081. doi: 10.1016/j.critrevonc.2023.104081.
- Yeh KB, Powers MD, Patel A, Parekh F, **Tseng AS**, Bradford E, Parker K, Soong R, Olinger G, Mombo I. Retrospective on molecular assay design for detecting pan-orthopox viruses and prospective on mpox laboratory preparedness and readiness. Front Trop Dis. 2023 Jul 26;4. doi: 10.3389/fitd.2023.1221804.
- Otten JJ, Spiker ML, Dai J, **Tseng AS**, Buszkiewicz JH, Beese S, Collier SM, Ismach A. Washington State Food Security Surveys: Longitudinal findings across survey waves 1-4, 2020-2023 [Internet]. Seattle: University of Washington School of Public Health Center for Public Health Nutrition; 2023 June [cited 2023 Aug 4]. Available from: <https://nutr.uw.edu/cphn/wafood/brief-15>.
- Otten JJ, Spiker ML, Dai J, **Tseng AS**, Buszkiewicz JH, Beese S, Collier SM, Ismach A. Washington State Food Security Surveys: Cross-sectional findings from survey waves 1-4, 2020-2023 [Internet]. Seattle: University of Washington School of Public Health Center for Public Health Nutrition; 2023 June [cited 2023 Aug 4]. Available from: <https://nutr.uw.edu/cphn/wafood/brief-14>.
- Otten JJ, Spiker ML, Dai J, **Tseng AS**, Buszkiewicz JH, Beese S, Collier SM, Ismach A. Food Access and Economic Well-being: Additional findings from a 4th survey of Washington State households [Internet]. Seattle: University of Washington School of Public Health Center for Public Health Nutrition; 2023 June [cited 2023 Aug 4]. Available from: <https://nutr.uw.edu/cphn/wafood/brief-13>.
- Anguzu G, Gupta AJ, Ochom E, **Tseng AS**, Zhang M, Barnabas RV, Flaxman AD, Katamba A, Davis JL, Ross JM. Frequency of HIV serodifferent couples within TB-affected households in a setting with a high burden of HIV-associated TB. BMC Infect Dis. 2023 Jun 9;23(1):388. doi: 10.1186/s12879-023-08365-y. PubMed PMID: 37296396; PubMed Central PMCID: PMC10251627.

Otten JJ, Spiker ML, Dai J, **Tseng AS**, Buszkiewicz JH, Beese S, Collier SM, Ismach A. Food Security and Food Assistance in the Wake of COVID-19: A 4th Survey of Washington State Households [Internet]. Seattle: University of Washington School of Public Health Center for Public Health Nutrition; 2023 Feb [cited 2023 Apr 28]. Available from: <https://nutr.uw.edu/cphn/wafood/brief-12>.

Doshi S, Kingston H, **Tseng AS**, Chohan BH, Sambai B, Guthrie BL, Monroe-Wise A, Mbogo LW, Masyuko S, Tram KH, Sinkele W, Macharia P, Bukusi D, Herbeck JT, Farquhar C. SARS-CoV-2 antibody prevalence, correlates, and access to harm reduction services among people who inject drugs living with and without HIV and their partners in Kenya. Harm Reduct J. 2023 Feb 23;20(1):21. doi: 10.1186/s12954-023-00754-5. PubMed PMID: 36823596; PubMed Central PMCID: PMC9947430.

Tseng AS, Sambai B, Monroe-Wise A, Mbogo LW, Ludwig-Barron NT, Masyuko SJ, Chohan BH, Scott JD, Sinkele W, Herbeck JT, Farquhar C, Guthrie BL. Assisted Partner Services for People Who Inject Drugs: Index Characteristics Associated With Untreated HIV in Partners. J Acquir Immune Defic Syndr. 2022 Nov 1;91(3):269-275. doi: 10.1097/QAI.0000000000003062. PubMed PMID: 35969466; PubMed Central PMCID: PMC9588565.

Hill CM, **Tseng AS**, Holzhauer K, Littman AJ, Jones-Smith JC. Association between health care access and food insecurity among lower-income older adults with multiple chronic conditions in Washington State, USA. Public Health Nutr. 2023 Jan;26(1):199-207. doi: 10.1017/S1368980022001240. Epub 2022 May 23. PubMed PMID: 35603699.

Mbogo LW, Sambai B, Monroe-Wise A, Ludwig-Barron NT, Guthrie BL, Bukusi D, Chohan B, Macharia P, Dunbar M, Juma E, Sinkele W, Gitau E, **Tseng AS**, Bosire R, Masyuko S, Musyoki H, Temu TM, Herbeck J, Farquhar C. Participation in methadone programs improves antiretroviral uptake and HIV viral suppression among people who inject drugs in Kenya. J Subst Abuse Treat. 2022 Mar;134:108587. doi: 10.1016/j.jsat.2021.108587. Epub 2021 Aug 8. PubMed PMID: 34391587.

