

Professional Experience

Stanford Center for Population Health Sciences (PHS) - Stanford University, Stanford, Ca. February 2016 – present

Associate Director, Data Core (June 2017 - Present)

Responsibilities:

- Hire, train and supervise PHS staff including data managers/analysts, research assistants and interns.
- Liaise with Stanford provost and other university divisions and departments to design research systems for optimal efficiency, collaboration and inter-disciplinary interaction.
- Lead key data partnerships in the United States and abroad to expand opportunities for data access and collaborative research.
- Acquire large, high value, sensitive datasets for population health research.
- Partner with research engineers to optimize the researcher experience on systems for high risk data.

Accomplishments:

- Founding member of the Stanford Center for Population Health Sciences Data Core which hosts high value, high-risk data for population health research at the Stanford Center for Population Health Sciences.
- Led the team which built the first cloud based data infrastructure for high risk data at Stanford.
- The Stanford data team lead for the Bill and Melinda Gates Foundation ki Grand Challenges in India for maternal and child health. PHS will provide analytic and data support 10 teams who have been selected by the BMGF and the Indian government to address the most pressing issues in maternal and child health.

Manager, Data Core (February 2016 – June 2017)

Responsibilities:

- Hire, train and supervise PHS staff including data managers/analysts, research assistants and interns.
- Ensure both staff and faculty investigators are in compliance with internal and external administrative and regulatory requirements (encryption, CITI, HR/hiring, IRB, FDA).
- Manage the day to day administration and operations for PHS Data Core.

General Medical Disciplines - Stanford University, Stanford, Ca. June 2011 – February 2016

Stanford General Medical Disciplines (GMD) is the largest division within the Stanford School of Medicine and includes 11 sections and over 160 faculty.

Research Manager (April 2012 – February 2016)

Responsibilities:

- Hire, train and supervise GMD research and administrative staff including data managers/analysts, research assistants and interns (10 regular staff and 5-10 interns and students).
- Ensure both staff and faculty investigators are in compliance with internal and external administrative and regulatory requirements (encryption, CITI, HR/hiring, IRB, FDA).

- Manage the day to day HR and general administration and operations for GMD Research Group.
- Manage administration for two R01s. The American Manufacturing Cohort (AMC) Study is the largest occupational cohort in the US. The AMC Research Consortium includes 26 collaborators at 7 institutions. Responsibilities include data acquisition and oversight of data management, grant administration, open access compliance, manuscript preparation and submission.

Accomplishments:

- Built the Stanford Research Registry and research participant outreach program for GMD. This registry includes over 6,000 patients and community members. This resource is available to all Stanford faculty with an IRB approved protocol.
- Acquired CMS microdata (linked with the AMC cohort), HRS restricted data (with genetic information) and many other high value datasets to Stanford for research use.

Responsibilities:

- Supervise GMD research staff including data managers/analysts, research professionals and student research assistants and interns (4 salaried staff and 6-10 interns and students).
- Guide clinician investigators through the research process including study design, statistical analysis plan and instrument design (if needed).
- Guide and assist investigators with internal and external regulatory compliance (CE PI waivers, IRB, FDA).
- Identify and apply for sources of research funding.
- Hire and train Research Assistants in research methods, protocols, chart review, regulatory affairs, assessments and patient visits.
- Teaching Assistant for Med 253 – a research methods course for Med Scholars. We are currently tailoring this curriculum into an online research methods course for Clinician Educators. To date, all projects submitted to Med Scholars by Med 253 students have been funded.
- Manage the day to day administration and operations for two R01s (the AMC Study).

Research Coordinator (June 2011 – March 2012)

- Coordinated research processes for all clinical faculty within GMD.
- Assisted with research study design and execution and drafting of research papers for publication.
- Facilitated collaborations between GMD researchers and insured regulatory compliance for GMD research projects.
- Initiated projects which reduced barriers to research within GMD.
- Assisted with the search and hiring of current GMD research staff.

Division of Nutrition and Toxicology Sciences- UC Berkeley, Berkeley, Ca. January 2011 – May 2011

Graduate Student Instructor

- Responsible for instruction in nutritional science and dietary recommendations for 3 sections (total of 75 students), test preparation, lesson planning, grading, disciplinary and administrative matters related to course instruction.

