

## WILLIAM C. JOHNSON, PH.D.

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Citizenship: USA

### Professional Experience:

Senior Researcher, Health Care Cost Institute

2017 – Present

### Education:

Ph.D. Economics, University of Virginia

2017

Dissertation: “Essays on the Effects of Health Insurer and Health Care Provider Organization on Patient Treatments”

M.A. Economics, University of Virginia

2013

B.A. Mathematics, Economics, Washington and Lee University

2012

### Peer Reviewed Publications:

- “[Sources of Geographic Variation in Health Care Spending and Utilization Among Individuals with Employer Sponsored Insurance](#),” 2020, with Jean Fuglesten Biniek, *Medical Care Research & Review*, Available Online
- “[Out-of-Network Spending Mostly Declined in Privately Insured Populations With A Few Notable Exceptions From 2008-2016](#),” 2020, with Zirui Song, Jacob Wallace, Jean Fuglesten Biniek, and Kevin Kennedy, *Health Affairs*, 39(6): 1032-1041.
- “[Comparing Different Methods for Indexing Commercial Health Care Prices](#),” with Kevin Kennedy, 2020, *Health Services Research*, 55(1): 113-118.
- “[Variation in Mental Illness and Provision of Public Services](#),” with Michael LaForest, Brett Lissenden, Steven Stern, 2017, *Health Services and Outcomes Research Methodology*, 17:1-30.

### Other Publications:

- “[Comparing Commercial and Medicare Professional Service Prices](#),” with Daniel Kurowski, Kevin Kennedy, Aaron Bloshchik, Elianna Clayton, and Jean Fuglesten Biniek, Health Care Cost Institute, *HCCI Original*, June 2020
- “[Out-of-Network Spending: Why Growing Attention is Focused on a Small Share of Total Medical Spending](#),” with Kevin Kennedy, Jean Fuglesten Biniek, Zirui Song, and Jacob Wallace, *Health Affairs Blog*, June 2020
- “[Understanding Variation in Childbirth Costs Among the Commercially Insured](#),” with Anna Milewski, Katie Martin, and Elianna Clayton, Health Care Cost Institute, *HCCI Original*, May 2020
- “[What if Price Transparency Reduced Commercial Price Variation?](#),” with Kevin Kennedy, Health Care Cost Institute, *HCCI Original*, January 2020
- “[Antidepressant Use Increased for Individuals with a Mood Disorder with Employer-Sponsored Insurance](#),” with Aaron Bloshchik and Anna Milewski, Health Care Cost Institute, *HealthyBytes Blog*, October 2019
- “[Healthy Marketplace Index: Hospital Concentration Index](#),” with Kevin Kennedy, Sally Rodriguez, John Hargraves, Niall Brennan, Health Care Cost Institute, *Healthy Marketplace Index Report*, September 2019
- “[Insulin Use Explains Variation in Level, but not Growth, of Out-of-Pocket Spending on Insulin Products](#),” with Jean Fuglesten Biniek, Health Care Cost Institute, *HealthyBytes Blog*, September 2019
- “[Rising Point-of-Sale Prices for Insulin Correspond with Higher Out-of-Pocket Spending on Insulin in January](#),” with Jean Fuglesten Biniek, Health Care Cost Institute, *HealthyBytes Blog*, September 2019
- “[Out-of-Pocket Spending on Insulin is Highest at the Beginning of the Year](#),” with Jean Fuglesten Biniek, Health Care Cost Institute, *HealthyBytes Blog*, September 2019
- “[Lower Health Care Spending and Use for People with Chronic Conditions in Consumer-Directed Health Plans](#),” with Anna Milewski, Health Care Cost Institute, *Issue Brief*, May 2019

