

CURRICULUM VITAE AND BIBLIOGRAPHY

DATE: August 2006

NAME: Eric J. Thomas, M.D., M.P.H.

PRESENT TITLE: Associate Professor

ADDRESS: University of Texas - Houston Medical School
6431 Fannin, MSB 1.284, Houston, TX 77030
713-500-6702; 713-500-6722 (fax)
eric.thomas@uth.tmc.edu

BIRTHDATE: November 22, 1962

CITIZENSHIP: U.S.A.

**UNDERGRADUATE
EDUCATION:** 1985 B.A. University of Texas, Austin, TX

**GRADUATE
EDUCATION:** 1989 M.D. University of Texas Southwestern Medical School,
Dallas, TX
1994 M.P.H. Harvard School of Public Health, Boston, MA

**POSTGRADUATE
TRAINING:** 1989-92 Internal Medicine Resident at The University of Texas
Southwestern Medical Center, Parkland Memorial
Hospital, Dallas Veterans Administration Hospital
1992-94 Harvard Medical School Faculty Development Fellowship
in General Internal Medicine, Brigham and Women's
Hospital, Boston, MA

ACADEMIC APPOINTMENTS:

1992-94 Research Fellow in Medicine, Harvard Medical School, Boston, MA
1994-98 Instructor in Medicine, Harvard Medical School, Boston, MA
1998-2002 Assistant Professor of Medicine, Department of Medicine and Division of General
Internal Medicine, The University of Texas Houston Medical School, Houston,
TX
1998-2000 Member of the Section for Clinical Epidemiology, The University of Texas
Houston Medical School
2000-present Member of the Center for Clinical Research and Evidence Based Medicine, The
University of Texas Houston Medical School
2002-present Associate Professor with tenure, UT Houston Medical School

HOSPITAL APPOINTMENTS:

1993-97 Staff Physician, Harvard Community Health Plan Adult Urgent Care
1994-97 Staff Physician, Brookside Community Health Center
1994-98 Associate Physician, Division of General Internal Medicine, Brigham and Women's Hospital, Boston, MA
1997-98 Staff Physician, Brigham Internal Medicine Associates
1998-present Staff Physician, Memorial Hermann Hospital, Houston, TX
1998-2000 Staff Physician, Harris County Hospital District, Houston, TX

LICENSURE: 1989 Texas State Medical License
1992 Massachusetts State Medical License
1998 Texas State Medical License

CERTIFICATION: 1992-present Diplomate, American Board of Internal Medicine

PROFESSIONAL ORGANIZATIONS: 1992-present Society of General Internal Medicine

HONORS AND AWARDS:

1985 Dean's List, Graduated with Honors, The University of Texas at Austin, TX
1999 Robert Wood Johnson Foundation Generalist Physician Faculty Scholar Award
2000 Society of General Internal Medicine Runner-up Paper of the Year (Thomas EJ, et al. Costs of Medical Injuries in Utah and Colorado in 1992. *Inquiry* 1999;36:255-264)
2001 Three of Dr. Thomas' articles (see # 12-14 below) were among five cited by *Journal Watch* (2000;21:7) in their selection of medical error and patient safety as one of the top 10 medical stories of 2000.
2002 Best Paper award by Academy of Health Services Research (Woods D, Thomas EJ. Frequency, Types and Severity of Preventable Adverse Medical Events In Children.)
2003 Dean's Excellence in Teaching Award, UT Houston Medical School
2006 Most Outstanding Abstract, Academy Health National Meeting (Woods D, Thomas EJ. Ambulatory Care Adverse Events and Preventable Adverse Events Leading to Hospital Admission).

EDITORIAL POSITIONS:

2004-present Editorial Board, Journal of Patient Safety
2004-present Editorial Board, WebM&M
2005-present Editorial Board, Journal of General Internal Medicine

SERVICE ON NATIONAL AND INTERNATIONAL GRANT REVIEW PANELS, STUDY SECTIONS, AND COMMITTEES:

