

WILLIAM C. JOHNSON, PH.D.

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Citizenship: USA

Professional Experience:

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| <i>Economist II</i> , Amazon.com | 2022 – Present |
| <i>Economist I</i> , Amazon.com | 2021 – 2022 |
| <i>Senior Researcher</i> , Health Care Cost Institute | 2017 – 2021 |

Education:

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| 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:

- “[How Differences Between Commercial, Medicare Professional Service Prices Could Result in Different Policy Impacts](#),” with Katie Martin, Daniel Kurowski, Kevin Kennedy, Phillip Given, and Olivia DiRienzo, *HCCI Original*, December 2020
- “[Past the Healthy Marketplace Index, Volume II: Exploring Changes in Actual Prices Paid for Specific Services by Metro Area from 2013 to 2017](#),” with Kevin Kennedy, Elianna Clayton, and Katie Martin, *HCCI Original*, November 2020
- “[Past the Healthy Marketplace Index, Volume I: Exploring Actual Prices Paid for Specific Services by Metro Area](#),” with Kevin Kennedy, Elianna Clayton, and Katie Martin, *HCCI Original*, November 2020
- “[Healthy Marketplace Index: Understanding Health Care Spending, 2017](#),” with Kevin Kennedy, Anna Milewski, Elianna Clayton, and Sally Rodriguez, *Healthy Marketplace Index Report*, September 2020
- “[Comparing Commercial and Medicare Professional Service Prices](#),” with Daniel Kurowski, Kevin Kennedy, Aaron Bloshchak, 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

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- [“Antidepressant Use Increased for Individuals with a Mood Disorder with Employer-Sponsored Insurance,”](#) with Aaron Bloeschichak 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
- [“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

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

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Invited Presentations:

- 2020: Academy Health Annual Research Meeting; American Society of Health Economists Annual Conference (Canceled); Congressional Budget Office
- 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: Stata, SQL, Python
- Data Visualization: Python, Tableau
- Microsoft Office Suite: Excel, Word, PowerPoint