

Our Team:

The Espinoza Lab at Children's Hospital Los Angeles and the USC Keck School of Medicine focuses on the practical application of data and technology to improve outcomes and reduce health inequities faced by underserved communities in the US and abroad. Our lab has 3 main focus areas:

1. **Clinical Informatics:** interoperability and integration with real-world data, clinical decision support, social determinants of health, geospatial analysis, maturity models
2. **Patient-Generated Health Data:** patient-reported outcomes, wearable devices, mobile applications; focus on diabetes, obesity, asthma, and children with medical complexity.
3. **Medical Devices:** device data standards and integration, real-world evidence, regulatory science, device development, diversity and equity in the MedTech industry

Our research methods span the gamut of our activities: clinical outcomes, technology design, implementation science, regulatory science, and informatics. The goal of the lab is to apply technology and informatics techniques to accelerate innovations in pediatric care. Our work is supported by the National Institute of Child Health and Human Development (NICHD), The National Center for Advancing Translational Sciences (NCATS), The US Food and Drug Administration (FDA), and The California Health Care Foundation.

Who We're Looking for:

Our research group is looking for a highly skilled and motivated postdoctoral research scholar to make leading contributions to our research portfolio. Successful candidates should have strong training and publication records, and must be able to learn and work independently, yet collaborate effectively, with co-workers within the group and with our collaborators. The ideal candidate will be familiar with healthcare informatics, clinical research, social determinants of health, and be able to view research questions through an equity lens. Other relevant skills include experience in human-centered design, computational thinking and design, database management, and geospatial information systems. On the technical side, experience with coding is welcome but not required. Familiarity with common quantitative and qualitative analysis software is expected. Interested candidates may choose to work in one or more of our focus areas, with opportunities to cross-train and explore others. Given the breadth of our activities, we are interested in interviewing candidates who have, or will soon receive, a Ph.D. or equivalent diploma in computer science, informatics, software engineering, biomedical engineering, regulatory science, epidemiology, public health, design innovation, implementation science, or related fields.

Contact:

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Relevant Links:

Dr. Espinoza's bibliography: <https://airtable.com/shrKJQT6qqqQr1ycG/tblveEmMlry9T9BV>

The West Coast Consortium for Technology & Innovation in Pediatrics: www.westcoasttip.org

SC CTSI Clinical Research Informatics Core: <https://sc-ctsi.org/about/groups/clinical-research-informatics>