

## CURRICULUM VITAE

PETER F. LYU

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### CONTACT

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### EDUCATION

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Expected 2022	PhD	Health Policy (Methods for Policy Research Track) <i>Dissertation Title:</i> Strategic Behavior Among Provider Organizations in Risk-Sharing Contracts <i>Dissertation Committee:</i> <ul style="list-style-type: none"><li>• J. Michael McWilliams (chair)</li><li>• David Cutler</li><li>• Michael Chernew</li><li>• Alan Zaslavsky</li></ul>	Harvard University
2014	MSPH	Health Policy and Health Services Research	Emory University
2012	BSPH	Health Policy and Management (Minor in Chemistry)	University of North Carolina at Chapel Hill

### PROFESSIONAL EXPERIENCE

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2017 – 2020	Doctoral Researcher	National Bureau of Economic Research (NBER) and Harvard Medical School (HMS)
2014 – 2016	Project Manager	Emory Healthcare, Emory Critical Care Center
2012 – 2014	Graduate Research Assistant	Emory University, Rollins School of Public Health
2013	Product Development Intern	National Committee for Quality Assurance (NCQA)
2012 – 2013	Research and Demonstrations Assistant	North Carolina Department of Health and Human Services, Office of Rural Health and Community Care

### TEACHING EXPERIENCE

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2018 – 2019	Head Teaching Fellow for Ashish Jha and Anupam Jena The Quality of Health Care in America (GHHP 50), Harvard University
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## GRANTS & FELLOWSHIPS

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2021 – 2022	Dissertation Completion Fellowship	Harvard University Graduate School of Arts and Sciences
2020 – 2021	R36 Dissertation Grant (PI) (R36HS27531)	Agency for Healthcare Research and Quality
2016 – 2018	National Research Service Award T32 Program (Trainee)	Agency for Healthcare Research and Quality
2018	Pre-Dissertation Summer Fellowship	Harvard University Graduate School of Arts and Sciences

## AWARDS & HONORS

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2018	High Pass on the PhD in Health Policy General Exam, Harvard University
2015	Best Poster Presentation, Emory School of Medicine Division of Pulmonology, Allergy, Critical Care and Sleep Medicine
2014	Charles C. Shepard Award for most scholarly research paper, Emory University Rollins School of Public Health
2013	Member, Delta Omega Honorary Society
2012	Boisfeuillet Jones Scholarship, Emory University Rollins School of Public Health
2012	HPM Undergraduate Award for Excellence in Research, University of North Carolina Gillings School of Global Public Health
2012	Highest Honors for Thesis Excellence and High GPA, University of North Carolina
2012	Graduated with Distinction, University of North Carolina
2008	Class of 2012 Distinguished Scholarship, University of North Carolina
2008	Honors Program, University of North Carolina

## PEER-REVIEWED PUBLICATIONS

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1. **Lyu PF**, Chernew ME, McWilliams JM (2021). Soft Consolidation In Medicare ACOs: Potential For Higher Prices Without Mergers Or Acquisitions. *Health Affairs*, 40(6), 979-988.
2. Holder AL, Overton E, **Lyu P**, Kempker JA, Nemati S, Razmi F, Martin GS, Buchman TG, Murphy DJ (2017). Serial Daily Organ Failure Assessment Beyond ICU Day 5 Does Not Independently Add Precision to ICU Risk-of-Death Prediction. *Crit Care Med*, 45(12), 2014-22.

3. Sudduth CL, Overton EC, **Lyu PF**, Rimawi RH, Buchman TG (2017). Filtering authentic sepsis arising in the ICU using administrative codes coupled to a SIRS screening protocol. *J Crit Care*, 39(June), 220-224.
4. **Lyu PF**, Hockenberry JM, Gaydos LM, Howard DH, Buchman TG, Murphy DJ (2016). Impact of a Sequential Intervention on Albumin Utilization in Critical Care. *Crit Care Med*, 44(7), 1307-13.
5. Murphy DJ, **Lyu PF**, Gregg SR, Martin GS, Hockenberry JM, Coopersmith CM, Sterling M, Buchman TG, Sevransky J (2016). Using Incentives to Improve Resource Utilization: A Quasi-Experimental Evaluation of an ICU Quality Improvement Program. *Crit Care Med*, 44(1), 162-70.
6. **Lyu PF**, Murphy DJ (2014). Economics of fluid therapy in critically ill patients. *Curr Opin Crit Care*, 20(4), 402-407.

## RESEARCH IN PROGRESS

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1. Regionalized benchmarking and selection in risk-sharing payment models.
2. Patient flows for inpatient and specialty care in Medicare ACOs.
3. Outside the safety zone: examining specialty market shares through ACO and ownership lenses.