Atkins Center for Weight and Health- UC Berkeley, Berkeley, Ca. August 2009 – May 2011

Research Assistant

- Prepared documents for IRB submission.
- Coordinated efforts between The Center, collaborators and study participants.
- Worked on the evaluation of the AHG Healthy Schools Program at 72 Schools in the California Central Valley. Performed an analysis comparing self-report of implementation of school wellness policies compared to observed data.
- Assisted with data analysis and drafting of baseline and final report.

Palo Alto VA- (summer internship), Palo Alto, Ca. May – August 2010

Research Internship

- Created a virtual regulatory binder to reduce the administrative burden of study start-up.
- Localized national policies for Palo Alto VA research group.
- Designed curriculum to educate researchers on local policies and procedures.
- Designed website for Palo Alto VA researchers on research compliance and administration policies and procedures.

Division of Neurosurgery - Stanford University, Stanford, Ca. January 2005 – August 2009

Brain Tissue Bank Coordinator

- Managed work-flow and processes for tissue collection and disbursement to scientists within Neurosurgery, Neuropathology and various labs within Stanford doing research on diseases of the brain.
- Coordinated research collaborations between Stanford School of Medicine and outside research organizations.
- Collected, processed and accessioned blood, urine, buccal and CSF from neurosurgery operations.
- Prepared documents for IRB submission.

Division of Nephrology - Stanford University, Stanford, Ca. June 2002 – August 2009

Clinical Research Coordinator

- Clinical Research Coordinator of clinical and medical intervention efficacy trials for various diseases of the kidneys.
- Conducted diagnostic interviews and clinical assessments.
- Drew and processed laboratory samples, administered study medications per protocol.
- Maintained detailed patient medical records and study charts.
- Drafted and managed budgets to ensure that projects were completed within budget and on time.
- Manuscript preparation, editing new protocols and preparing studies for IRB submission.

Kaiser Division of Research (with UCSF Dept. of Epidemiology), Redwood City, Ca. April 2002 – October 2005

Research Assistant

- Identified and recruited subjects.
- Reviewed and collected radiology and pathology reports.
- Conducted interviews and specimen collection (blood and buccal).
- Exceeded recruitment target by over 15%.
- Wrote and edited protocols (for Kaiser).
- Coordinated with hospital staff and lab to insure sensitive and discreet collection of information.

Division of Psychiatry - Stanford University, Stanford, Ca. July 2001-February 2002

Clinical Research Coordinator

- Clinical Research Coordinator of psychopharmacology trials for the treatment of mood disorders.
- Conducted diagnostic interviews, psychological assessments, patient rating scales, and clinical assessments.
- Maintained patient medical records and study charts.
- Additional duties included research, writing and editing new protocols and preparing studies for IRB submission.

Survey Methods Group, San Francisco, Ca. December 1999 – April 2001

Project Associate (June 2000 – April 2001)

- Managed recruits for large quantitative and qualitative public health survey projects.

- Supervised interviewers.
- Coordinated subject recruitment with other organizations and vendors to ensure projects were completed on time, within budget and according to specifications.
- Wrote reports and topline. Designed and managed databases for a number of large quantitative (CATI) and qualitative projects.
- Designed specifications, screeners, and survey instruments for large focus group and one-on-one interview projects.

Project Assistant (December 1999 – June 2000)

- Assisted Client Services Manager with preparing and revising budgets for survey research.
- Assisted in editing and preparation of reports.
- Maintained databases for large projects.
- Coordinated outside recruits to insure they were completed on time and according to specifications.
- Assisted with survey instrument design.
- Responsible for coding and editing for large CATI projects.

