

Kole Reddig

Contact Information

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Education

Tepper School of Business, Carnegie Mellon University	Pittsburgh, PA
Ph.D. Economics (Minor in Marketing)	2020 (expected)
Tepper School of Business, Carnegie Mellon University	Pittsburgh, PA
M.S. Economics	2017
George Mason University	Fairfax, VA
B.S. Economics and Mathematics	2014
<i>summa cum laude</i> , Honors in Mathematics	

Fields of Interest

Health Economics, Industrial Organization, and Applied Microeconomics.

Working Papers

“Participation and Performance in Accountable Care Organizations”

Abstract: Medicare’s Accountable Care Organizations (ACOs) are groups of health care providers that are given incentive pay for reducing expenditure and providing high-quality care. In this paper, I build and estimate a structural model of ACOs to evaluate payment contracts offered by Medicare. The model, complicated by voluntary participation in the incentive program and by possible free-riding among providers, has two stages. First, Medicare providers choose which, if any, ACO to join based on the characteristics of an ACO and the net income they expect to earn from participating in that ACO. Next, given participation in an ACO, providers strategically choose their efforts to put towards ACO savings and quality in order to maximize their payoff, hence determining overall ACO performance and the net income from participating. The model is estimated with public ACO-level performance and participation data. I find that existing contracts between Medicare and ACOs are too strong: under current law, ACOs can earn up to 75% of monetary savings as incentive pay; the optimal amount is between 40% and 50%. If every ACO is required to pay money back to Medicare when they spend too much, the cost-savings of the incentive program increases by 352%, though ACO quality scores decrease significantly, due to an empirically identified savings-quality trade-off. The final counterfactual shows that over \$1 billion in program savings is lost per year due to free-riding within ACOs.

Works in Progress

“Spillovers between Medicare and Medicaid: Evidence from the Supply-Side and Payment Parity”

Conference Presentations

2019: ASHEcon (Washington D.C.), IIOC Rising Stars Session (Boston), H2D2 Research Day (University of Michigan)

2018: Southeastern Health Economics Study Group Conference (Atlanta)

Teaching Experience

Instructor

Regression Analysis (Undergraduate), Summer 2017

Overall teaching evaluation: 4.7/5.0 (100% of students responding)

Teaching Assistant

Regression Analysis (Undergraduate), Spring 2016, Fall 2016, Fall 2017, Fall 2018, Fall 2019

Statistical Decision Making (MBA), Spring 2017, Spring 2018, Spring 2019

Economic Principles of Policy Analysis (Masters), Spring 2018

Microeconomics I (Ph.D.), Fall 2015, Fall 2016

Microeconomics II (Ph.D.), Fall 2015

Other Experience

Research Assistant for Prof. Rebecca Lessem, Spring 2019

Research Assistant for Prof. Karam Kang, Spring 2016, Spring 2017

Selected Awards and Honors

William Larimer Mellon Fellowship	2014-2018
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Tepper School of Business, Carnegie Mellon University	
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Phi Beta Kappa	2014
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George Mason University	
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First Place, Physical Sciences Undergraduate Research Colloquium	2014
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College of Science, George Mason University	
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Outstanding Academic Achievement Award	2014
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Department of Economics, George Mason University	
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Other

Computer Skills: Matlab, Stata, Python, R, Eviews, SAS, L^AT_EX, Microsoft Office

Citizenship: United States