

JAE DOWNING, PhD MS

Health Researcher | jaecorman@gmail.com | www.jaedowning.com

- Overview & Skills**
- 10+ years of experience designing research, analyzing and collecting data, and presenting results
 - Excellence in synthesizing and communicating data insights for broader application and impact
 - Excels in leading teams end-to-end in the construction of initial research queries, alignment of appropriate study methods, sampling, and design, application of rigorous analyses and triangulation of findings, to providing clear, actionable insights or product recommendations
 - Excellence in programs for statistical analyses (Stata, R) and survey design (Qualtrics, REDCap) and proficiency in data wrangling and management tools (SQL, Github, RStudio)
 - Professor of graduate courses in health economics, cost-effectiveness, & epidemiology
- Positions**
- 2017—Current, **Assistant Professor**, *Oregon Health & Science University*
Leading teams of 3-5 analysts, assistants, and collaborators in the analysis and publication of studies using longitudinal and experimental approaches with large, complex claims data (Medicaid, All-Payer All-Claims, IBM MarketScan); conducting and designing surveys; tailoring communication of findings to lay audiences, as well as experts in local and national settings; raised more than \$1.2 M from federal agencies to support research activities; invited 2-3 times per month to speak about research; teaching courses on epidemiology and health management.
- 2015—2016, **Data Scientist**, *Livongo*
Lead the design and implementation of longitudinal experimental and observational studies to determine impact of real-time 1-on-1 coaching on glucose management; delivered results and product implications to product managers and data engineers; built a pipeline to wrangle claims, clinical, and product data using SQL and R; published in peer-reviewed journals.
- 2013—2015, **Health Researcher**, *University of California, Berkeley*
Lead the design of longitudinal studies with electronic health records from 1.5M Kaiser Permanente Northern California members over a 10-year period; geocoded foreclosure deed records and supermarket databases using Python and ArcGIS and merged with electronic health records of members; won award from high impact peer-reviewed journal for best paper of the year; presented results to Kaiser Permanente and local stakeholders
- 2010—2013, **Health Economics Analyst**, *University of California, San Francisco*
Lead the design and implementation of a cost-effectiveness analyses of a cluster-randomized trial of a maternal health intervention; performed time-motion studies on site in Zambia; delivered results and recommendations to stakeholders; published peer review articles; taught courses on health economics and cost-effectiveness analysis to graduate students and faculty.
- 2008—2009, **Small Business Development Technical Adviser**, *United States Peace Corps*
Lead several trainings on marketing and accounting to groups of 10-25 small business owners by working with the Ministry of Artisans; developed proficiency in local language (Tashlheet)
- 2006—2007, **Finance & Operations Associate**, *Pricewaterhouse Coopers*
Developed financial disclosure processes for two large government clients; reviewed complex investment portfolios from 800+ international leaders for compliance with conflict of interests
- Education**
- Post-doc, *Population Health*, University of California, Berkeley (2015-2016)
PhD, *Health Services and Policy Analysis*, University of California, Berkeley (2015)
MS, *Global Health Economics*, University of California, San Francisco (2011)
BS, *Finance*, University of Maryland (2006)

Relevant Publications

- Downing, Jae, Jenna Bollyky, and Jennifer Schneider. "Use of a connected glucose meter and certified diabetes educator coaching to decrease the likelihood of abnormal blood glucose excursions: the Livongo for Diabetes Program." *Journal of medical Internet research* 19.7 (2017): e234.
 - Downing, Jae. "Implementation of a Pelvic Floor Physical Therapy Program for Transgender Women Undergoing Gender-Affirming Vaginoplasty." *Obstetrics & Gynecology* 134.5 (2019): 1114.
 - Downing, Jae, et al. "Cost-effectiveness of the non-pneumatic anti-shock garment (NASG): evidence from a cluster randomized controlled trial in Zambia and Zimbabwe." *BMC health services research* 15.1 (2015): 1-10.
- For a full list of 25+ peer-reviewed publications, please refer to my Google Scholar profile:
https://scholar.google.com/citations?user=AS_VpMQAAAAJ&hl=en&authuser=1