

**Curriculum Vitae**  
**Kanaka Shetty, MD MS**

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**Address**                      RAND Corporation  
1776 Main Street, m4352  
Santa Monica, California 90401  
Email: kshetty@rand.org

**Citizenship**                      United States

**Education**

1993-1997                      Yale University  
Bachelor of Science, Molecular Biophysics and  
Biochemistry

1997-2001                      New York University School of Medicine  
Doctor of Medicine

2005-2007                      Stanford University  
Master of Science, Health Services Research

**Professional Appointments**

2014-                              Physician Policy Researcher  
RAND Corporation  
Santa Monica, California

2008-2014                      Associate Natural Scientist/Physician Policy Researcher  
RAND Corporation  
Santa Monica, California

2013-                              Faculty Member,  
Pardee-RAND Graduate School  
RAND Corporation  
Santa Monica, California

2009 -                              Per Diem Hospitalist Physician  
Kaiser Permanente Medical Center  
Harbor City, California

2005-2008                      Ambulatory Care Fellow and Staff Physician  
Department of Medicine  
Veteran's Affairs Palo Alto

Palo Alto, California

2005-2008 Pool Hospitalist Physician  
Kaiser Permanente Medical Center  
Richmond, California

2004-2005 Staff Hospitalist Physician  
Kaiser Permanente Medical Center  
Richmond, California

### **Professional Training**

2001-2004 Internal Medicine Residency  
Department of Medicine  
Columbia University Medical Center  
New York-Presbyterian Hospital

2005-2008 Veterans Affairs' Fellowship in Ambulatory Care Practice  
and Research  
Veterans Affairs Palo Alto and Stanford University

### **Honors**

1997 *Cum Laude*, Distinction within major, Yale University  
2001 Glover C. Arnold Surgical Prize for Excellence in Surgery,  
New York University School of Medicine

### **Licensure & Certification**

2003 – 2005 New York State Medical License  
2004 – present California State Medical License  
2004 – present American Board of Internal Medicine

### **Peer-reviewed Publications**

1. Strobel SA, **Shetty K**. Defining the chemical groups essential for Tetrahymena group I intron function by nucleotide analog interference mapping. *PNAS*. 94(7):2903-8, 1997 Apr 1. PMID: 9096319
2. Kaushal R, Jha AK, Franz C, Glaser J, **Shetty KD**, et al. Return on investment for a computerized physician order entry system. *J Am Med Inform Assoc*. 2006 May-Jun;13(3):261-6. PMID: 16501178
3. Ranji SR, **Shetty K**, Posley KA, Lewis R, Sundaram V, Galvin CM, Winston LG. Prevention of Healthcare-Associated Infections. Vol 6 of: Shojania KG, McDonald KM, Wachter RM, Owens DK, editors. Closing the Quality Gap: A Critical Analysis of Quality Improvement Strategies. Technical Review 9 (Prepared by the Stanford

University-UCSF Evidence-based Practice Center under Contract No. 290-02-0017). AHRQ Publication No. 04(07)-0051-6. Rockville, MD: Agency for Healthcare Research and Quality. January 2007. PMID: 20734530

4. **Shetty KD**, Bhattacharya J. Changes in Hospital Mortality Associated with Residency Work-Hour Regulations. *Annals of Internal Medicine*. 2007; 147:73-80. PMID: 17548403
5. **Shetty KD**, Vogt WB, and Bhattacharya J. Hormone replacement therapy and cardiovascular health in the US population. *Medical Care*. 2009 May; 47(5):600-6. PMID: 19319001
6. Pillutla P, **Shetty KD**, and Foster E. Mortality Associated with Adult Congenital Heart Disease: Trends in the United States Population from 1979-2005. *American Heart Journal*. 2009 November; 158(5):874-9. PMID: 19853711.
7. **Shetty KD**, Deleire T , White C, Bhattacharya J. Changes in U.S. Hospitalization and Mortality Rates Following Smoking Bans. *Journal of Policy Analysis and Management*. 2011 Winter; 30(1):6-28. PMID: 21465828.
8. **Shetty KD**, Dalal SR. Using Information Mining of the Medical Literature to Improve Drug Safety. *Journal of the American Medical Informatics Association*. 2011 Sep-Oct; 18(5):668-74. Epub 2011 May 5. PMID: 21546507.
9. Dalal SR, Shekelle PG, Hempel S, Newberry SJ, Motala A, **Shetty KD**. A Pilot Study Using Machine Learning and Domain Knowledge To Facilitate Comparative Effectiveness Review Updating. *Med Decision Making*. 2012 Sep 7 [Epub ahead of print] PMID: 22961102.
10. Dalal SR, Shekelle PG, Hempel S, Newberry SJ, Motala A, **Shetty KD**. A Pilot Study Using Machine Learning and Domain Knowledge To Facilitate Comparative Effectiveness Review Updating. Rockville, MD: Agency for Healthcare Research and Quality. 2012 Sep. PMID: 23057094.
11. Hempel S, **Shetty KD**, Shekelle PG, Rubenstein LV, Danz MS, Johnsen B, Dalal SR. Machine Learning Methods in Systematic Reviews: Identifying Quality Improvement Intervention Evaluations. Rockville, MD: Agency for Healthcare Research and Quality. 2012 Sep. PMID: 23101052.
12. **Shetty KD**, Meeker D, Schneider EC, Hussey PS, Damberg CL. Evaluating the feasibility and utility of translating Choosing Wisely recommendations into e-Measures. *Healthcare: Journal of Delivery Science and Innovation*. 2015 3(1): 24-37. doi:10.1016/j.hjdsi.2014.12.002
13. Parast L, Doyle B, Damberg CL, **Shetty K**, Ganz DA, Wenger NS, and Shekelle, PG. Challenges in assessing the process-outcome link in practice. *Journal of general internal medicine*. 2015;30(3):359-64.

