

Edward N. Okeke

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CURRENT POSITION

2017-present: Senior Policy Researcher, RAND Corporation

2015-present: Professor of Policy Analysis, Pardee RAND Graduate School

PAST POSITIONS

2015-2015: Visiting Scholar, Department of Economics, University of Sussex

2011-2017: Policy Researcher, RAND Corporation

2010-2011: Assistant Professor of Health Economics and Policy, Department of Global Health and Development, London School of Hygiene and Tropical Medicine

EDUCATION

Ph.D. Health Policy (Economics), University of Michigan, Ann Arbor, December 2009

M.A. Applied Economics, University of Michigan, Ann Arbor, 2007

MPH, Public Health, University of Michigan, Ann Arbor, 2007

M.B.B.S (MD) Medicine and Surgery, Nnamdi Azikiwe University, Nigeria, 2000

RESEARCH FIELDS

Health Economics, Development Economics, Global Health, Health Policy

JOURNAL PUBLICATIONS

“Maternal Cash Transfers led to Increases in Facility Deliveries and Improved Quality of Delivery Care in Nigeria,” with Isa Abubakar and Zachary Wagner. *Health Affairs*, 39(6), 2020.

“Healthcare at the Beginning of Life and Child Survival: Evidence from a Cash Transfer Experiment in Nigeria,” with Isa Abubakar. *Journal of Development Economics*, 143:102426, 2020.

“Working Hard or Hardly Working: Health Worker Effort and Health Outcomes.” *Economic Development and Cultural Change*, 2019. <https://doi.org/10.1086/706823>.

“Does Workfare Worsen Infant Health? Evidence from India’s Public Works Program,” with A.V. Chari, Peter Glick and Sinduja Srinivasan. *Journal of Development Economics*, 138,116–134, 2019.

“Utilization and Quality: How the Quality of Care Influences Demand for Obstetric Care in Nigeria,” with Evan Peet. *PLoS ONE*, 14(2): e0211500, 2019.

“Framework to Guide Economic Analysis of Advance Care Planning,” with Claire O'Hanlon, Anne M. Walling, Sharon Stevenson, and Neil Wenger. *Journal of Palliative Medicine*, 21(10): 1480-1485, 2018.

“Health Care at Birth and Infant Mortality: Evidence from Nighttime Deliveries in Nigeria,” with A.V. Chari. *Social Science and Medicine*, 196:86–95, 2018.

“Going to Scale: Design and Implementation Challenges of a Program to Increase Access to Skilled Birth Attendants in Nigeria,” with I. Abubakar, U. Bashir, A.V. Chari, J. Exley, P. Glick, K. Gu, O. Onwujekwe and E. Pitchforth. *BMC Health Services Research*, 17(356): 1-12, 2017.

“Does a Ban on Informal Health Providers Save Lives? Evidence from Malawi,” with Susan Godlonton. *Journal of Development Economics*, 118:112–132, 2016.

“Does Price Affect the Demand for Information about New Health Technologies? Evidence from a Field Experiment in Nigeria,” with A.V. Chari and Akinfolarin Adepti. *Economic Development and Cultural Change*, 64(3):437-469, 2016.

“The Effect of Increasing the Supply of Skilled Health Providers on Pregnancy and Birth Outcomes: Evidence from the Midwives Service Scheme in Nigeria,” with I. Abubakar, U. Bashir, A.V. Chari, J. Exley, P. Glick, K. Gu, O. Onwujekwe and E. Pitchforth. *BMC Health Services Research*, 16(425):1-9, 2016.

“Persistent barriers to care. A qualitative study to understand women’s experiences in areas served by the Midwifery Service Scheme, Nigeria,” with I. Abubakar, U. Bashir, A.V. Chari, J. Exley, P. Glick, K. Gu, O. Onwujekwe and E. Pitchforth. *BMC Pregnancy and Childbirth*, 16(1):1–10, 2016.

“Doing Wrong to do Right? Social Preferences and Dishonest Behavior,” with Susan Godlonton. *Journal of Economic Behavior and Organization*, 106:124–139, 2014.

