CURRICULUM VITAE
Melissa I Franco-Galicia, MPH

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EDUCATION

PhD, Health Policy and Decision Science, Stanford University — June 2026
Master of Public Health, Epidemiology and Biostatistics, Washington University in St. Louis — August 2018
Bachelor of Science, Chemistry, University of California, Davis — June 2014

TEACHING/LECTURES

2025	Guest Lecture, The Student Transition and Retention (STaR) Program, University of California, Davis
2025	Guest Lecture, Regression and Causality: Understanding Relationships in Data, Stanford University
	Course: HRP 208 Introduction to Concepts and Methods in Health Services and Policy Research II
2024	Graduate Teaching Assistant, Stanford University
	Course: HRP 392 Analysis of Cost, Risks, and Benefits of Health Care
2014	General Education Development (GED) Teaching Assistant, Pasadena City College
	Course: Academic aid for high school mathematics, chemistry, and biology
2013-2014	Private tutor for Grade 6-8 Spanish and mathematics

EXPERIENCE

Graduate Fellow   September 2022 – Present
Immigration Policy Lab, Stanford University   Stanford, CA

- Data management and analysis of Medicaid claims (2011-2019) data in BigQuery and R
- Geocoding of federally qualified health centers in the US from 2011 to 2019 using the Google API, aimed at merging with Medicaid claims data.

Project Manager   November 2018 – July 2021
University of Chicago, Medicine, Section of General Internal Medicine Center   Chicago, IL
for Chronic Disease Research and Policy

- Coordinate and oversee the execution of several health service research projects in mental health, chronic disease, medication adherence, health and healthcare disparities, and implementation science
- Support behavior healthcare integration into primary care through patient portal-based depression screening and coordinate patient care with medical team and mental healthcare services
- Perform meta-analyses on clinical benefits and risks of new diabetes medications (GLP-1, SGLT-2) and the impact of health disparity interventions in minority and underserved populations in the United States
- Contribute to the development of a diabetes health disparities model
- Build data collection instruments, surveys, and databases using Redcap and Microsoft Excel
- Data management and analysis of large qualitative and quantitative data using SAS
- Manage, oversee, and train 20+ study personnel and 5-12 undergraduate, graduate, and medical students
- Present research findings to stakeholders, at seminars and scientific conferences
- Prepare, write, and submit grant proposals, sponsor reports, IRB protocols and amendments, and manuscripts

Graduate Research Assistant   September 2016 – January 2019
Washington University in St. Louis, Prevention Research Center   St. Louis, MO

- Supported implementation and dissemination of science research projects in cancer control and chronic disease prevention
- Performed literature reviews, developed surveys, and led cognitive testing of survey instruments
- Quantitative and qualitative data collection, codebook development, development of database, and data management in Microsoft Excel and Access
- Descriptive, inferential, and thematic analysis in SPSS and SAS
- Contribution to conference abstracts, manuscripts, and study protocols
- Presented study findings at local and national conferences

- Knowledge and training in D&I science, frameworks, and its application in health

Graduate Student Trainee   **March 2018 – June 2018**
Washington University in St. Louis, Brown School   St. Louis, MO/Sydney, AU
- Conducted a rapid Health Impact Assessment (HIA) in partnership with the Center for Health Equity Training, Research, and Evaluation (CHETR) on the effect of gambling and community health
- Performed collaborative literature reviews to inform HIA framework and created a community profile
- Developed key informant interviews and conducted in-depth interviews with various community stakeholders
- Presented HIA findings to key stakeholders in the community and produced a report with future recommendations

Health Intern   **May 2017 – November 2017**
Saint Louis County Department of Public Health, Division of Communicable   St. Louis, MO
Disease Control Services
- Program evaluation of the Perinatal Hepatitis B Prevention Program by assessing case management efforts and vaccine-related adherence
- Data management and analysis of the perinatal hepatitis B database from 2009-2015 in SAS
- Co-authored the Perinatal Hepatitis B Prevention Program Annual Report 2016 for clinicians, stakeholder, and community members
- Contributed to conference abstract and presented findings at a local conference
- Assisted in food-born disease investigations in Spanish

