

NITEESH K. CHOUDHRY

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Academic Appointments

HARVARD MEDICAL SCHOOL, BOSTON

Professor of Medicine

Director, Implementation Research and Education, Harvard Catalyst

HARVARD T.H. CHAN SCHOOL OF PUBLIC HEALTH, BOSTON

Professor in the Department of Health Policy and Management

BRIGHAM AND WOMEN'S HOSPITAL, DEPARTMENT OF MEDICINE, BOSTON

Executive Director, Center for Healthcare Delivery Sciences

Associate Physician, Division of Pharmacoepidemiology and Pharmacoeconomics

Attending Physician, Hospitalist Program

Education and Training

HARVARD UNIVERSITY

Doctor of Philosophy (PhD), Health Care Policy (Concentration: Statistics and Evaluative Sciences)

2000-2005

HARVARD MEDICAL SCHOOL

Fellow in Pharmaceutical Policy Research

2003-2005

TORONTO GENERAL AND TORONTO WESTERN HOSPITALS, UNIVERSITY OF TORONTO

Chief Resident and Resident in Internal Medicine

1996-2000

UNIVERSITY OF TORONTO, FACULTY OF MEDICINE

Doctor of Medicine (MD), Graduated with honors

1992-1996

Awards (selected)

George W. Thorn Award, Department of Medicine, Brigham and Women's Hospital	2015
Distinguished Faculty Mentor Award, Department of Medicine, Brigham and Women's Hospital	2008, 2014
Award for Research Excellence, International Society for Pharmacoeconomics and Outcomes Research	2012
National Institutes of Health Care Management Research Award 2 nd prize	2012
Best Abstract Award, AcademyHealth	2012, 2013
Outstanding Clinical Teacher Award Honor Role, Partners Healthcare	2011
Jean Jackson Distinguished Beside Teacher Award, Department of Medicine, Brigham and Women's Hospital	2010
Excellence in Teaching Award, Hospitalist Program, Department of Medicine, Brigham and Women's Hospital	2006
Mack Lipkin Sr. Research Award, Society of General Internal Medicine	2005
Harvard Medical School Pharmaceutical Policy Research Fellowship	2003-2005
Frank Knox Memorial Fellowship, Harvard University	2000-2004
New Faculty Excellence in Teaching Award, University Health Network, University of Toronto	2002
K.J.R. Wightman Award for Research, Royal College of Physicians and Surgeons of Canada	2000

Publications (selected from >200)

- **Choudhry NK**, Fischer MA, Avorn J, Schneeweiss S, Solomon DH, Berman C, Jan S, Liu J, Lii J, Brookhart AM, Mahoney J, Shrank WH. At Pitney Bowes, value-based insurance design cut copayments and increased drug adherence. *Health Affairs* 2010; 29: 1995-2001.
- **Choudhry NK**, Shrank WH. Four-dollar generics - increased accessibility, impaired quality assurance. *New England Journal of Medicine* 2010; 363: 1885-1887.
- Shrank WH, **Choudhry NK**. Time to fill the doughnuts: health care reform and Medicare Part D. *New England Journal of Medicine* 2011; 364: 598-601.
- **Choudhry NK**, Avorn J, Glynn RJ, Antman EM, Schneeweiss S, Toscano M, Reisman L, Fernandes J, Spettell C, Lee JL, Levin R, Brennan T, Shrank WH. Full coverage for preventive medications after myocardial infarction. *New England Journal of Medicine* 2011; 365: 2088-2097.