“The Effects of Prior Authorization Policies on Medicaid-Enrolled Children’s Use of Antipsychotic Medications: Evidence from Two Mid-Atlantic States,” with Stein BD, Leckman-Westin E, Scharf DM, Sorbero M, Chen Q, Chor KHB, Finnerty M, Wisdom JP. *Journal of Child and Adolescent Psychopharmacology*, 2014 Sep;24(7):374-381.

“Do Higher Salaries Lower Physician Migration?” *Health Policy and Planning*, Aug;29(5):603-14, 2014.

“What is the Price of Prevention? New Evidence from a Field Experiment,” with Akinfolarin Adepti and Kayode Ajenifuja. *Journal of Health Economics*, 32:207-218, 2013.

The Price Sensitivity of Medicare Beneficiaries: A Regression Discontinuity Approach,” with Thomas Buchmueller, Kyle Grazier, and Richard Hirth. *Health Economics*, 22(1):35-51, 2013.

“Brain Drain: Do Economic Conditions “push” Doctors out of Developing Countries?” *Social*

Science and Medicine, 98:169-178, 2013. (Previously circulated as an SSRN Working Paper under the title, "African Doctor Migration: Are Economic Shocks to Blame?")

"AIDS Treatment and Mental Health. Evidence from Uganda," with Glenn Wagner. *Social Science and Medicine*, 92:27-34, 2013.

"Workers on the Margin: Who Drops Health Coverage when Prices Rise?" with Richard Hirth and Kyle Grazier. *Inquiry*, 47(1): 33-47, 2010.

"Too Cold for a Jog? Weather, Physical Activity and Socioeconomic Status," with Daniel Eisenberg. *The B.E. Journal of Economic Analysis and Policy*, 9(1) (Contributions), Article 25. 2009.

"Insurer Competitive Strategy and Enrollment in Newly Offered Preferred Provider Organizations (PPO)," with Richard Hirth, Kyle Grazier, and Michael Chernew. *Inquiry*, 44(4): 400-11, 2008.

PEER-REVIEWED REPORTS

Wynn, Barbara O., Andrew W. Mulcahy, Harry H. Liu, Rosalie Malsberger, and Edward N. Okeke, Medical Care Provided to California's Injured Workers: Monitoring System Performance Using Administrative Data. State of California Department of Industrial Relations, 2018

Okeke, Edward N., Peter Glick, Isa Sadeeq Abubakar, Amalavoyal V. Chari, Emma Pitchforth, Josephine Exley, Usman Bashir, Claude Messan Setodji, Kun Gu, and Obinna Onwujekwe, The Better Obstetrics in Rural Nigeria (BORN) Study: An Impact Evaluation of the Nigerian Midwives Service Scheme. Santa Monica, CA: RAND Corporation, 2015

Wynn, Barbara O., Lane F. Burgette, Andrew W. Mulcahy, Edward N. Okeke, Ian Brantley, Neema Iyer, Teague Ruder, and Ateev Mehrotra, Development of a Model for the Validation of Work Relative Value Units for the Medicare Physician Fee Schedule. Santa Monica, CA: RAND Corporation, 2015

Wynn, Barbara O., Harry H. Liu, Andrew W. Mulcahy, Edward N. Okeke, Neema Iyer, and Lawrence S. Painter, Implementing a Resource-Based Relative Value Scale Fee Schedule for Physician Services: An Assessment of Policy Options for the California Workers' Compensation Program. Santa Monica, CA: RAND Corporation, 2014.

Berry, Sandra H., Thomas W. Concannon, Kristy Gonzalez Morganti, David I. Auerbach, Megan K. Beckett, Peggy G. Chen, Donna O. Farley, Bing Han, Katherine M. Harris, Spencer S. Jones, Harry H. Liu, Susan L. Lovejoy, Terry Marsh, Grant R. Martsolf, Christopher Nelson, Edward N. Okeke, Marjorie L. Pearson, Francesca Pillemer, Melony E. Sorbero, Vivian L. Towe, and Robin M. Weinick, CMS Innovation Center Health Care Innovation Awards: Evaluation Plan. Santa Monica, CA: RAND Corporation, 2013.