14. Shekelle, P.G., **Shetty, K.**, Newberry, S., Maglione, M. and Motala, A., 2017. Machine learning versus standard techniques for updating searches for systematic reviews: a diagnostic accuracy study. *Annals of internal medicine*, 167(3), pp.213-215. PMID: 28605762
15. **Shetty K**, Raaen L, Khodyakov D, Boutsicaris C, Nuckols TK. Evaluation of the Work Loss Data Institute's Official Disability Guidelines. *J Occup Environ Med*. 2017 Nov 13. doi: 10.1097/JOM.0000000000001230. PMID:29135837
16. Nuckols, T.K., Keeler, E., Anderson, L.J., Green, J., Morton, S.C., Doyle, B.J., **Shetty, K.**, Arifkhanova, A., Booth, M., Shanman, R. and Shekelle, P., 2018. Economic evaluation of quality improvement interventions designed to improve glycemic control in diabetes: a systematic review and weighted regression analysis. *Diabetes care*, 41(5), pp.985-993.
17. Dixie Aragaki, Aashna Basu, Craig Conlon, **Kanaka Shetty**, Michael Robbins, Douglas Benner, MD, Teryl K. Nuckols. The Quality of Electrodiagnostic Testing for Carpal Tunnel Syndrome: Adherence to Quality Measures. *Accepted at Muscle and Nerve*.
18. **Kanaka Shetty**, Michael Robbins, Dixie Aragaki, Aashna Basu, Craig Conlon, Michael Dworsky, Douglas Benner, Rachana Seelam, Teryl K. Nuckols. The Quality of Electrodiagnostic Tests for Carpal Tunnel Syndrome: Implications for Surgery, Outcomes, and Expenditures. *Accepted at Muscle and Nerve*.

### **Peer reviewed reports**

1. 2015 National Impact Assessment of the Centers for Medicare & Medicaid Services (CMS) Quality Measures Report, CMS, Baltimore, Maryland, March 2, 2015. Available at: <https://www.cms.gov/Medicare/Quality-Initiatives-Patient-AssessmentInstruments/QualityMeasures/QualityMeasurementImpactReports.html> Role: Co-Project Leader for RAND subcontract, and Task Leader or co-Task Leader for Chapters 3 and 6, Investigator for Chapter 8
2. Eibner, C ,H Krull, K Brown, M Cefalu, A Mulcahy, M Pollard, **K Shetty**, D Adamson, E Amaral, P Armour, T Beleche, O Bogdan, J Hastings, K Kapinos, A Kress, J Mendelsohn, R Ross, C Rutter, R Weinick, D, Woods, S Hosek, and C Farmer (2015). "Current and projected characteristics and unique health care needs of the patient population served by the Department of Veterans Affairs." RR-1165/1-VA. Santa Monica, CA: RAND, 2015. [http://www.rand.org/pubs/research\\_reports/RR1165z1.html](http://www.rand.org/pubs/research_reports/RR1165z1.html) Role: Investigator.
3. Nuckols, Teryl K., **Kanaka Shetty**, Laura Raaen and Dmitry Khodyakov. Technical Quality and Clinical Acceptability of a Utilization Review Guideline for Occupational Conditions: ODG® Treatment Guidelines by the Work Loss Data Institute. Santa Monica, CA: RAND Corporation, 2017. [https://www.rand.org/pubs/research\\_reports/RR1819.html](https://www.rand.org/pubs/research_reports/RR1819.html).
- 4.