Yeh KB, Tabynov K, Parekh FK, Mombo I, Parker K, Tabynov K, Bradrick SS, **Tseng AS**, Yang JR, Gardiner L, Olinger G, Setser B. Significance of High-Containment Biological Laboratories Performing Work During the COVID-19 Pandemic: Biosafety Level-3 and -4 Labs. Front Bioeng Biotechnol. 2021;9:720315. doi: 10.3389/fbioe.2021.720315. eCollection 2021. PubMed PMID: 34485259; PubMed Central PMCID: PMC8414973.

Tseng A, Tolentino L, Seiler J, Issema R, Fisher M, Rowlinson E, Slaughter F, Fajans M, Fuller S, Green D, Louden D, Drake A, Hahn W, Ross JM, Guthrie BL. Summary of Evidence Related to Travel, Hospitality and Service Industries, and COVID-19 Risk [Internet]. Seattle: University of Washington Alliance for Pandemic Preparedness; 2021 Apr [cited 2023 Apr 28]. Available from: <https://depts.washington.edu/pandemicalliance/covid-19-literature-report/in-depth-reports/>.

Guthrie BL, **Tseng A**, Tolentino L, Seiler J, Issema R, Fisher M, Fuller S, Green D, Louden D, Slaughter F, Fajans M, Rowlinson E, Drake A, Ross JM, Hahn WO. Summary of Evidence Related to the Risk of Other Infections in the Context of COVID-19 [Internet]. Seattle: University of Washington Alliance for Pandemic Preparedness; 2021 Mar [cited 2023 Apr 28]. Available from: <https://depts.washington.edu/pandemicalliance/covid-19-literature-report/in-depth-reports/>.

Guthrie BL, **Tseng A**, Tolentino L, Seiler J, Issema R, Fisher M, Fuller S, Green D, Louden D, Drake A, Hahn W, Ross JM. Summary of Evidence Related to Recreational, Youth, and Collegiate Sports and the Risk of COVID-19 [Internet]. Seattle: University of Washington Alliance for Pandemic Preparedness; 2021 Feb [cited 2023 Apr 28]. Available from: <https://depts.washington.edu/pandemicalliance/covid-19-literature-report/in-depth-reports/>.

Tseng A, Tolentino L, Seiler J, Issema R, Fisher M, Fuller S, Green D, Louden D, Drake A, Hahn W, Guthrie BL, Ross JM. Summary of SARS-CoV-2 Novel Variants [Internet]. Seattle: University of Washington Alliance for Pandemic Preparedness; 2021 Feb [cited 2023 Apr 28]. Available from: <https://depts.washington.edu/pandemicalliance/covid-19-literature-report/in-depth-reports/>.

Guthrie BL, Seiler J, Tolentino L, Jiang W, Fisher M, Issema R, Fuller S, Green D, Tordoff DM, Meisner J, **Tseng A**, Louden D, Ross JM, Drake AL. Summary of Evidence Related to Schools During the COVID-19 Pandemic [Internet]. Seattle: University of Washington Alliance for Pandemic Preparedness; 2020 Oct [cited 2023 Apr 28]. Available from: <https://depts.washington.edu/pandemicalliance/covid-19-literature-report/in-depth-reports/>.

Ross JM, Seiler J, Meisner J, Tolentino L, Jiang W, **Tseng A**, Fuller S, Green D, Tordoff, DM, Louden D, Guthrie BL. Summary of COVID-19 Long-term Health Effects: Emerging Evidence and Ongoing Investigation [Internet]. Seattle: University of Washington Alliance for Pandemic Preparedness; 2020 Sep [cited 2023 Apr 28]. Available from: <https://depts.washington.edu/pandemicalliance/covid-19-literature-report/in-depth-reports/>.

Yeh K, Fair J, Cui H, Newman C, Braunstein G, Chanturia G, Vora S, Chittenden K, **Tseng A**, Monagin C, Fletcher J. Achieving Health Security and Threat Reduction through Sharing Sequence Data. *Trop Med Infect Dis.* 2019 May 14;4(2). doi: 10.3390/tropicalmed4020078. PubMed PMID: 31091687; PubMed Central PMCID: PMC6631123.

PRESENTATIONS

- **Accepted Oral Presentation**, “Updating Hawai‘i’s Criteria for Dengue Fever Laboratory Testing,” 2025 West Coast Epi Meeting, November 2025
- **Accepted Oral Presentation**, “How an Environmental Investigation Enhanced a Norovirus Outbreak Investigation Among Hikers on the Kalalau Trail, Kaua‘i Island, Hawai‘i, August–September 2024,” 2025 CSTE Conference, June 2025
- **Oral Presentation**, “How an Environmental Investigation Enhanced a Norovirus Outbreak Investigation Among Hikers on the Kalalau Trail, Kaua‘i Island, Hawai‘i, August–September 2024,” 2025 EIS Conference, April 2025
- **Panelist**, University of Alaska-Fairbanks BIOL 335 Undergraduate Epidemiologist Career Panel, April 2025
- **Oral Presentation**, “Tunes we’re not rocking out to: Substantial presence of heavy metals in *Escherichia coli* isolates from the Salish Sea ecosystem,” Annual Cascadia Symposium on Environmental, Occupational, and Population Health, January 2024
- **Poster Presentation**, “Comparing the Environmental Costs of Differentiated Service Delivery of Antiretroviral Therapy for People Living with HIV in Rural South Africa,” International Society for Pharmacoeconomics and Outcomes Research Europe 2023 Conference, November 2023
- **Oral Presentation**, “EPI 514 Survivor Talk: Health care access and food insecurity among lower-income older adults with multiple chronic conditions,” EPI 514 Application of Epidemiologic Methods, University of Washington School of Public Health, April 2023

