Children's Hospital of Philadelphia
PolicyLab

Jing Huang
PhD

Associate Director of Observational Research

Jing Huang (she/her) is the associate director of observational research at PolicyLab at Children's Hospital of Philadelphia (CHOP), an assistant professor of biostatistics in the Department of Biostatistics, Epidemiology, and Informatics at the University of Pennsylvania's Perelman School of Medicine, and a senior scholar in the Center for Clinical Epidemiology and Biostatistics at the University of Pennsylvania's Perelman School of Medicine.

Dr. Huang's research focuses on the development of advanced statistical and computational methods for analyzing longitudinal health data to inform health decision-making and disease control policies. Her foundational work in statistical inference has driven the creation of methodologies for analyzing longitudinal and time-series data, addressing real-world challenges in health care and public health. She specializes in interpreting large health care datasets, including electronic health records (EHRs) and claims data, and integrating evidence from multiple databases to advance big data analytics and precision medicine.

Dr. Huang has contributed to key areas such as predictive modeling, trajectory analysis and causal inference. She co-founded the "COVID-Lab: Mapping COVID-19 in Your Community" forecasting model at PolicyLab, which provided county-level predictions of COVID-19 transmission and was used by federal, state, and local authorities for critical pandemic decision-making. This initiative reflects her dedication to developing actionable models that support real-time public health efforts.

As the principal investigator on multiple NIH, CDC and PCORI-funded projects, Dr. Huang has demonstrated a strong track record of leading interdisciplinary collaborations across infectious diseases, health policy and data science. She is committed to advancing innovative and practical solutions that address pressing issues in health care and public health.



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