

PAUL KARNER

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Professional experience

Health Care and Data Science Consultant, Boston, MA, Jun. 2018 – pr.

- Applying professional health care consulting and research expertise to various health economics, health outcomes, and epidemiology research projects
- Available for project work on-site in metropolitan Boston, remote, and travel as needed

HORIZON | Data Science Applications (DataSciApps.com), Boston, MA • CEO, Aug. 2016 – pr.

- HORIZON is a data strategy and analytics consultancy that uses research, analysis based on appropriate methods and data, and thoughtful implementation strategies to power our clients' success
- The scientific method is at the core of our approach to bringing sound judgement, deep experience and domain-specific expertise, and maximum value to projects large and small across a variety of industries

Betsy Lehman Center for Patient Safety, Boston, MA • Research director, Feb. 2016 – Jun. 2018

- Established research program on patient safety for Massachusetts state agency, developing protocols governing use of confidential data, securing access to key data and computing resources, hiring analyst team, mentoring and providing performance feedback, developing technical resources for safety surveillance
- Provided strategic and technical input into all agency initiatives; deployed appropriate resources (e.g., data, data science and statistical methods, tools) to execute on ad hoc requests and longer-term initiatives
- Spearheaded partnerships inside and outside of state government to advance quality and safety research
- Translated research results and implications into non-technical talking points, briefings, and executive summaries for board members, policymakers, funders, and other health care leaders

Analysis Group, Inc., Boston, MA • Manager and Associate, Aug. 2012 – Feb. 2016

- Designed and oversaw analyses, developed value messages, formulated strategic guidance supporting health care clients under competing deadlines; assembled and managed case teams while contributing strategic and technical input on matters led by colleagues in health care and other practice areas
- Led all aspects of client communications (e.g., sales calls, proposals, presentations of interim project results, invoicing); dealt diplomatically with difficult client situations; fostered new client relationships
- Staff recruiting, hiring, mentoring, providing performance feedback and advising

Boston University, Boston, MA • Lecturer, Senior Teaching Fellow, and Teaching Fellow, 2006-2012

- Designed and taught undergraduate courses in law and economics, microeconomics, macroeconomics, international finance, and current topics in the global economy; supervised student research projects

Peterson Institute for International Economics, Washington, DC • Research Assistant, 2003-2005

- Research and quantitative modeling assessing economic and political risk, conflict and food security, political regime stability and sovereign risk, policy and institutions in the Middle East and East Asia

Education

Boston University, Boston, MA

- PhD, Economics, 2012
- MA, Political Economy, 2009

University of Pennsylvania, Philadelphia, PA

- BS, Economics (concentration in Business and Public Policy), 2003
- BA, International Relations, 2003

Additional activities and personal notes

Expert consultant health care and safety, Massachusetts Dept. of Public Health (from June 2018)

Award-winning teacher

Licensed Private Pilot, runner, husband and father

Organizations with which I have consulted in some capacity

Analysis Group, Boston, MA

Boston University, Boston, MA

Center for Global Development, Washington, DC

Electric Transportation Engineering Corp., Phoenix, AZ

Massachusetts Department of Public Health, Boston, MA

McDonough School of Business, Georgetown University, Washington, DC

Medicus Economics, Milton, MA

Peterson Institute for International Economics, Washington, DC

Oracle (formerly Sun Microsystems), Jefferson County, CO

US Committee for Human Rights in North Korea, Washington, DC

US Government Accountability Office (GAO), International Affairs and Trade Division, Washington, DC

Publications and other works

Health economics, outcomes, and patient safety

- Roberto S, Bayes J, Karner P, Morley M, Nanji KC. Patient harm in cataract surgery: A series of adverse events in Massachusetts. *Anesth Analg*. 2018 May;126(5):1548-1550. ([link](#))
- Bosch JLHR, Vekeman F, Duh MS, Neary M, Magestro M, Fortier J, Karner P, Ionescu-Ittu Raluca, Zonnenberg BA. Factors associated with the number and size of renal angiomyolipomas in sporadic angiomyolipoma (sAML): a study of adult patients with sAML managed in a Dutch tertiary referral center. *Int Urol Nephrol*. 2018; 50(3): 459–467. ([link](#))
- Iorio A, Krishnan S, Myrén KJ, Lethagen S, McCormick N, Yermakov S, Karner P. Indirect Comparisons of Efficacy and Weekly Factor Consumption during Continuous Prophylaxis with Recombinant Factor VIII Fc Fusion Protein and Conventional Recombinant Factor VIII Products. *Haemophilia*. 2017 May;23(3):408-416. ([link](#))
- Karner P. A look behind headlines about medical errors as 3rd leading cause of death. The Betsy Lehman Center for Patient Safety. 2016. ([link](#))
- Duh MS, Cremieux P, Audenrode MV, Vekeman F, Karner P, Zhang H, Greenberg P. Can social media data lead to earlier detection of drug-related adverse events? *Pharmacoepidemiol Drug Saf*. 2016 Dec;25(12):1425-1433. ([link](#))

- Iorio A, Krishnan S, Myrén KJ, Lethagen S, McCormick N, Yermakov S, Karner P. Continuous prophylaxis with recombinant factor IX Fc fusion protein and conventional recombinant factor IX products: comparisons of efficacy and weekly factor consumption. *J Med Econ.* 2016:1-8. ([link](#))
- Vekeman F, Magestro M, Karner P, Duh MS, Nichols T, van Waalwijk van Doorn-Khosrovani SB, Zonnenberg BA. Kidney involvement in tuberous sclerosis complex: the impact on healthcare resource use and costs. *J Med Econ.* 2015;18(12):1060-70. ([link](#))
- Yenikomshian MA, Guignard AP, Haguinet F, LaCasce AS, Skarin AT, Trahey A, Karner P, Duh MS. The epidemiology of herpes zoster and its complications in Medicare cancer patients. *BMC Infect Dis.* 2015;15:106. ([link](#))
- Duh MS, Hackshaw MD, Ivanova JI, Kruse G, Miller LA, Lefebvre P, Karner P, Wong B. Costs associated with intravenous cancer therapy administration in patients with metastatic soft tissue sarcoma in a US population. *Sarcoma.* 2013;2013:947413. ([link](#))

International development and related topics

- Family Networks and Household Outcomes in an Economic Crisis, Boston University 2012 ([link](#))
 - Consequences of Interactions between Resident and Nonresident Kin: Evidence from Human Capital Accumulation during the 1997-8 Indonesian Financial Crisis.
 - A Theoretical Analysis of Private Transfers as Ex Post Altruism
 - Ex Post Altruism vs. Insurance Motives for Exchanging Transfers
- Foreign Aid and Natural Disasters, in progress
- Migrants' Responses to Origin-Country Shocks and Natural Disasters (with Arup Sen and Jeremy Blair Smith), in progress
- Electoral Competition and Advertising with Informed and Uninformed Voters, working paper ([link](#))
- Plant-Level Technology Innovation and International Trade, working paper ([link](#))
- Sovereign Spreads and Political Regime Change, working paper ([link](#))

Teaching

Lecturer, College of Arts and Sciences, Boston University

- Law and Economics, Fall 2010 and 2011, Spring 2012
- Intermediate Microeconomics, Spring and Fall 2008, Spring 2011

Teaching Fellow, Department of Economics, Boston University

- International Finance, Fall 2007
- Principles of Macroeconomics, Spring 2007, 2009, and 2010

Online Course Facilitator, Metropolitan College, Boston University

Jobs, Wages, and the Global Economy, Fall 2006