- **Oral Presentation**, “EPI 514 Survivor Talk: Health care access and food insecurity among lower-income older adults with multiple chronic conditions,” EPI 514 Application of Epidemiologic Methods, University of Washington School of Public Health, March 2022
- **Oral Presentation**, “SEAL Team Deployment: Chelan-Douglas Health District,” EPI 594 Field Epidemiology: Student Epidemic Action Leaders Team, University of Washington School of Public Health, November 2021
- **Oral Presentation**, “SEAL Team Deployment: Washington State Department of Health School Outbreak Assessment of Policies and Procedures survey,” EPI 594 Field Epidemiology: Student Epidemic Action Leaders Team, University of Washington School of Public Health, October 2021
- **Oral Presentation**, “SEAL Team Deployment: Chelan-Douglas Health District,” EPI 583 Epidemiology Seminar Series, University of Washington School of Public Health, October 2021
- **Poster Presentation**, 9th Annual Epidemiology Master’s Student Day, Columbia University Mailman School of Public Health, October 2019
- **Oral Presentation**, “Building a Community-Based Housing Disaster Recovery GIS Application,” Earth Science Information Partners Annual Meeting, July 2019
- **Panelist**, Columbia University’s Biostatistics Epidemiology Summer Training Diversity Program, June 2019
- **Poster Presentation**, “Creating a Knowledge Sharing Hub for Biosecurity Using an Online Collaborative Tool,” American Public Health Laboratories Annual Meeting, June 2018
- **Oral Presentation**, “Creating a Knowledge-Sharing Hub for Biosecurity Using an Online Collaborative Tool,” Sequencing, Finishing, and Analysis in the Future 13th Annual Meeting, May 2018
- **Poster Presentation**, “Examining the Impact of the Schistosomiasis Control Initiative on Praziquantel Coverage in Sub-Saharan African Schoolchildren,” American Society of Tropical Medicine and Hygiene 66th Annual Meeting, November 2017

SCHOLARSHIPS & AWARDS

- **\$300 Travel Grant**, Graduate and Professional Student Senate, University of Washington, December 2023
- **\$300 Trainee Support Grant**, University of Washington/Fred Hutch Center for AIDS Research, November 2023
- **\$500 Graduate Student Conference Presentation Award**, The Graduate School, University of Washington, October 2023
- **\$500 Travel Award**, Department of Epidemiology, University of Washington, September 2023
- **\$2,000 James A. McDermott, M.D. Global Health Endowed Fellowship 2023-24**, University of Washington School of Public Health, May 2023
- **\$3,000 Walter A. Remak Scholarship 2023-24**, University of Washington School of Public Health, May 2023
- **U.S. National Institutes of Health, National Institute of Mental Health, Research Supplement to Promote Diversity in Health-Related Research**, Diversity Research Supplement Award for Dissertation Research, University of Washington, June 2022-2024
- **Exceptional Student Award**, Washington State Public Health Association, October 2021
- **U.S. National Institutes of Health, National Institute of Environmental Health Sciences, National Research Service Award (NRSA- T32 Predoctoral Fellowship)**, Biostatistics, Epidemiologic, and Bioinformatic Training in Environmental Health (BEBTEH) Training Grant, University of Washington, June 2021-2022
- **\$250 Student Award**, Department of Epidemiology, University of Washington, September 2020
- **U.S. National Institutes of Health, National Institute of Environmental Health Sciences, National Research Service Award (NRSA- T32 Predoctoral Fellowship)**, Biostatistics, Epidemiologic, and

Bioinformatic Training in Environmental Health (BEBTEH) Training Grant, University of Washington, June 2020-2021

- **Best Poster of Infectious Disease Epidemiology Award**, Columbia University's 9th Annual Epidemiology Master's Student Practicum Research Day, October 2019
- **\$1,250 Travel Award**, 2019 Earth Science Information Partners Summer Meeting, July 2019
- **\$1,800 Travel Award**, McGill University Science Undergraduate Society Ambassador Fund, October 2017
- **First Place Prize**, "NTI-GHSN Biosecurity Competition Proposal: Addressing Biosecurity and Associated Technological Risks by Creating a Database to Knowledge-sharing and Utility," 2017 Nuclear Threat Initiative-Next Generation Global Health Security Network Biosecurity in the Global Health Security Agenda (GHSA) Competition for the 4th Annual High Level GHSA Ministerial Meeting in Kampala, Uganda, October 2017