Research Assistant   **June 2014 – June 2016**
University of California, Davis, Center for Health and the Environment   Davis, CA
- Conducted quantitative and qualitative research addressing health illness among agricultural workers in California
- Field recruitment, observations, and interviews in Spanish and English of 500+ participants
- Data collection of meteorological and physiological data using I-STAT CHEM 8, DCA Analyzer, coretemps, acticals, heat pens, HOBO, and Quest Weather Stations
- Data entry, coding, and analysis of large database using Microsoft Excel, Access, and SAS
- Developed a *Train the Trainer* educational program and delivered training to farmers and agricultural workers of heat illness prevention strategies in Spanish and English

FELLOWSHIPS AND GRANTS

Current Funding
Stanford Global Health Seed Grant
Co-Investigator   06/15/2025 – 06/15/2026
Mathematical models for cancer decision-making considering healthcare systems and access constraints
The goal of this funding is to explore how capacity limitations affect cancer outcomes and healthcare decisions, especially among vulnerable populations. To accomplish this ongoing research, the project will: 1) assess the impact of restricted access to screening on breast cancer outcomes in the U.S., 2) examine how diagnostic and treatment limitations influence healthcare wait times in Mexico, and 3) develop a cancer modeling framework for resource-limited environments. These funds from the pilot seed grant will specifically support my research time and efforts for the 2025-2026 academic year.

Stanford King Center for Global Development Dissertation Fellowship
Principal Investigator   09/01/2025-06/15/2026
Mathematical models for cancer decision-making considering healthcare systems and access constraints
This funding aims to align with the Stanford Global Health Seed Grant by supporting my research time and efforts during the 2025-2026 academic year.

King Center on Global Development Research Funding
Principal Investigator   07/01/2023 – 11/30/2025
A Cancer Modeling Framework with healthcare system constraints in low-to-middle income countries
The goal of this project will be to 1) assess the cancer burden by incorporating resource constraints, 2) predict impacts on cancer outcomes, 3) identify capacity bottlenecks and health policy strategies that maximize benefit, and 4) inform cancer care in LMICs. This will be accomplished by creating health policy models and tools that will

facilitate the dissemination of critical evidence of the impact of cancer control policies when considering constraints in resource-limited settings. Funds will support a two-month fieldwork stay from August 2025 to November 2025 to establish project design and collaborations.

Agency for Health Research and Quality: National Research Service Award　　　　09/01/2021 – 06/30/2025
Trainee
The impact of legal status on healthcare utilization in agricultural workers in the United States
The goal of this study is to estimate the effects of being naturalized on healthcare services use among foreign-born agricultural workers in the United States. I use repeated cross-sectional survey data to compare healthcare services uses among three worker populations: citizens, legal permanent residents, and undocumented.

Health Policy Modeling of Breast Cancer in the United States: An access to screening analysis
The uncertainty around the health benefits of mammogram screening, combined with the recent challenge of eliminating zero-cost preventive services (*Braidwood Ruling*), creates a screening access barrier for women in their forties in the US, regardless of the country's ability to carry out nationwide breast cancer screening. This is especially noticeable in the diagnosis and treatment of women in advanced stages of breast cancer. Therefore, a *Braidwood ruling* could potentially worsen the burden of breast cancer across the US. Hence, the goal for this analysis is to assess the additional health benefit for every woman aged 40-49 who is screened and evaluate the potential health consequences of a *Braidwood ruling* if zero-cost preventive screening were eliminated for women ages 40-49.

Previous Funding
Spectrum Population Health Science Pilot Grant
Co-Investigator　　　　07/01/2023 – 06/30/2024
The impact of expanding Medicaid to undocumented Children in California
The goal of this project seeks to understand the impact of expanding access to Medicaid for undocumented children in California. I will estimate how many additional children gained coverage in response to the expansion of Medicaid to all children, regardless of documentation status (State Bill 75, implemented May 2016). I will then estimate the effect of gaining access to Medicaid on all-cause child and adolescent mortality and identify subgroups where the effects were largest.

Center for Latin American Studies Travel Grant　　　　10/22/2023 – 10/25/2023
The goal of this funding was to present ongoing work in Mexico at the 45th Annual North American Meeting.

Center for Latin American Studies Tinker Graduate Field Research Grant
Principal Investigator　　　　07/01/2023 – 08/08/2023
Health policy modeling of breast cancer in Mexico
The goal of this project is to apply global health, operational research, economic analysis, and mathematical modeling approaches to evaluate the optimal allocation of breast cancer health policies prioritizing timely services for newly detected women in Mexico. This research critically considers a realistic capacity constraint in Mexico that has not been previously evaluated. The main objective of these funds was to conduct fieldwork to develop and implement a mathematical policy model to inform breast cancer policy in a resource-constrained county. I was able to accomplish this by meeting and working with healthcare professionals, researchers, and policymakers in Mexico to inform our model inputs and research objectives.