### **Completed manuscripts / Manuscripts in preparation**

1. **Kanaka D. Shetty**, Cheryl L. Damberg, et al. Unintended Consequences of Performance Measurement Programs: A Systematic Review of the Evidence.
2. Stephanie Kovalchik, **Kanaka D. Shetty**, Cheryl L. Damberg, David A. Ganz, Neil S. Wenger, and Paul G. Shekelle. Assessing the impact of adherence to process measures on clinical outcomes in Medicare beneficiaries.
3. **Kanaka D. Shetty**, Michael W. Robbins, Anagha Tolpadi, Kyle Campbell, Ann Clancy, Jeff Whitley, Noni Bodkin, Maria Durham, and Cheryl L. Damberg. Hospital Quality Improvement Efforts and Performance on CMS Quality Measures
4. **Kanaka D. Shetty**, Anagha Tolpadi, Michael W. Robbins, Erin A. Taylor, Kyle Campbell, and Cheryl L. Damberg. Nursing Home Responses to Performance-based Accountability: Results of a National Survey. *Revise and resubmit at Journal of the American Geriatrics Society.*

### **Letters, commentary and editorials**

1. **Shetty KD**, Garber AM. Commentary on – “B type natriuretic peptide testing was more cost effective than conventional diagnosis in patients with acute dyspnoea.” *Evid. Based Med.* 2007;12;28. Comment on Mueller C, Laule-Kilian K, Schindler C, et al. Cost-effectiveness of B-type natriuretic peptide testing in patients with acute dyspnea. *Arch Intern Med* 2006;166:1081–7.
2. **Shetty KD**, Bhattacharya J. Response to letter from Dr. Puhan regarding “Shetty KD, Bhattacharya J. Changes in Hospital Mortality Associated with Residency Work-Hour Regulations. *Ann Intern Med.* 2007; 147:73-80.” *Annals of Internal Medicine.* 2008; 148(6):482.

### **Patents**

Reville, Robert; Dalal, Siddhartha; Caston, Lauren; Loughran, David; **Shetty, Kanaka**. 2010. Systems and methods for emerging litigation risk identification. US Patent 8,671,102, filed April 21, 2010, and issued March 11, 2014

### **External Grants & Contracts**

#### **CMS Contract: Analysis of Part C Encounter Data and Part D Prescription Drug Event Data (PI: A. Mulcahy)**

This project explores methods for joining 100% Encounter Data and Part D Prescription Drug Event data for Medicare Advantage beneficiaries. After validating these joining solutions, the resulting datasets will be used to examine utilization patterns among Medicare Advantage beneficiaries.

Role: Investigator

Period: 10/2016 – 9/2019

**Contract to icare, New South Wales, Australia (PI: T. Nuckols)**

The project's funder (icare NSW) administers worker's compensation insurance in New South Wales, Australia and is considering implementing Official Disability Guidelines (ODG), published by the Work-Loss Data Institute. To inform their decision, they commissioned an independent evaluation of the technical quality and clinical acceptability of the ODG.

Role: Investigator

Period: 4/2016 – 2/2017

**Subcontract to MITRE Corporation, Centers for Medicare & Medicaid Services  
Farmer (PI)**

**VACAA Assessments**

This project comprised a comprehensive independent assessment of the Veterans Administration delivery of healthcare to eligible American veterans. The project assessed the VA's existing demand for care as well as its capacity to deliver timely and high quality care for current and future veterans, and made recommendations for how to further build on this capacity to meet future anticipated demand for veteran services.

Role: Co-Investigator, examining prevalence of chronic conditions among current and future veteran population

**Subcontract to Health Services Advisory Group, Prime contractor to CMS (RAND  
PL: Shetty)**

**2021 and 2024 National Impact Assessments of CMS Quality Measures**

Role: Project Leader

Period: 7/2019-6/2024

**Subcontract to Health Services Advisory Group, Prime contractor to CMS (RAND  
PL: Damberg)**

**National Impact Assessment of Medicare Quality Measures**

Role: co-Project Leader

Period: 7/2014-6/2019

**Subcontract to Health Services Advisory Group, Prime contractor to CMS (RAND  
PL: Damberg)**

**National Impact Assessment of Medicare Quality Measures**

Role: co-Project Leader

Period: 10/2012-7/2014

**1RC1AG035863-01 (PI: Vogt)**

**Natural Experiments And RCT Generalizability: The Women's Health Initiative**

Role: Investigator

Period: 9/2009-8/2012

**Ad hoc Reviewer**

2007- *Annals of Internal Medicine*

2009- *BMJ*  
2010- *Health Economics*  
2012 *Proceedings of the AMIA Symposium*  
2012- *Journal of the American Medical Informatics Association*  
2014- *Circulation*  
2016- *Journal of the American Heart Association*