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- [“Past the Price Index: Exploring Actual Prices Paid for Specific Services by Metro Area,”](#) with Kevin Kennedy, Sally Rodriguez, Niall Brennan, Health Care Cost Institute, *HealthyBytes Blog*, April 2019
- [“Surprise out-of-network medical bills during in-network hospital admissions varied by state and medical specialty, 2016,”](#) with Kevin Kennedy, and Jean Fuglesten Biniek, Health Care Cost Institute, *HealthyBytes Blog*, March 2019
- [“Healthy Marketplace Index: Comparing Price and Use Indices,”](#) with Kevin Kennedy, Sally Rodriguez, John Hargraves, Niall Brennan, Health Care Cost Institute, *Healthy Marketplace Index Report*, March 2019
- [“Healthy Marketplace Index: Use Index,”](#) with Kevin Kennedy, Sally Rodriguez, John Hargraves, Niall Brennan, Health Care Cost Institute, *Healthy Marketplace Index Report*, March 2019
- [“Spending on Individuals with Type 1 Diabetes and the Role of Rapidly Increasing Insulin Prices,”](#) with Jean Fuglesten Biniek, Health Care Cost Institute, *Issue Brief*, January 2019
- [“The Healthy Marketplace Index: Furthering Transparency to Improve our Understanding of Commercial Healthcare Markets Across the Country,”](#) with Kevin Kennedy, Niall Brennan, and Sally Rodriguez, *Academy Health Blog*, November 2018
- [“Understanding how price growth affected areas differently across the country,”](#) with Kevin Kennedy, Health Care Cost Institute, *HealthyBytes Blog*, October 2018
- [“Healthy Marketplace Index: Price Index,”](#) with Kevin Kennedy, Sally Rodriguez, John Hargraves, Niall Brennan, Health Care Cost Institute, *Healthy Marketplace Index Report*, October 2018
- [“The Rising Cost of Specialty Drugs Drove Spending Increases for People with Multiple Sclerosis,”](#) Health Care Cost Institute, *Issue Brief*, April 2018.
- [“Under Pressure – Adults with Hypertension are Spending Increasingly More on Health Care,”](#) with Dan Fulop, Sally Rodriguez, Health Care Cost Institute, *Issue Brief*, March 2018
- [“Top Spenders Among the Commercially Insured Increased Spending Concentration and Consistent Turnover from 2013 to 2015,”](#) with Sally Rodriguez, Health Care Cost Institute, *Issue Brief*, February 2018
- [“Consistently High Turnover in the Group of Top Health Care Spenders,”](#) with Niall Brennan, Sally Rodriguez, John Hargraves, *New England Journal of Medicine Catalyst*, February 2018

### Working Papers:

- “Different Growths for Different Folks? Geographic Variation in Health Care Price Growth Among the Commercially Insured,” 2020, with Kevin Kennedy
- “Pharmacy claims data show flat growth in long-acting insulin prices following entry of competitor product”, 2020, with Jean Fuglesten Biniek and Elianna Clayton
- “Understanding Variation in Place Specific Effects on Individual Medical Spending,” 2020, with Jean Fuglesten Biniek
- “Does Health Insurer Competition Increase the Use of Costly Treatments?”, 2017

### Selected Awards:

- Finalist, Kantar Media, Information is Beautiful Award: Humanitarian, 2019
- Finalist, National Institute of Health Care Management, Digital Media Award, 2019
- Winner, Infographic Award, National Association of Health Data Organization (NAHDO) Annual Conference, Park City, UT, 2018
- Snively Dissertation Proposal Prize, University of Virginia, 2015
- Excellence in Graduate Teaching, University of Virginia, Spring 2014

### Invited Presentations:

- 2020: Academy Health Annual Research Meeting; American Society of Health Economists Annual Conference (Cancelled); Congressional Budget Office

## **WILLIAM C. JOHNSON, PH.D.**

- 2019: Academy Health Annual Research Meeting; American Society of Health Economists Annual Conference; Foundation for Research on Equal Opportunity (Washington, DC)
- 2017: Analysis Group (Boston, MA); Bates White Economic Consulting; Food and Drug Administration Center for Drug Evaluation and Research; Southern Economic Conference (Discussant); University of Virginia Graduate Economic Alumni Conference (Co-Founder, Co-Organizer)
- 2015: Virginia Senate Joint Subcommittee on Mental Health (with Brett Lissenden and Steven Stern)

### **Awarded Grants:**

- “Continuing Development and Implementation of the Healthy Marketplace Index to Facilitate Reliable Reporting on the Health Care Market's Performance,” Robert Wood Johnson Foundation (I.D.: 77057); Principal Investigator: William C. Johnson; Total Cost: \$470,534; Total Project Period: 12/01/2019 - 11/30/2020
- “Continuing the Healthy Marketplace Index,” Robert Wood Johnson Foundation (I.D.: 75321); Principal Investigators: William C. Johnson, Niall Brennan; Total Cost: \$350,000; Total Project Period: 03/01/2018 - 10/01/2019

### **Skills:**

Statistical Programming: Matlab, Python, R, SAS, STATA, SQL  
Data Visualization: Python, R, Tableau  
Microsoft Office Suite: Excel, Word, PowerPoint