Graduate Research Fellowship: Prevention Research Center in St. Louis
Trainee　　　　09/01/2017 – 6/30/2018
The goal of the fellowship was to provide tuition support and training expertise in the implementation and dissemination of science research. It led to the publication of: **Franco M**, Mazzucca S, Padek M, Brownson R. Going beyond the individual: How state-level characteristics relate to HPV vaccine rates in the United States. BMC Public Health. 2019;19(1):246. doi: 10.1186/s12889-019-6566-y.

PUBLICATIONS

Peer-Reviewed Publications
1. **Franco MI**, Staab EM, Zhu M, Deehan W, Moses J, Gibbons R, Vinci L, Shah S, Yohanna D, Beckman N, Laiteerapong N. Implementation of an EHR-integrated web-based depression assessment in primary care: PORTAL-Depression. JAMIA Open. 2024 Sep 24;7(3):ooae094. doi: 10.1093/jamiaopen/ooae094. PMID: 39473829; PMCID: PMC11519040.

2. Walker J, Staab E, Ridgway J, Schmitt J, **Franco M**, Hunter S, Motley D, Laiteerapong N. [Patient Perspectives on Portal-Based Anxiety and Depression Screening in HIV Care: A Qualitative Study Using the Consolidated Framework for Implementation Research](#). International Journal of Environmental Research and Public Health 2024;21(6):692.
3. Zimmer D, Staab EM, Ridgway JP, Schmitt J, **Franco M**, Hunter SJ, Motley D, Laiteerapong N. [Population-Level Portal-Based Anxiety and Depression Screening Perspectives in HIV Care Clinicians: Qualitative Study Using the Consolidated Framework for Implementation Research](#). JMIR Form Res. 2024 Jan 11;8:e48935. doi: 10.2196/48935. PMID: 38206651; PMCID: PMC10811578.
4. Staab EM, **Franco MI**, Zhu M, Wan W, Gibbons RD, Vinci LM, Beckman N, Yohanna D, Laiteerapong, N. [Population Health Approach to Depression Symptom Monitoring in Primary Care Using a Patient Portal: A Randomized Controlled Trial.](#) American Journal of Medical Quality. Accepted May 22, 2023.
5. Choi J, Winn A, Skandari R, **Franco M** Staab EM, Alexander J, Wan W, Zhu M, Huang ES, Philipson L, Laiteerapong N. [First-line therapy for type 2 diabetes with sodium-glucose cotransporter-2 inhibitors and glucagon-like peptide-1 receptor agonists: A cost-effectiveness study.](#) Ann Intern Med. 2022. Oct;175(10):1392-1400. doi: 10.7326/M21-2941. Epub 2022 Oct 4. PMID: 36191315
6. **Franco M**, Staab EM, Zhu M, Knitter A, Wan W, Gibbons R, Vinci L, Shah S, Yohanna D, Beckman N, Laiteerapong N. [Pragmatic clinical trial of population health, portal-based depression screening: The PORTAL-Depression](#). J Gen Intern Med. 2022 Sep 20. doi: 10.1007/s11606-022-07779-9. Epub ahead of print. PMID: 36127535
7. Alexander JT, Staab EM, Wan W, **Franco M**, Knitter A, Skandari MR, Bolen S, Maruthur N, Huang ES, Philipson L, Winn AN, Thomas CC, Zeytinoglu M, Press VG, Tung EL, Gunter KE, Bindon B, Jumani S, Laiteerapong N. [Longer-term benefits and risks of sodium-glucose cotransporter-2 inhibitors in type 2 diabetes: A systematic review and meta-analysis.](#) J Gen Intern Med. 2022 Feb;37(2):439-448. DOI: 10.1007/s11606-021-07227-0. PMID: 34850334.
8. Alexander JT, Staab EM, Wan W, **Franco M**, Knitter A, Skandari MR, Bolen S, Maruthur NM, Huang ES, Philipson LH, Winn AN, Thomas CC, Zeytinoglu M, Press VG, Tung EL, Gunter K, Bindon B, Jumani S, Laiteerapong N. [The Longer-Term Benefits and Harms of Glucagon-Like Peptide-1 Receptor Agonists: A Systematic Review and Meta-Analysis.](#) J Gen Intern Med. 2021 Sep 10. doi: 10.1007/s11606-021-07105-9. Epub ahead of print. PMID: 34508290.
9. **Franco M**, Mazzucca S, Padek M, Brownson R. [Going beyond the individual: How state-level characteristics relate to HPV vaccine rates in the United States.](#) BMC Public Health. 2019;19(1):246. doi: 10.1186/s12889-019-6566-y.
10. Padek M, Allen P, Erwin PC, **Franco M**, Hammond R, Heuberger B, Kasman M, Luke D, Mazzucca S, Moreland-Russel S, Brownson R. [Toward optimal implementation of cancer prevention and control programs in public health: a study protocol on mis-implementation](#). Implementation Science. 2018;13(1). doi:10.1186/s13012-018-0742-9.