- Franklin JM, Shrank WH, Pakes J, Sanf elix-Gimeno G, Matlin OS, Brennan TA, **Choudhry NK**. Group-based trajectory models: A new approach to classifying and predicting long-term medication adherence. *Medical Care* 2013; 51: 789-96.
- **Choudhry NK**, Glynn RJ, Avorn J, Lee JL, Brennan TA, Reisman L, Toscano M, Levin R, Matlin OS, Antman EM, Shrank WH. Untangling the relationship between medication adherence and post-myocardial infarction outcomes. *American Heart Journal* 2014; 167:51-58.
- **Choudhry NK**, Bykov K, Shrank WH, Toscano M, Rawlins W, Reisman L, Brennan T, Franklin JM. The impact of eliminating medication copayments on disparities in cardiovascular care. *Health Affairs* 2014; 33: 863-870.
- Sanf elix-Gimeno G, Franklin JM, Shrank WH, Carlo M, Tong AY, Reisman L, Matlin OS, Brennan TA, **Choudhry NK**. Did HEDIS get it right? Evaluating the quality of a quality measure: adherence to beta-blockers and cardiovascular outcomes after myocardial infarction. *Medical Care* 2014; 52: 669-76.
- Kesselheim AS, Bykov K, Tong A, Doherty M, Avorn J, **Choudhry NK**. Burden of pill appearance changes for patients taking generic cardiovascular medications after myocardial infarction. *Annals of Internal Medicine* 2014; 161: 96-103.
- Najafzadeh M, Andersson K, Shrank WH, Krumme AA, Matlin OS, Brennan T, Avorn J, **Choudhry NK**. Cost-effectiveness of novel regimens for the treatment of hepatitis C. *Annals of Internal Medicine* 2015; 162: 407-419.
- Bykov K, Franklin JM, Toscano M, Rawlins W, McMahill-Walraven CN, Spettell CM, Shrank WH, **Choudhry NK**. Evaluating cardiovascular health disparities using estimated race/ethnicity: a validation study. *Medical Care* 2015; 53: 1050-1057.
- **Choudhry NK**, Denberg TD, Qaseem A. Improved adherence to therapy and clinical outcomes while containing costs: opportunities from the greater use of generic medications: Best Practice Advice from the Clinical Guidelines Committee of the American College of Physicians; *Annals of Internal Medicine* 2016; 164: 41-9.
- Franklin JM, Shrank WH, Lii J, Krumme AK, Matlin OS, Brennan TA, **Choudhry NK**. Observing versus Predicting: Initial Patterns of Filling Predict Long-Term Adherence More Accurately Than High-Dimensional Modeling Techniques. *Health Services Research*. 2016; 51: 220-39.
- Lauffenburger JC, Franklin JM, Krumme AA, Shrank WH, Brennan TA, Matlin OS Spettell CM, Brill G, **Choudhry NK**. Longitudinal patterns of spending enhance the ability to predict costly patients: a dynamic approach to identify patients for cost containment. *Medical Care* 2017; 55: 64-73.
- Lauffenburger JC, Shrank WH, Bitton A, Franklin JM, Glynn RJ, Krumme AA, Matlin OS, Pezalla EJ, Spettell CM, Brill G, **Choudhry NK**. Association between patient-centered medical homes and adherence to chronic medications: a cohort study. *Annals of Internal Medicine* 2017; 166: 81-88.
- **Choudhry NK**, Krumme AA, Ercole PM, Girdish C, Tong A, Khan N, Brennan TA, Matlin OS, Shrank WH, Franklin JM. Reminder devices to increase evidence-based medication use: The Randomized Evaluation to Measure Improves in Non-adherence from Low-Cost Devices (REMIND) trial. *JAMA Internal Medicine*; 2017; 177: 624-631
- **Choudhry NK**. Randomized controlled trials in health insurance systems. *New England Journal of Medicine* 2017; 377: 957-964.
- Sarpatwari A, **Choudhry NK**. Recalibrating Privacy Protections to Promote Patient Engagement. *New England Journal of Medicine* 2017; 377: 1509-1511.

Invited Presentations (selected)

California HealthCare Foundation (2009) • Institute of Medicine of the National Academy of Sciences (2009, 2012) • University of Toronto (2010) • University of Pennsylvania (2010, 2016) • Harvard Medical School Department of Population Medicine (2011, 2013) • Brown University, Program of Public Health (2011) • American Heart Association (2011) • Million Hearts Initiative (2012) • Agency for Healthcare Quality and Research (2012) • Robert Wood Johnson Foundation (2012) • Stanford University (2012, 2015, 2016, 2017) • University of Pittsburgh (2013, 2015) • Howard University (2013) • Boston University (2013) • Center for Disease Control and Prevention (2014, 2015) • U.S. White House Office of Science and Technology Policy (2014) • MIT (2014) • U.S. Food and Drug Administration (2015) • University of North Carolina (2015) • New England Journal Catalyst (2016) • Microsoft Research Labs (2016) • Massachusetts Medical Society (2017) • Boston University (2017)

Research Funding (selected)

National Institutes of Health • National Heart, Lung and Blood Institute • CVS Caremark • Pharmaceutical Research and Manufacturers of America (PhRMA) Foundation • Merck Sharp and Dohme Corp • Sanofi • Astra Zeneca • John and Laura Arnold Foundation • Commonwealth Fund • Agency for Health Research and Quality • Food and Drug Administration • Robert Wood Johnson Foundation • Aetna • National Institute of Diabetes and Digestive and Kidney Diseases