

JESSICA BING YING POON
Curriculum Vitae
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EDUCATION

- University of California, Berkeley** **2015 - Present**
PhD, Health Policy Program, Organization and Management Track
Dissertation: Multilevel Pathways to Patient-Centered Care
Dissertation Committee: Stephen Shortell (chair), Hector Rodriguez, Maya Petersen
- University of California, Berkeley (GPA 3.5)** **2006 - 2011**
BA, Department of Integrative Biology with Honors
BA, Department of Philosophy
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RESEARCH

- Center for Healthcare Organizational and Innovation Research at UC Berkeley**
Graduate Student Researcher **2015 - Present**
- Plan and conduct analyses for research on patient-centered care using multivariable regression, hierarchical linear models, propensity score matching, cross-lagged panel models, structural equation models, etc.
 - Analyses were conducted in the context of large multilevel datasets. This includes using the NSPO national longitudinal data on physician organizations to examine organizational factors in patient-centeredness, the CHIRP collaborative data on healthcare systems, practices and hospitals to examine the use of patient engagement initiatives, the BRFSS national repeated cross-sectional data on patients to examine the CMS SIM initiative, and the ACTIVATE study data on patients, practices and team members at 16 practice sites within 2 large accountable care organizations to examine psychosocial dynamics in patient-centered care.
 - Prepare manuscripts which has resulted in 3 published papers, 3 poster presentations, and 5 podium presentations including 1 conference plenary.
- Health Outcomes Group at Memorial Sloan Kettering Cancer Center**
Consultant **2016**
- Developed a novel semi-parametric method for assessing longitudinal performance.
 - Observed patient-physician communications in treatment decisions.
- Data Analyst** **2012 - 2015**
- Planned and conducted analyses for research to support clinical decision-making using multivariable regression, decision curve analysis, multiple imputation, stepwise model selection, etc.
 - Analyses were conducted in the context of diverse data sources. This included patient surveys, clinical data, chart review data, imaging data, and national registries.
 - Prepare manuscripts which has resulted in 13 published papers.
 - Tutored medical fellows in the application and interpretation of statistical methods.
 - Led a team of 8 programmers to design, implement and manage a quality assurance system for surgeons.
 - Provided interdepartmental consulting on EHR design, data management, and workflow changes.
- Lacey Lab at UC Berkeley**
Undergraduate Research Assistant **2010 - 2011**
- Developed a study of risk behavior, ran trials, and performed analyses.

TEACHING

Center for Healthcare Organizational and Innovation Research at UC Berkeley

Mentor

2018 - Present

- Tutor an undergraduate student on developing research questions, evaluating statistical methods, conducting literature reviews, and managing a research project.

Organizational Behavior and Management in Health Care at UC Berkeley

Graduate Student Instructor

2017 - 2018

- Wrote weekly reports on course concepts for classes of 28 to 68 MBA, MPH, and MPP students.
- Contributed readings and helped develop assignment questions for course update.
- Graded assignments and provided comprehensive commentary to ground course concepts in students' personal applications, clarify ethical considerations, and supplement course materials.

Stem Cell and Society at UC Berkeley

Assistant Facilitator

2007 - 2008

- Planned and led undergraduate student discussions of stem cell science, ethics and policy.