Works in Review or In Preparation
11. Chen, J (*trainee*), Bendavid E, **Franco-Galicia M**. The impact of legal status on the use of health services among agricultural workers in the United States. In-preparation.
12. **Franco-Galicia M,** Unger K, Goldhaber-Fiebert J, Alarid Escudero, F. Health Policy Modeling of Breast Cancer in Mexico: A diagnostic and treatment capacity analysis, In-preparation.
13. **Franco-Galicia M,** Alarid Escudero, F, Owens, D, Salomon, J. Potential Implications of the Braidwood v. Becerra Challenge to the ACA Preventive Services Mandate for Breast Cancer Screening, In preparation.
14. Winn A, Newman Z, Deckard, A, **Franco, M**, Staab, E, Peek, M, Basu A, Clarke, P, Wan W, Huang E, Karter, A, Miller, D, Skandari, R, Moffet, Zhu, M, Liu, J, Laiteerapong, N. Development and Internal Validation of the Multiethnic Type 2 Diabetes Outcomes Model for the U.S. (DOMUS). Under Review.
15. Zimmer, D, Stab, E, Mehra, Geetika, Zhu, M, Ridway, J, Schmitt, J, **Franco, M**. Hunter, S, Laiteerapong, N. Evaluation of a Clinic-Level Intervention to Increase Anxiety and Depression Screening in an Urban HIV Clinic. Under Review.
16. Bianco L (*trainee*), Uranga S (*trainee*), Rodriquez A (*trainee*), Shetty R (*trainee*), Staab E, Deckard A, **Franco-Galicia** M, Thomas N, Wan W, Alexander J, Baig A, Laiteerapong, N. Randomized Controlled Trials of Non-Pharmacological Interventions to Improve Hemoglobin A1C in Hispanic Populations with Type 2 Diabetes: A Systematic Review and Meta-Analysis. Under Review.

Other works that are available
17. [Perinatal Hepatitis B Prevention Program Annual Report 2016](#), Saint Louis County Department of Public Health, Saint. Louis, Missouri

