

Tanner J. Caverly, MD, MPH
Research Fellow & Clinical Lecturer
VA Center for Clinical Management Research
Division of General Internal Medicine
University of Michigan Medical School
2800 Plymouth Road, Building 16, Rm. 326W
Ann Arbor, MI 48109-2800
tcaverly@med.umich.edu

Education

8/1998-5/2002 B.S. in Biology and B.A. in Physics, Duke University, Durham, NC.
8/2003-6/2007 MD, The Ohio State University School of Medicine
7/2011-7/2013 MPH, Epidemiology concentration, Health Policy, and Biostatistics
coursework, University of Colorado School of Public Health.
7/2013-current University of Michigan Robert Wood Johnson Foundation Clinical Scholars
Master's Program

Training

6/2007-6/2010 University of Colorado School of Medicine Internal Medicine Residency
Program, Primary Care Track
7/2010-6/2011 Chief Medical Resident, University of Colorado School of Medicine Internal
Medicine Residency Program
7/2011-7/2013 Primary Care Research Fellow, University of Colorado School of Medicine,
Division of General Internal Medicine
7/2013-current VA Fellow, Health Services Research and Design (HSR&D)

Certification and Licensure

2010 Board Certified, American Board of Internal Medicine
2011 State of Colorado Physician License #48627, expired 04/30/2013
2013 State of Michigan Physician License #4301102634, expires 01/31/2014

Academic, Administrative and Clinical Appointments

7/2011-7/2013 Clinical Instructor in Medicine, Division of General Internal Medicine,
Department of Medicine, University of Colorado School of Medicine
7/2013-present Research Fellow and Clinical Lecturer, Division of General Internal
Medicine, University of Michigan Medical School
5/2013-present **Section Editor, JAMA Internal Medicine, 'Teachable Moments,'**

Grants

Society for General Internal Medicine Founder's Award

Caverly (PI) 07/01/2012-06/30/2013
Project # 2523184
AWD-122516

This project supports a cross-sectional validation study of the ‘Critical Risk Interpretation Test’ in diverse groups of clinicians to formally establish its reliability, content validity, and construct validity. A valid and reliable test of this nature allow implementation of a long-term agenda of planned projects to evaluate the effect of clinical numeracy on informed patient decision making, evidence based practice, and high-value cost-conscious care.

National Research Service Award

Role: Primary Care Research Fellow

Binswanger (PI)

07/01/2011-06/30/2013

5T32 HP10006-19-00

This project trains physicians in outcomes and health services research methods.

Honors

- 2007 Internal Medicine Clerkship Departmental Award for excellence in internal medicine rotations, Ohio State University School of Medicine
- 2009 Gold Humanism and Excellence in Teaching Award – finalist
- 2009 Selection for Chief Medical Resident, University of Colorado School of Medicine Internal Medicine Residency Program
- 2010 Colorado Health Foundation Community Service Award for teaching excellence
- 2012 Lee B. Lusted Finalist in Decision Psychology and Shared Decision Making, Society for Medical Decision Making for presented abstract
- 5/2012 Founder’s Award, Society for General Internal Medicine, \$10,000 ‘start-up’ grant for promising junior researchers
- 7/2012 Highest rated presentation out of 45 talks, 2012 American Statistical Association Section on Statistical Literacy, “Clinical Numeracy: Getting the Gist of a Health Risk”
- 6/2013 2012 American Statistical Association Section on Statistical Education's Ron Wasserstein Award for Best Contributed Paper
- 6/2013 Delta Omega National Honor Society for graduate studies in public health, University of Colorado School of Public Health
- 7/2013 Teaching Value and Choosing Wisely Competition winner for medical education innovation, “Attending To Our First Obligation: The Do No Harm Project.”

