Stanford

Jiyeong Kim

Postdoctoral Scholar, Dermatology

Bio

BIO

Dr. Jiyeong Kim is a post-doctoral scholar at the Stanford Center for Digital Health and the Department of Dermatology School of Medicine. Dr. Kim is a computational epidemiologist, harnessing patient-and caregiver-generated health information and data to design patient-centered health interventions, which could be tailored to each patient group for improving patient engagement and better health outcomes.

In her work, Dr. Kim uses artificial intelligence, machine learning, and natural language processing to understand patients' and caregivers' genuine voices of care needs and needed support. As a multidisciplinary epidemiologist, Dr. Kim's work focuses on translational health data science, embracing the intersection of mental health and digital health and expanding to patient-provider communications and health disparities among cancer survivors and caregivers of individuals with chronic conditions (e.g., Alzheimer's Disease and Related Dementia).

Research Interest

-LLMs and generative AI to Listen to the Patient

-Generative AI-Assisted Enhanced Patient Care

-ML-based Disease Prediction Modeling

-Digital Mental Health Tools

-Patient-Generated Data and Precision Health

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of California Davis (2023)
- PhD, University of California, Davis , Public Health Sciences (2023)
- MPH, Johns Hopkins Bloomberg School of Public Health , Public Health (2014)
- BPharm, Chung-Ang University , Pharmacy (2007)

STANFORD ADVISORS

- Eleni Linos, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Telehealth Utilization and Associations in the United States During the Third Year of the COVID-19 Pandemic: Population-Based Survey Study in 2022.** *JMIR public health and surveillance*

Kim, J., Cai, Z. R., Chen, M. L., Onyeka, S., Ko, J. M., Linos, E.

2024; 10: e51279

- **Human-AI interaction in skin cancer diagnosis: a systematic review and meta-analysis.** *NPJ digital medicine*

    Krakowski, I., Kim, J., Cai, Z. R., Daneshjou, R., Lapins, J., Eriksson, H., Lykou, A., Linos, E.

    2024; 7 (1): 78

- **Assessment of correctness, content omission, and risk of harm in large language model responses to dermatology continuing medical education questions.** *The Journal of investigative dermatology*

    Cai, Z. R., Chen, M. L., Kim, J., Novoa, R. A., Barnes, L. A., Beam, A., Linos, E.

    2024

- **Prevalence and associations of poor mental health in the third year of COVID-19: U.S. population-based analysis from 2020 to 2022.** *Psychiatry research*

    Kim, J., Linos, E., Rodriguez, C. I., Chen, M. L., Dove, M. S., Keegan, T. H.

    2023; 330: 115622

- **Assessing Biases in Medical Decisions via Clinician and AI Chatbot Responses to Patient Vignettes.** *JAMA network open*

    Kim, J., Cai, Z. R., Chen, M. L., Simard, J. F., Linos, E.

    2023; 6 (10): e2338050

- **Effectiveness of Digital Mental Health Tools to Reduce Depressive and Anxiety Symptoms in Low- and Middle-Income Countries: Systematic Review and Meta-analysis.** *JMIR mental health*

    Kim, J., Aryee, L. M., Bang, H., Prajogo, S., Choi, Y. K., Hoch, J. S., Prado, E. L.

    2023; 10: e43066

- **Impact of COVID-19, cancer survivorship and patient-provider communication on mental health in the US Difference-In-Difference.** *Npj mental health research*

    Kim, J., Linos, E., Dove, M. S., Hoch, J. S., Keegan, T. H.

    2023; 2 (1): 14

- **Cancer survivors with sub-optimal patient-centered communication before and during the early COVID-19 pandemic.** *Patient education and counseling*

    Kim, J., Fairman, N. P., Dove, M. S., Hoch, J. S., Keegan, T. H.

    2023; 115: 107876

- **Factors Associated with Online Patient-Provider Communications Among Cancer Survivors in the United States during COVID: A Cross-Sectional Study.** *JMIR cancer*

    Kim, J., Linos, E., Fishman, D. A., Dove, M. S., Hoch, J. S., Keegan, T. H.

    2023

- **Characterizing risky alcohol use, cigarette smoking, e-cigarette use, and physical inactivity among cancer survivors in the USA-a cross-sectional study** *JOURNAL OF CANCER SURVIVORSHIP*

    Kim, J., Keegan, T. H.

    2022

- **Sociodemographic factors associated with HPV awareness/knowledge and cervical cancer screening behaviors among caregivers in the U.S** *BMC WOMENS HEALTH*

    Kim, J., Dove, M. S., Dang, J. T.

    2022; 22 (1): 335

- **The Rationale for Economic Evaluation in Speech and Language: Cost, Effectiveness, and Cost-effectiveness** *SEMINARS IN SPEECH AND LANGUAGE*

    Hoch, J. S., Smith, B. P., Kim, J., Dewa, C. S.

    2022; 43 (03): 208-217