- | | |
|--------------|---|
| 6/2001 | Reviewer for the U.S. Agency for Healthcare Research and Quality RFA on Developmental Centers for Evaluation and Research in Patient Safety |
| 9/2001 | Reviewer for Canadian Institutes of Health Research (formerly the Medical Research Council of Canada) RFA on Canadian healthcare quality |
| 2001 | Abstract review committee for 2001 Society of General Internal Medicine National Meeting |
| 2/2002 | Reviewer for The Israel Science Foundation |
| 2002-2004 | Steering Committee, Patient Safety Research Coordinating Center, Agency for Healthcare Research and Quality, Department of Health and Human Services |
| 2002 | Technical Expert Panel for the Medicare Patient Safety Monitoring System. Purpose is to advise the Centers for Medicare and Medicaid Services (formerly HCFA) on patient safety monitoring and improvement activities. |
| 2002 | Reviewer for the United Kingdom's Department of Health RFA on patient safety |
| 2002-2003 | Planning Committee for national meeting of Society of General Internal Medicine. Co-Chair, one-on-one mentoring committee |
| 2003 | Member of the Patient Safety Working Group of the American Board of Medical Specialties and Council of Medical Specialty Societies. Purpose to incorporate patient safety into member societies and boards curricula, quality improvement materials, and assessment tools as they relate to maintenance and certification programs. |
| 2004 | Member of The University of Texas System Task Force on Public Health. |
| 2004-present | Society of General Internal Medicine Research Committee |
| 2006-2007 | United Kingdom National Institute for Health Research – Review panel and site visits for Centres for National Health Service Quality and Safety |
| 2006-2007 | World Health Organization: World Alliance for Patient Safety, Research Program Advisory Committee. |
| 2006 | Netherlands Organisation for Health Research and Development, Patient Safety Program, external reviewer. |

SERVICE ON UT COMMITTEES:

1999-2001	Curriculum Committee
2000-present	Professional Liability Committee
2000-present	Committee for the Protection of Human Subjects
2003-2005	Faculty Senate, UT Houston Medical School
2004-present	3 rd and 4 th Curriculum Subcommittee
2005-present	Research Council, Department of Medicine
2006-present	Admissions Committee for the M.S. in Clinical Research

SERVICE ON UT AFFILIATED HOSPITAL COMMITTEES:

1998-2001	Hermann Hospital Pharmacy and Therapeutics Committee
1998-1999	Memorial Hermann Center for Healthcare Improvement Advisory Committee
2002-2005	Memorial Hermann Hospital Patient Safety Committee
2002-2005	Memorial Hermann Hospital Performance Improvement Committee

SERVICE TO THE COMMUNITY:

1999-present	Volunteer at Nehemiah Neighborhood Center: 1 hour per week during school year helping MacGregor Elementary students with homework.
2000-present	Endowment Advisory Committee for Shakespeare at Winedale, Department of English, The University of Texas Austin
2004-2007	Elder, First Presbyterian Church Houston

SPONSORSHIP OF POSTDOCTORAL FELLOWS:

1999-present	Co-Director, The University of Texas Houston Medical School Joint Primary Care Fellowship, Director, General Internal Medicine Fellowship.
1999-2001	Umair Shah MD, MPH. General Internal Medicine Fellow. Current position (2004): Deputy Director Harris county Public Health & Environmental Services and Division Director for the Community Health Services Division.
2000-2002	Shezi Ali MD. General Internal Medicine Fellow. Current position (2003): Community practice, Kansas City, Missouri.
2002-2003	Aime Serna MD, MPH. General Internal Medicine Fellow. Current position (2004): Community practice, El Paso, Texas.
2002-2005	Isitri Modak MD. MPH committee member and primary mentor. Current position: Assistant Professor, Wayne State University
2003-present	Esmail Porsa MD, current fellow.
2005-present	Kevin Hwang MD, current fellow.

SPONSORSHIP OF DOCTORAL CANDIDATES:

- 2000-2002 Bryan Sexton PhD. Doctoral thesis committee, Department of Psychology, University of Texas at Austin. Current position (2004): Assistant Professor in the Johns Hopkins Quality and Safety Research Group, Department of Anesthesiology and Critical Care Medicine, The Johns Hopkins University School of Medicine.
- 2001-2003 Donna Woods, PhD. Doctoral thesis committee, Heller School for Social Policy and Management, Brandeis University. Current position (2004): Assistant Professor, Institute for Health Services Research and Policy Studies in the Feinberg School of Medicine, Northwestern University

TEACHING RESPONSIBILITIES:

- 1998-present Attending Physician at Hermann Hospital (1-3 months per year) and general medicine clinic (2 sessions per week with 4 residents per session)
98-99 average student evaluation = 2.76 on 1-4 scale (n=3)
99-00 average student evaluation = 3.29 on 1-4scale (n=12)
00-01 average student evaluation = 3.52 on 1-4 scale(n=15)
01-02 average student evaluation = 3.81 on 1-4 scale (n=5)
02-03 average resident evaluation = 4.64 on 1-5 scale
03-04 average student evaluation = 3.51 on 1-4 scale (n=3)
03-04 average resident evaluation = 4.9 on 1-5 scale (n=3)
04-05 average student evaluation = 3.27 on 1-4 scale (n=4)
04-05 average resident evaluation = 4.8 on 1-5 scale
- 1999-2000 Tutor for UT Houston Medical School 4th year student evidence-based medicine course. No student rating available
- 1999 Tutor for UT Houston Medical School second year student problem based learning course.