Education

MPH Nutrition, University of California, Berkeley, CA 2011

BA English Literature, University of Washington, Seattle, Washington, 1993

Publications and Posters

Publications

1. Lentine, Krista L., Julie Parsonnet, **Isabella Taylor**, Elizabeth M. Wrone, and Richard A. Lafayette. 2006. "Associations of Serologic Markers of Infection and Inflammation with Vascular Disease Events and Mortality in American Dialysis Patients." *Clinical and Experimental Nephrology* 10(1):55–62.
2. Woo, Sang Hoon, Sanchita Bhattacharya, Geraldine Derby, **Isabella Taylor**, Bryan D. Myers, and Richard A. Lafayette. 2012. "A Serum Cytokine Network in Immunoglobulin a Nephropathy." *Nephrology Research & Reviews* 4(1):36–41.
3. Chung, In-Sung, **Isabella Chu**, and Mark R. Cullen. 2012. "Hearing Effects from Intermittent and Continuous Noise Exposure in a Study of Korean Factory Workers and Firefighters." *BMC Public Health* 12(1):87.
4. Ramchandran, Kavitha J., Joseph W. Shega, Jamie Von Roenn, Mark Schumacher, Eytan Szmilowicz, Alfred Rademaker, Bing Bing Weitner, Pooja D. Loftus, **Isabella Chu**, and Sigmund Weitzman. 2013. "A Predictive Model to Identify Hospitalized Cancer Patients at Risk for 30-Day Mortality Based on Admission Criteria via the Electronic Medical Record: Assessment of Mortality Risk Using the EMR." *Cancer* 119(11):2074–80.
5. David, Sean P., Jennifer J. Ware, **Isabella Chu**, Pooja D. Loftus, Paolo Fusar-Poli, Joaquim Radua, Marcus R. Munafò, and John P. A. Ioannidis. 2013. "Potential Reporting Bias in fMRI Studies of the Brain" edited by J. Kilner. *PLoS ONE* 8(7):e70104.
6. Bayer, Felicia J., Deron Galusha, Martin Slade, **Isabella Chu**, Oyebode Taiwo, and Mark R. Cullen. 2014. "Process of Care Compliance Is Associated with Fewer Diabetes Complications." *The American Journal of Managed Care* 20(1):41–52.
7. David, Sean P., **Isabella Chu**, Tim Lancaster, Lindsay F. Stead, A. Eden Evins, and Judith J. Prochaska. 2014. "Systematic Review and Meta-Analysis of Opioid Antagonists for Smoking Cessation." *BMJ Open* 4(3):e004393.

8. Kubo, Jessica, Benjamin A. Goldstein, Linda F. Cantley, Baylah Tessier-Sherman, Deron Galusha, Martin D. Slade, **Isabella Chu**, and Mark R. Cullen. 2014. "Contribution of Health Status and Prevalent Chronic Disease to Individual Risk for Workplace Injury in the Manufacturing Environment." *Occupational and Environmental Medicine* 71(3):159–66.
9. Chi, Jeffrey, John Kugler, **Isabella Chu**, Pooja D. Loftus, Kambria H. Evans, Tomiko Oskotsky, Preetha Basaviah, and Clarence H. Braddock. 2014. "Medical Students and the Electronic Health Record: 'An Epic Use of Time.'" *The American Journal of Medicine* 127(9):891–95.
10. Przybylo, Jennifer A., Ange Wang, Pooja Loftus, Kambria H. Evans, **Isabella Chu**, and Lisa Shieh. 2014. "Smarter Hospital Communication: Secure Smartphone Text Messaging Improves Provider Satisfaction and Perception of Efficacy, Workflow: Secure Texting Improves Hospital Communication." *Journal of Hospital Medicine* 9(9):573–78.
11. Puryear, Lauren, Natalie Downs, Andrea Nevedal, Eleanor T. Lewis, Kelly E. Ormond, Maria Bregendahl, Carlos J. Suarez, Sean P. David, Steven Charlap, **Isabella Chu**, Steven M. Asch, Neda Pakdaman, Sang-ick Chang, Mark R. Cullen, and Latha Palaniappan. 2018. "Patient and Provider Perspectives on the Development of Personalized Medicine: A Mixed-Methods Approach." *Journal of Community Genetics* 9(3):283–91.
12. David, Sean P., Florian Naudet, Jennifer Laude, Joaquim Radua, Paolo Fusar-Poli, **Isabella Chu**, Marcia L. Stefanick, and John P. A. Ioannidis. 2018. "Potential Reporting Bias in Neuroimaging Studies of Sex Differences." *Scientific Reports* 8(1):6082.

* At the time of these publications my name was Isabella Taylor