Gonzalez Morganti, Kristy, Sebastian Bauhoff, Janice C. Blanchard, Mahshid Abir, Neema Iyer, Alexandria Smith, Joseph Vesely, Edward N. Okeke, and Arthur L. Kellermann, The Evolving Role of Emergency Departments in the United States. Santa Monica, CA: RAND

Corporation, 2013.

Watkins, Katherine E., M. Audrey Burnam, Edward N. Okeke, and Claude Messan Setodji, Evaluating the Impact of Prevention and Early Intervention Activities on the Mental Health of California's Population. Santa Monica, CA: RAND Corporation, 2012.

WORKING PAPERS

Money and My Mind: Maternal Cash Transfers and Mental Health

Incentivizing Productivity when Teamwork Matters: Evidence from a Worker Experiment in Nigeria (with Italo Gutierrez)

When a Doctor Falls from the Sky: Physician Supply and Health Outcomes (with Isa Abubakar)

Peer Effects in Technology Adoption: Evidence from a Cancer Screening Field Experiment (with A.V. Chari and Akinfolarin Adepiti)

Home and Dry? Bad Weather, Place of Birth, and Birth Outcomes (with A.V. Chari)

RESEARCH IN PROGRESS

Personalized Health Risk Information and Health Behavior

Discretionary Cash Grants to Health Facilities and Service Delivery

Optimal allocation of conditional subsidies under heterogeneous returns

Credibility Effects in Entitlement Programs

Improving Perinatal Outcomes Using Conditional and Targeted Transfers: A Cluster RCT

Primary Care Provider Supply and Patient Outcomes: A Cluster Randomized Trial in Nigeria

PERMANENT WORKING PAPERS

Okeke, E.N. and A.V. Chari. (2015). Can Institutional Deliveries Reduce Newborn Mortality? Evidence from Rwanda. RAND Working Paper Series WR-1072.

GRANT SUPPORT

2017-2022: National Institute of Child Health and Human Development (NICHD)
Improving Perinatal Outcomes Using Conditional and Targeted Transfers.
Principal Investigator
\$2.7M

- 2015-2020: National Institute of Child Health and Human Development (NICHD)
Estimating the Returns to Provider Human Capital
Principal Investigator
\$3M
- 2013-2016: National Cancer Institute
The Demand for Cancer Screening: Peer Effects or Learning
Principal Investigator
\$374,855
- 2013-2016: International Initiative for Impact Evaluation
Skilled Attendance at Birth: A Natural Experiment in Nigeria
Principal Investigator
\$405,000
- 2013-2015: National Institute of Child Health and Human Development (NICHD)
Quantifying the Health Benefits of Hospital Births
Principal Investigator
\$194,486
- 2013-2015: National Institute of Child Health and Human Development (NICHD)
Constrained Provider Choice: The Effect of a TBA Ban on Mortality
Principal Investigator
\$190,000
- 2012-2014: State of California
Implementing a Resource-Based Relative Value Scale Physician Fee Schedule in California
Co-Investigator (PI: Barbara Wynn)
\$498,795
- 2012-2014: Centers for Medicare & Medicaid Services
Medicare Physician Fee Schedule: Development of a Model for the Valuation of Work Relative Value Units
Co-Investigator (PI: Barbara Wynn)
\$930,822
- 2010-2011: DFID/Partnerships for Transforming Health Systems (PATHS 2)
A Randomized Evaluation of Community Involvement in Health Care Delivery
Principal Investigator
\$300,000
- 2008-2009: University of Michigan Comprehensive Cancer Center
An Empirical Investigation of the Demand for Prevention: An Analysis of Cervical Cancer Screening

Principal Investigator
\$25,000

2008-2009: Russell Sage Foundation
An Empirical Investigation of the Demand for Prevention: An Analysis of
Cervical Cancer Screening
Principal Investigator
\$5,000