Memberships in Professional Societies

- 2010-current Associate Member, Society for General Internal Medicine
- 2011-current Member, Society for Medical Decision Making

Teaching

Student and Resident Education

- 2008-2013 Founder, primary care **evidence-based journal club**, University of Colorado Denver Internal Medicine Residency, Aurora, CO

- 2009-2013 Small group facilitator, **Problem-based learning**, University of Colorado School of Medicine
- 2010-2011 Chief Medical Resident - **daily outpatient and inpatient morning report**, focusing on Bayesian analysis, risk communication, critical appraisal, differential diagnosis, and the physical exam
- 2010-2011 **Primary care intern lecture series** on primary care topics in dermatology, orthopedics, ophthalmology, infectious disease, ethics, and evidence-based medicine
- 2010-2012 Attending and hospitalist, VA Denver
- 2011-7/2013 Instructor of Medicine, teaching attending in VA urgent care clinic one half-day per week
- 2012-present Co-creator, **Do No Harm Project**. This project seeks to promote recognition of harms from overuse and provide a foil to the dominant medical culture of ‘more is better.’ See website for further information:
www.medschool.ucdenver.edu/gim/donoharmproject
- 07/15/2013 “Critically Appraising the Literature.” Invited lecture to graduating 4th year medical students.

Invited Lectures

- 2010 **Department of Internal Medicine Grand Rounds**, “*What are the chances? Understanding and communicating health risks*,” University of Colorado School of Medicine
- 2011 **Division of General Internal Medicine Grand Rounds**, “*Bring back the Clinico-pathologic Conference*,” University of Colorado School of Medicine, Aurora, CO
- 2011 **Colorado Radiation Safety Symposium**, “*Communicating radiation risk to patients*.”
- 2012 **Annual Meeting of the American Statistical Association and the Joint Statistical Meetings**. “*Getting the Gist of a Health Risk*.” Invited oral presentation and topic contributed paper, San Diego, CA.

Committee, Organizational & Volunteer Service

- 8/2008-6/2013 Primary Care Steering Committee, University of Colorado Denver
- 6/2010-6/2011 Intern Selection Committee, University of Colorado Denver
- 6/2010-6/2011 Residency Review Committee, University of Colorado Denver
- 10/2011-6/2013 Radiation Awareness and Safety Committee, Department of Radiology, University of Colorado, Anschutz Medical Campus
- 5/2013-present **Section Editor JAMA Internal Medicine**, ‘Teachable Moments,’
- 5/2013-present **Right Care Alliance Medical Education Working Group**. Part of a national strategic initiative sponsored by the Lown Institute. This working group seeks to help clinicians critically evaluate medical evidence, understand their patients’ goals and preferences, and prevent overuse.

Bibliography

Original Peer-Reviewed Publications

1. **Caverly TJ**, Al-Khatib SM, Kutner JS, Masoudi FA, Matlock DD. “Patient Preference in the Decision to Place Implantable Cardioverter-defibrillators.” *Archives of Internal Medicine* 2012; 172(14):1104–1105. (Research Letter).
2. **Caverly TJ**, Prochazka AV. “Weighing the Potential Harms of Computed Tomography:

- Patient Survey.” *JAMA Internal Medicine* 173, no. 7 (April 8, 2013): 588–590. (Research Letter)
3. Combs BP, Rappaport M, **Caverly TJ**, and Matlock DD. “‘Due’ for a Scan: Examining the Utility of Monitoring Densitometry.” *JAMA Internal Medicine* (July 22, 2013). (Research Letter).