Average student evaluation = 3.61 on a 1-4 scale.
- 1999 Tutor for UT Houston Medical School Department of Family Practice sessions on the medical history and physical exam for first and second year students. Approximately 4 sessions.

Average student evaluation = 3.92 on 1-4 scale.
- 2000-2001 Assisted course director in designing an evidence based medicine component for the 4th year student ambulatory internal medicine rotation. Created handouts/overheads on diagnostic tests. Led two classes of 20 students in May 2001.

TEACHING RESPONSIBILITIES: (cont'd)

1999-present Co-director, The University of Texas Houston Medical School Joint Primary Care Fellowship, Director General Internal Medicine Fellowship.

Dr. Thomas' didactic teaching sessions (2 per year) have always been rated 4.0 or higher (on a 5 point scale) by the fellows.

11/30/00 Lecture on medical error for Analysis of Nursing Practice Context, a class for nursing doctoral students. Approximately 15 students.

1/5/01 Lecture on disease screening in primary care for internal medicine housestaff and students. Approximately 50 residents and students.

1/22/01 Lecture on medical error for Outcomes Research course at UT School of Public Health. Approximately 30 students.

2/28/02 4th year medical student CPX exam

3/22/2 Residents journal club. Department of Internal Medicine

11/02 Lecture on medical error for Analysis of Nursing Practice Context, a class for nursing doctoral students. Approximately 15 students.

CURRENT GRANT SUPPORT:

2003-2007 Agency for Healthcare Research and Quality, Measuring the Value of Remote ICU Monitoring (1 R01 HS15234-01). Total award \$1.5 million. Principal Investigator.

2001-2006 Agency for Healthcare Research and Quality. The University of Texas Center of Excellence for Patient Safety Research and Practice. Grant # 1 PO1 HS11544-01. Total award \$7.2 million. Principal Investigator

2003-2006 Health Resources and Services Administration, *Joint Primary Care Research Fellowship*. Total award \$1.96 million. Co-Director.

PAST GRANT SUPPORT:

1994-96 Robert Wood Johnson Foundation. *Utah and Colorado Medical Practice Studies*. 50% effort. Total award \$1.7 million. Co-Investigator

1994-1997 Commonwealth of Massachusetts. *Quality of care for injured workers*. 25% effort. Co-Investigator

1996-97 Robert Wood Johnson Foundation. *Colorado Medical Practice Study II*. 30% effort. Total award \$202,478. Co-Investigator

PAST GRANT SUPPORT: (cont'd)

- 1997-98 Center for Alternative Medicine Research, Beth Israel Deaconess Medical Center, Harvard Medical School. *Use of alternative therapies for chronic low back pain.* 40% effort. Co-Investigator
- 1997-98 Department of Health and Family Services, Commonwealth of Australia. *International Collaborative Study on Medical Injury.* 25% effort. Total award \$109,214. Co-Investigator.
- 1997-98 Robert Wood Johnson Foundation. *The Reliability of Two Processes for Detecting Adverse Events in Hospitalized Patients.* 20% effort. Total award \$120,734. Co-Principal Investigator
- 1998-99 Robert Wood Johnson Foundation. *Impact of National Practitioner Data Bank Reporting Requirements on the Medical Malpractice Claims Resolution Process.* 15% effort. Total award \$359,376. Co-Investigator
- 1999 American Association of Retired Persons. *Incidence and Types of Preventable Adverse Events in the Elderly.* 20% effort. Total award \$21,735. Principal Investigator
- 1999 Memorial Hermann Center for Healthcare Improvement. *Measuring Teamwork to Improve Patient Safety.* Total award \$29,000. Principal Investigator.
- 2001-2004 Agency for Healthcare Research and Quality. Malpractice Insurers Medical Error Prevention Study. Total award \$4.2 million. PI of Subcontract. PI: David Studdert, Harvard School of Public Health
- 1999-2004 Robert Wood Johnson Foundation Generalist Physician Faculty Scholar Award. *Improving Patient Safety in Healthcare Organizations.* Total award \$240,000. Principal Investigator.
- 2000-2003 Agency for Healthcare Research and Quality. *Teamwork and Error in Neonatal Intensive Care.* Grant # U18 HS11164. Total award \$677,076. Principal Investigator.
- 2000-2003 Health Resources and Services Administration, *Joint Primary Care Research Fellowship.* Co-Director.
- 2000-2003 Aetna US Healthcare Academic Medicine and Managed Care Forum. *Improving Medication Safety by Learning from Experience.* Total award \$174,000. Co-investigator. PI: Michal Tamuz.
- 2001-2004 Tools and Methods for Monitoring Patient Safety. Small Grant Program for Conference support from Agency for Healthcare Research and Quality. Total award \$27,000. Principal Investigator.