PRESENTATIONS

1. Potential Implications of *Braidwood v. Becerra* Challenge on Preventive Services Mandate for Breast Cancer Screening. Poster presentation for Lee B. Lusted Student Prize Competition at 47th Annual North American Meeting Society for Medical Decision Making (SMDM). June 2025, Ann Arbor, Michigan.
2. Understanding the Impact of Capacity Constraints for Breast Cancer Diagnostic and Treatment in Mexico. Oral Session at 47th Annual North American Meeting Society for Medical Decision Making (SMDM). June 2025, Ann Arbor, Michigan.
3. Mathematical models for cancer decision-making considering healthcare system and access constraints. Oral Session at 2024 INFORMS Annual Meeting. October 2024. Seattle, Washington.
4. The impact of expanding Medicaid to undocumented children in California. Poster Session at AcademyHealth. June 2024, Baltimore, Maryland
5. Health Policy Modeling of Breast Cancer in Mexico: A Diagnostic and Treatment Capacity Constraint Analysis. Poster Session at AcademyHealth. June 2024, Baltimore, Maryland
6. Analysis of a diagnostic and treatment capacity constraint in Mexico: A modeling study. Poster Session at the Annual North American Meeting Society for Medical Decision Making (SMDM). October 2023, Philadelphia, Pennsylvania
7. Health Policy Modeling of Breast Cancer in Mexico: A diagnostic and treatment capacity constraint analysis. Oral Presentation at 2023 INFORMS Annual Meeting. October 2023. Phoenix, Arizona.
8. The impact of legal status on healthcare utilization in agricultural workers in the United States. Lightning talk presentation and poster session at the Annual Data Science Conference. May 2023. Stanford, California
9. The impact of legal status on healthcare utilization in agricultural workers in the United States. Lightning talk presentation and poster session at the Annual Stanford Global Health Research Convening. January 2023. Stanford, California
10. The impact of legal status on healthcare utilization in agricultural workers in the United States. Poster Session at the Annual North American Meeting Society for Medical Decision Making (SMDM). October 2022. Seattle, Washington.
11. Quantifying length of stay barriers to inform an escalation pathway. Oral Presentation at the Quality Improvement & Patient Safety Symposium. 2022 April. Virtual.
12. Effectiveness of Population-Level Depression Screening via a Patient Portal. Oral Session at the Midwest Society of General Internal Medicine (SGIM) Regional Research Meeting. 2020 October. Virtual.
13. Effectiveness of Patient Portal-Based Depression Screening: The PORTAL-Depression Study. Late-Breaking Poster Session at AcademyHealth Annual Meeting. June 2020. Virtual.
14. Implementation of Patient Outcomes Reporting in the Electronic Health Record for Timely Assessment of Life with Depression: PORTAL-Depression. Poster Session at the Center for Chronic Disease Research and Policy Annual Symposium. October 2019. Chicago, Illinois.
15. Implementation of Patient Outcomes Reporting in the Electronic Health Record for Timely Assessment of Life with Depression: PORTAL-Depression. Oral Innovations Sessions at the Midwest Society of General Internal Medicine (SGIM) Regional Research Meeting. September 2019. Minneapolis, Minnesota.
16. Exploring human papillomavirus vaccine completion rates based on state and individual correlates in the United States. Poster session the Brown School Research Without Walls. April 2018. St. Louis, Missouri
17. Cancer clinicians use of expert recommendations for implementation change (ERIC) strategies to improve implementation outcomes. Poster session at the 10th Annual Conference on Science of Dissemination and Implementation. December 2017. Arlington, Virginia
18. Saint Louis County Department of Public Health Perinatal Hepatitis B Prevention Program. Poster session at the Institute for Public Health 10th Annual Conference. October 2017. St. Louis, Missouri.

MENTORSHIP

1. James M. Montoya Frosh and Transfer Mentorship Program Mentor for the 2021-2022, 2022-2023 and 2024-2025 academic year
2. Peer Advisor for the College of Letters and Science Dean's Office, University of California, Davis for the 2012-2013 and 2013-2014 academic year

HONORS AND AWARDS

1. [Lee B. Lusted Award in Outstanding Presentation in Health Services, Outcomes, and Policy Research](#) for "Potential Implication of *Braidwood v. Kennedy* Challenge on Preventive Services Mandate for Breast Cancer Screening" at the 47th Annual Meeting of the Society for Medical Decision Making (SMDM)

2. Poster Award from the *McCoy Family Center for Ethics in Society* for "The impact of legal status on healthcare utilization in agricultural workers in the United States" at 2023 Data Science Conference, Stanford, California
3. ADVANCE 2021 Summer Institute, Stanford University, Stanford, California
4. Master of Public Health Practicum 2018 Student Award for Excellence in Epidemiology and Biostatistics, Washington University in St. Louis, St. Louis, Missouri

EMPHASIZED PROFICIENCIES

Programming: R (proficient), SAS (intermediate), Stata (intermediate), SQL (beginner)
Methodologies: simulation modeling, calibration, decision analysis, causal inference, data science
Languages: English (Proficient: Writing, Speaking, Reading); Spanish (Intermediate: Writing; Proficient: Speaking, Reading)

REFERENCES

Douglas K Owens, MD, MD
Professor, Department Chair, Stanford University
Email: owens@stanford.edu
Dissertation Advisor/Primary Advisor

Joshua Salomon, PhD
Professor, Stanford University
Email: salomon1@stanford.edu
Dissertation Advisor

Fernando Alarid-Escudero, PhD
Assistant Professor, Stanford University
Email: falarid@stanford.edu
Dissertation Advisor

Marissa Reitsma, PhD
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Dissertation Advisor

Neda Laiteerapong, MD, MS
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Former Principal Investigator/Advisor