## RESEARCH PRESENTATIONS

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| 2021 | Academy Health 2021 Annual Research Meeting. Virtual meeting. <ul style="list-style-type: none"> <li>• Soft Consolidation In Medicare ACOs: Potential For Higher Prices Without Mergers Or Acquisitions (podium presentation)</li> </ul>  |
| 2021 | 10 <sup>th</sup> Annual Conference of the American Society of Health Economists. Virtual meeting. <ul style="list-style-type: none"> <li>• Soft Consolidation In Medicare ACOs: Potential For Higher Prices Without Mergers Or Acquisitions (podium presentation)</li> </ul>  |
| 2021 | 27 <sup>th</sup> Annual AHRQ NRSA Trainees Research Conference. Virtual meeting. <ul style="list-style-type: none"> <li>• Soft Consolidation In Medicare ACOs: Potential For Higher Prices Without Mergers Or Acquisitions (podium presentation)</li> </ul>   |
| 2020 | Academy Health 2020 Annual Research Meeting. Boston, MA. In-person meeting cancelled due to COVID-19 pandemic. <ul style="list-style-type: none"> <li>• Medicare ACOs, Dominant Entities, and Selection Patterns (accepted poster abstract)</li> </ul>  |
| 2020 | 9 <sup>th</sup> Annual Conference of the American Society of Health Economists. St. Louis, MO. In-person meeting cancelled due to COVID-19 pandemic. <ul style="list-style-type: none"> <li>• Are Risk-Sharing Contracts Risky for Competition? Examining the Effect of Medicare ACOs on Referrals and Commercial Prices (accepted session abstract)</li> <li>• Strategic Selection in Medicare ACOs: Incentives, Information, and Action (accepted poster abstract)</li> </ul> |
| 2020 | 26 <sup>th</sup> Annual AHRQ NRSA Trainees Research Meeting. Boston, MA. In-person meeting cancelled due to COVID-19 pandemic.  |

- Dominant Entities and Selection Patterns in Medicare ACOs (accepted abstract)
- 2019 8<sup>th</sup> Annual Conference of the American Society of Health Economists. Washington, DC.
- Health systems and efficient matching of patients to hospitals (poster)
- 2015 2<sup>nd</sup> Annual Advancing Healthcare Quality Research at Emory University Conference. Atlanta, GA.
- Impact of a Sequential Intervention on Albumin Utilization in Critical Care: A Quasi-Experimental Study (poster)
- 2015 Emory University School of Medicine's 11<sup>th</sup> Annual Division of Pulmonary, Allergy, Critical Care and Sleep Medicine Research Symposium. Atlanta, GA.
- Impact of a Sequential Intervention on Albumin Utilization in Critical Care: A Quasi-Experimental Study (poster)
- 2014 Rollins School of Public Health's Shepard Award Symposium. Atlanta, GA.
- Impact of a Sequential Intervention on Albumin Utilization in Critical Care: A Quasi-Experimental Study (podium presentation)
- 2014 Georgia Public Health Association's 85<sup>th</sup> Annual Meeting. Atlanta, GA.
- Impact of a Sequential Intervention on Albumin Utilization in Critical Care: A Quasi-Experimental Study (poster)
- 2012 North Carolina Primary Care Conference. Asheville, NC.
- A Multiple-Case Study on Community Health Networks' Impact on the Health of the Uninsured and How Networks May Change After Health Reform Insurance Coverage Expansion (podium presentation)

## OTHER RESEARCH WORK

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1. Gallagher J, Lyu P, Patel D, Caridi-Scheible M, Grenda D, Blum J, Paciullo CA (2016). Analysis of the safety of adjunctive continuous infusion ketamine for maintenance sedation in critically ill patients. ACCP Annual Meeting Scientific Abstracts in *Pharmacotherapy*, 36(12), e219.
  - Assisted faculty at the Emory University School of Medicine in planning study design and statistical analysis
2. A Multiple-Case Study of Community Health Networks' Impact on the Health of the Uninsured and How Networks May Change After Health Reform Insurance Coverage Expansion (2012). Independent undergraduate thesis research.
  - Collected primary data through subject interviews to qualitatively study the impact of state-funded community health networks (the HealthNet program) on uninsured individuals in North Carolina
  - Supported on-going ROI research at the North Carolina Office of Rural Health, discussed potential health care reform implications, and helped shape strategy and funding for new and developing HealthNet networks

## PROFESSIONAL MEMBERSHIPS & SERVICE

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AcademyHealth

American Society for Health Economists

Research Group on Tackling Low-Value Care in Vulnerable Populations, AcademyHealth and ABIM Foundation (2018)

Ad Hoc Reviewer

- *Healthcare: The Journal of Delivery Science and Innovation*
- *International Journal of Health Economics and Management*

## PROGRAMMING & SOFTWARE SKILLS

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R, SAS, Stata, SQL, TreeAge, NVivo, QGIS, GitHub ([www.github.com/petelyu](http://www.github.com/petelyu)), Linux, HTML, web development ([www.peterlyu.me](http://www.peterlyu.me)), Microsoft Office