PUBLICATIONS:

A. Abstracts

1. EJ Thomas, L Goldman, CM Marngione, EF Cook, LE Ludwig TH Lee. The Recovery Room Electrocardiogram: Who needs it? *Journal of General Internal Medicine*, 1994;9S:37
2. LA Peterson, EJ Orav, EJ Thomas, HR Burstin, JA Brandenburg, BC Costenbader, AC O'Neil, J Finkelstein, TA Brennan. Non-urgent Emergency Department use: Does having a primary doctor matter? *Journal of General Internal Medicine* 1994;9S:63
3. EJ Thomas, HR Burstin, LA Peterson, EJ Orav, J Finkelstein, AC O'Neil, JA Brandenburg, TA Brennan. Non-compliance after the Emergency Department visit: Patient or process? *Journal of General Internal Medicine* 1994;9S:69
4. EJ Thomas, WG Johnson, SC Marcus, TA Brennan. The application of practice guidelines to a workers compensation claims and dataset in California. *Journal of General Internal Medicine* 1995;10S:84
5. EJ Thomas, BI Zbar, DS Studdert, JP Newhouse, KM Howard, EJ Williams, J Bayuk, TA Brennan. Costs of alternative approaches to compensation of medical injuries in Colorado and Utah. *Journal of General Internal Medicine* 1997;12S:80
6. EJ Thomas, HR Burstin, EJ Orav, T Zeena, EJ Williams, KM Howard, PC Weiler, TA Brennan. Incidence and risk factors for adverse events and negligent care in Colorado and Utah in 1992. *Journal of General Internal Medicine* 1997;12S:81
7. EJ Thomas, EJ Orav, TA Brennan. Types of adverse events in hospitalized patients in Utah and Colorado. *Journal of General Internal Medicine* 1998;13S:46
8. JM Rothschild, LA Peterson, EJ Thomas, TK Gandhi, DW Bates. Interlater reliability in determination of adverse drug events. *Journal of General Internal Medicine* 1999; 14S:46
9. EJ Thomas, B Sexton, RL Helmreich. Error, stress, and teamwork in medicine and aviation: A multinational study. *Journal of General Internal Medicine* 2000;15:149
10. Tamuz M, Thomas EJ. Organizational Learning from Medication Mishaps: A Study of Hospital Pharmacies, *Academy of Management*, August 2000.
11. Sexton JB, Thomas EJ, Helmreich RL. Diagnosing Teamwork in Intensive Care Units: Differing Perceptions of Physicians and Nurses, *American Psychological Society*, June 14-17, 2001.
12. Woods D, Thomas EJ. Frequency, Types and Severity of Preventable Adverse Medical Events In Children. *Academy of Health Services Research*, June 2002.
13. Sherwood, G. & Thomas, E., "Building a Caring Team for a Safer Health Care System", *Creating Caring Environments: 24th International*

Abstracts: (cont'd)