SERVICE

School of Public Health Student Government

Policy Advisory Council

2018 - Present

Health Policy Program Student Representative

2018 - Present

Health Policy Program

Executive Committee

2018

Social Committee

2016 - 2018

AWARDS

Graduate Division at UC Berkeley

Outstanding Graduate Student Instructor Award

2019

Agency for Healthcare Research and Quality

T32 Training Grant

2017 - 2018

T32 Training Grant

2015 - 2016

Patient-Centered Outcomes Research Institute

Trainee Scholarship

2017

INVITED SPEAKING ENGAGEMENTS

School of Public Health at UC Berkeley

Advisory Panel at Student Visit Day

2019

Beyond Academia at UC Berkeley

Advisory Panel at What I Wish I Did in Grad School

2018

School of Public Health at UC Berkeley

MC at Orientation Day

2017

PUBLICATIONS

1. Rodriguez HP, **Poon BY**, Wang E, Shortell SM. Linking Patient Engagement and Relational Coordination to Patient-Reported Outcomes in Primary Care Practices of Accountable Care Organizations. *Milbank Quarterly*. Accepted.
2. Ghanaat M, Winer AG, Sjoberg DD, **Poon BY**, et al. Comparison of Post-Radical Cystectomy Ileus Rates Using GIA-80 versus GIA-60 Intestinal Stapler Device. *Urology*. 2018 Dec.
3. **Poon BY**, Shortell SM, Rodriguez HP. Physician Practice Transitions to System Ownership Do Not Result in Diminished Practice Responsiveness to Patients. *Health Services Research*. 2017 Nov.
4. Thong AE, **Poon BY**, Lee JK, Vertosick E, Sjoberg DD, Vickers AJ, Ehdaie B. Concordance between patient-reported and physician-reported sexual function after radical prostatectomy. *Urologic Oncology*. 2017 Oct.
5. Sjoberg DD, Vickers AJ, Assel M, Dahlin A, Carlsson S, **Poon BY**, et al. Risk of prostate-cancer death at 20 years stratified by midlife PSA and a panel of four kallikrein markers from a representative cohort of 11,506 healthy unscreened men aged 45-74. *European Urology Supplements*. 2017 Mar.
6. Shortell SM, **Poon BY**, Ramsay PP, Rodriguez HP, Ivey SL, Huber T, et al. A Multilevel Analysis of Patient Engagement and Patient-Reported Outcomes in Primary Care Practices of Accountable Care Organizations. *J Gen Intern Med*. 2017 Feb.
7. Zelefsky MJ, **Poon BY**, Eastham J, Vickers A, Pei X, Scardino PT. Longitudinal assessment of quality of life after surgery, conformal brachytherapy, and intensity-modulated radiation therapy for prostate cancer. *Radiotherapy and Oncology*. 2016 Jan.
8. Satasivam P, **Poon BY**, Ehdaie B, Vickers AJ, Eastham JA. Can Confirmatory Biopsy be Omitted in Patients with Prostate Cancer Favorable Diagnostic Features on Active Surveillance? *The Journal of Urology*. 2016 Jan.
9. Spaliviero M, **Poon BY**, Karlo CA, Guglielmetti GB, Di Paolo PL, Beluco Corradi R, et al. An Arterial Based Complexity (ABC) Scoring System to Assess the Morbidity Profile of Partial Nephrectomy. *European Urology*. 2016 Jan.
10. Gerdtsson A, **Poon BY**, Thorek DL, Mucci LA, Evans MJ, Scardino P, et al. Anthropometric Measures at Multiple Times Throughout Life and Prostate Cancer Diagnosis, Metastasis, and Death. *European Urology*. 2015 Dec.
11. Ehdaie B, **Poon BY**, Sjoberg DD, Recabal P, Laudone V, Touijer K, et al. Variation in serum prostate-specific antigen levels in men with prostate cancer managed with active surveillance. *BJU Int*. 2015 Sep.
12. Spaliviero M, **Poon BY**, Aras O, Paolo PLD, Guglielmetti GB, Coleman CZ, et al. Interobserver variability of R.E.N.A.L., PADUA, and centrality index nephrometry score systems. *World J Urol*. 2015 Jun.
13. Gondo T, **Poon BY**, Matsumoto K, Bernstein M, Sjoberg DD, Eastham JA. Clinical role of pathological downgrading after radical prostatectomy in patients with biopsy confirmed Gleason score 3 + 4 prostate cancer. *BJU Int*. 2015 Jan.
14. Spaliviero M, Dalbagni G, Bochner BH, **Poon BY**, Huang H, Al-Ahmadie HA, et al. Clinical Outcome of Patients with T1 Micropapillary Urothelial Carcinoma of the Bladder. *The Journal of Urology*. 2014 Sep.
15. Vertosick EA, **Poon BY**, Vickers AJ. Relative value of race, family history and prostate specific antigen as indications for early initiation of prostate cancer screening. *The Journal of Urology*. 2014 Sep.
16. Hong SK, **Poon BY**, Sjoberg DD, Scardino PT, Eastham JA. Prostate size and adverse pathologic features in men undergoing radical prostatectomy. *Urology*. 2014 Jul.

POSTER PRESENTATIONS

- Poon BY**, Shortell SM, Rodriguez HP. Pathways to Shared Decision-Making for Adult Patients with Diabetes and Cardiovascular Disease. *AcademyHealth Annual Research Meeting*. 2018 June.
- Rodriguez HP, **Poon BY**, Fulton B, Wang E, Bibi S. The Early Impact of the CMS State Innovation Model Initiative on Alcohol Misuse and Tobacco Use Among Adults with Diabetes. *AcademyHealth Annual Research Meeting*. 2018 June.
- Shortell SM, **Poon BY**, Ramsay PP, Rodriguez HP, Ivey SL, Huber T, et al. Patient Engagement Innovations and Patient-Reported Outcomes of Care for Chronic Disease Patients in Two Large ACOs. *AcademyHealth Annual Research Meeting*. 2016 June.

PODIUM PRESENTATIONS

Poon BY, Shortell SM, Rodriguez HP. Pathways to Patient Engagement. *NRSA Research Trainees Conference - Plenary*. 2018 June.

Rodriguez HP, **Poon BY**, Wang E, Shortell SM. The Impact of Patient Engagement and Relational Coordination on Improved Patient-Centered Outcomes of Care in ACO-Affiliated Practices. *AcademyHealth Annual Research Meeting*. 2018 June.

Poon BY, Rodriguez HP, Shortell SM. Communication and Participation: Patients as Team Members. *School of Nursing and the Samuel Merritt University Community Learning Series*. 2017 June.

Poon BY, Rodriguez HP, Shortell SM. The Influence of Team Participation and Relational Coordination on Patients' Experience of Chronic Illness Care in Primary Care Practices of ACOs. *AcademyHealth Annual Research Meeting*. 2017 June.

Poon BY, Shortell SM, Rodriguez HP. Are Medical Practices Owned by Health Care Systems Less Patient-Centered than Practices Owned by Physicians? *NRSA Research Trainees Conference*. 2016 June.

EDUCATION DETAILS

Graduate Division Methods Coursework at UC Berkeley

Multivariate Statistics

Survey Methods

Discrete Choice Analysis

Benefit-Cost Analysis

Hierarchical and Longitudinal Modeling

Causal Inference

Interuniversity Consortium for Political and Social Research

2018

Machine Learning

AcademyHealth

2018

Complex Interventions and Real World Applications

Patient-Centered Outcomes Research Institute

2017

Delivering Results, Informing Choices

AcademyHealth

2016

New Strategies to Solve Analytic Challenges in Health Services Research

New York University

2014

Micro-Economics

Macro-Economics

Society for Medical Decision Making

2013

Shared Decision Making and Patient Decision Aids

Measuring Patient and Physician Preferences

HOBBIES

Singing, boxing, art, improv, comedy, snowboarding, language learning: English (fluent), Stata (fluent), Python (conversational), Cantonese (conversational), Mandarin (conversational), Spanish (beginner), French (beginner), Swahili (beginner), German (beginner).