Invited papers, reviews, and editorials

1. **Caverly TJ**, Combs BP, Moriates C, Shah N. “Too Much Medicine Happens Too Often: The Teachable Moment and a Call for Manuscripts from Clinical Trainees.” (in press; editorial)
2. **Caverly TJ**, Prochazka AV, Binswanger IA, Kutner JS, Matlock DD. “Clinical Numeracy -- Getting the Gist of Health Risks.” *JSM Proceedings*. 2012. (Conference paper).
3. Prochazka AV, **Caverly TJ**. “General Health Checks in Adults for Reducing Morbidity and Mortality from Disease: Summary Review of Primary Findings and Conclusions.” *JAMA Internal Medicine* 173, no. 5 (March 11, 2013): 371–372. (Summary of Cochrane review)
4. Prochazka AV, **Caverly TJ**. “ACP Journal Club. Radical Prostatectomy and Watchful Waiting for Localized Prostate Cancer Did Not Differ for Quality of Life.” *Annals of Internal Medicine* 2012;156(8): JC4–03. (ACP Journal Club Review).
5. Prochazka AV, **Caverly TJ**. “Review: Varenicline Is Better Than Bupropion but Not Nicotine Patch for Smoking Abstinence in Adults.” *Annals of Internal Medicine* 2012;157(6):JC3–7. (ACP Journal Club Review).

Abstracts at National Meetings

Oral Presentations

1. **Caverly TJ**, Prochazka AV, Lucas BP, Mueller S, Binswanger IA, Kutner J, Combs BP, Matlock DD. “*Clinicians and Numbers: Usability and Validity of a Measure of Critical Risk Interpretation (CRIT)*.” Oral Presentation, Joint SMDM Abstract Session, SGIM 36th Annual Meeting, April 2013.
2. **Caverly TJ**, Prochazka AV, Binswanger IA, , Kutner JS, Matlock DD. “*Physician Innumeracy Is Associated with More Enthusiasm for Cancer Screening*.” Lee B. Lusted Finalist oral presentation, 2012 Annual Meeting, Society for Medical Decision Making, Phoenix, AZ.

Abstracts

3. **Caverly TJ**, Prochazka AV, Lucas BP, Mueller S, Binswanger IA, Kutner J, Combs BP, Matlock DD. “Framing Effects Change Clinician Risk Perceptions More Than Important Changes to a Risk's Time-Frame and Outcome.” SGIM 36th Annual Meeting, April 2013.
4. Combs BP and **Caverly TJ**. “Attending to our first obligation: the Do No Harm Project.”
5. **Caverly TJ** “*Clinical Numeracy: Getting the Gist of a Health Risk*.” Ranked #1 out of 45 presentations. Statistics Education Section at JSM 2012 in San Diego.
6. **Caverly TJ**, Richlie D, Prochazka AV, Cook-Shimanek MK, Pawlak M, Woodward J, Stickrath C. “*Risk-benefit discussion prior to CT imaging: infrequent and ineffective?*” Poster presentation, SGIM 35th Annual Meeting, May 2012.

7. Combs BP, Caverly TJ, Ross SE, Gozansky WS, Matlock DD. “*The Utility of Repeat Bone Densitometry in Women on Treatment for Low Bone Mineral Density.*” Poster presentation, SGIM 35th Annual Meeting, May 2012.

Research Papers In Progress

1. First author original research paper. Revised and re-submitted brief report 9/2013 to *Medical Decision Making*, under peer review:
“*Confusing relative risk with absolute risk is associated with more enthusiastic beliefs about the value of cancer screening.*”
2. First author original research paper. Submitted to *Annals of Internal Medicine*.
“*Doctors and Numbers: An Assessment of the Critical Risk Interpretation Test.*”
3. First author original research. Results and tables complete, paper outlined. First draft to be completed November, 2013. Submission planned to *BMJ*.
“*The relative value clinicians place on different trial outcomes: surrogate, composite, disease-specific mortality, and all-cause mortality.*”
4. Co-first author original research paper or perspective. Results and tables complete. First draft to be completed October, 2013. Submission planned to *Journal of General Internal Medicine*.
“*Prevalence still dictates the meaning of a screening test – even in an era of universal screening with nearly perfect tests.*”
5. First author perspective article, in collaboration with Eve Kerr and Sameer Saini:
“*Patient-centered preventive care.*”