2006-2007: Blue Cross Blue Shield Foundation
Retiree Health Benefits: The Role of Premiums and PPOs
Co-Investigator (PI: Kyle Grazier)
\$99,986

TEACHING EXPERIENCE

London School of Hygiene and Tropical Medicine

Economic Analysis for Management and Policy (Graduate)

University of Michigan (Graduate Student Instructor)

The Health Services System I (Graduate)

Health Economics (Graduate)

Microeconomic Theory (Graduate)

Cost Effectiveness and Cost Benefit Analysis in Health (Graduate)

AWARDS AND HONORS

RAND Silver Medal Award (2016)

RAND Bing Center for Health Economics Award (2012)

Finalist, Best Student Paper Award, American Society of Health Economists (2010)

Rackham Dissertation Grant (2009)

Ernest M. Hammel Award (2008)

Rackham Pre-doctoral Fellowship (2008)

Yossi Schiff Memorial Scholarship (2007)

University of Michigan International Institute Individual Fellowship (2007)

University of Michigan Global Health Research and Training Initiative Travel Fellowship
(2007)

CONFERENCES AND PRESENTATIONS

2019: American Society of Health Economists, Washington DC; International Health
Economics Association, Basel, Switzerland

2018: Northeast Universities Development Consortium, Cornell University

2017: International Health Economics Association, Boston University; Centre for the Study of African Economies, St Catherine's College, Oxford (paper accepted but could not attend)

2016: Royal Economic Society Conference, University of Sussex, Brighton; University of California, Irvine, Program in Public Health

2015: International Health Economics Association Conference, Bocconi University, Milan; Centre for the Study of African Economies, St Catherine's College, Oxford

2014: Northeast Universities Development Consortium, Boston University; University of Pennsylvania, Department of Medical Ethics and Health Policy

2013: Northeast Universities Development Consortium, Harvard University; Population Association of America Annual Meeting, New Orleans; Centre for the Study of African Economies, St Catherine's College, Oxford

Prior to 2012: American Society of Health Economists, University of Minnesota (2012); University of Michigan, Department of Health Management and Policy (2012); University of Pittsburgh, Department of Health Policy and Management (2011); American Society of Health Economists, Cornell University (2010); Academy Health, Boston (2010); Annual Health Economics Conference, Lehigh University, PA, (2010); Northeast Universities Development Consortium, Tufts University (2009); Academy Health, Chicago, (2009); Unite for Sight 5th Annual International Health Conference, Yale University (2008); European Science Days, Steyr Austria (2008)

OTHER EXPERIENCE

2006-2011: Consultant, Trust for America's Health, Washington DC

2004-2009: Research Assistant/Associate, University of Michigan, Ann Arbor MI

2003-2004: Emergency Care Physician, Critical Rescue International, Nigeria

2002-2003: Medical Officer, State Ministry of Health, Lagos, Nigeria

2001-2002: House Officer, Nnamdi Azikiwe University Teaching Hospital, Nigeria

PROFESSIONAL SERVICE

Referee: *American Journal of Health Economics, BMC Health Services Research, BMJ, BMJ Global Health, European Economic Review, Health Affairs, Health Economics, Health Services Research, Health Policy and Planning, Human Resources for Health, Journal of African Economies, Journal of Development Economics, Journal of Economic Behavior and Organization, Journal of Health Economics, Lancet Global Health, PLoS One*

Grant Reviewer:

NIH Health Services Organization and Delivery Study Section (HSOD), 2019

NIH Social Sciences and Population Studies Study Section (SSPB), 2018

NIH Special Emphasis Panel ZHD1 DSR-W (ED), 2017
NIH Special Emphasis Panel ZRG1 HDM-J, 2016
NIH Special Emphasis Panel ZHD1 DSR-W, 2015
NIH Social Sciences and Population Studies Study Section (SSPA), 2015
International Initiative for Impact Evaluation (3ie), 2014, 2017
Economic and Social Research Council (ESRC), United Kingdom, 2013

MEMBERSHIPS

American Economic Association
American Society of Health Economists
International Health Economics Association