14. Association for Human Caring Conference, May 23-24, 2002, Boston, MA.
15. Sherwood, G. & Thomas, E., "Qualitative Descriptions to Develop a Teamwork Model to Improve Patient Safety", 2002 Advancing Nursing Practice Excellence: State of the Science Congress, Sept. 25-28, 2002, Washington, D.C.
16. Sherwood, G. & Thomas E., "Change the Way We Work Together: Teamwork Improves Patient Safety", Nursing Management Congress 2002, October 13-16, 2002, Dallas, TX.
17. Etchegary JM, Sexton JB, Helmreich RL, Thomas EJ. Job Satisfaction Ratings: Measurement Equivalence Across Physicians and Nurses. Society for Industrial and Organizational Psychologists. April 11, 2003.
18. Tamuz, M., Thomas, E. J. & Franchois, K. E. ³Seeing through the definitions: Gathering information about and learning from medication errors. Academy of Management annual meeting. Seattle, August 1-6, 2003.
19. Tamuz, M., Thomas, E. J. & Franchois, K. E. Event Classification in Patient Safety Reporting Systems. Academy Health Services Research Annual Research Meeting. Nashville, TN, June 27-29, 2003.
20. Tamuz M, Thomas EJ, Russell C, Faris Richard. Defining and Learning from Safety-Related Events: Developing a Self-Assessment Tool for Hospitals. Academy of Health Services Research, Annual Meeting, San Diego June 6, 2004.
21. Thomas EJ, Sexton BJ, Nieland TB. The effect of executive walkrounds on safety climate. Journal of General Internal Medicine 2004;199(s):217.
22. Woods D, Thomas EJ, Holl JL. Patient safety problems in adolescents. Academy Health Annual Meeting, June 2004 and National Patient Safety Foundation Annual Meeting, May 2004.
23. Tamuz M, Franchois KE, Thomas EJ. "Rashamon"* Hospital: Exploring how Categorization Influences Organizational Learning from an Adverse Drug Event Sixth Annual Health Care Organizations Conference, Boston MA, June 17-18, 2004.
24. Tamuz M, Russell C, Thomas EJ. Developing a passion for discovery: Organizational learning from medical error. 6th International Conference on Learning and Knowledge, Trento Italy June 9-11, 2005.
25. Kachalia A, Gandhi T, Thomas EJ, Yood C, Puopolo AL, Brennan TA, Studdert D. An analysis of claims of missed or delayed diagnoses in the ambulatory setting: diagnoses, process of care breakdowns, and contributing factors. Oral presentation at the annual meeting of the Society of General Internal Medicine, New Orleans, May 14, 2005.

Abstracts: (cont'd)

26. Chin MH, Mangione CM, Philips RS, Thomas EJ, Tsevat J, Bell DS, Zelder M. Evaluation of SGIM's year-long mentoring program. Oral presentation at the annual meeting of the Society of General Internal Medicine, New Orleans, May 13, 2005.
27. Tamuz M, Thomas EJ. Danger in the Guise of Safety: Near Miss as a System Failure? A Success? Or a Good Nurse at Work? Academy of Management National Meeting, Honolulu Hawaii, August 5, 2005.
28. Tamuz M, Thomas EJ. Defining Dangers: Event Classification in Aviation Safety Information Systems and Hospitals" Academy of Management Meeting, Atlanta, Georgia August 11-16, 2006.
29. Woods D, Thomas EJ. Ambulatory Care Adverse Events and Preventable Adverse Events Leading to Hospital Admission. Academy Health Annual Research Meeting, Seattle WA, June 25, 2006.
30. Chu-Weininger MYL, Johnson TR, Tang Z, Thomas E. The eICU as a clinical information system: Interface design and information representation. Proceedings of the AMIA Spring Congress Meeting, Phoenix AZ, May 16-18, 2006.
31. Mello MM, Studdert DM, Thomas EJ, Yoon C, Brennan TA. Economic Incentives for Patient Safety Improvement: An Analysis of Hospital Adverse Event Costs and Where They Fall. Conference on Empirical Legal Studies, Austin TX, October 27-28, 2006.

B. Peer Reviewed Original Articles in Journals

1. **Thomas EJ**, Burstin HR, Orav EJ, O'Neil AC, Brennan TA. Patient noncompliance with medical advice after the emergency department visit. *Annals of Emergency Medicine* 1996;27:49-55.
2. Lee TH, **Thomas EJ**, Ludwig L, Sacks D, Johnson PA, Donaldson MC, Cook EF, Pedan A, Kuntz KM, Goldman L. Troponin T as a marker for myocardial ischemia in patients undergoing major noncardiac surgery. *American Journal of Cardiology*. 1996;77:1031-1036.
3. **Thomas EJ**, Goldman L, Mangione CM, Marcantonio ER, Cook EF, Ludwig L, Sugarbaker D, Poss R, Donaldson M, Lee T. Body mass index as a correlate of postoperative complications and resource utilization. *American Journal of Medicine*. 1997;102:277-283.
4. Lopez-Jimenez F, Goldman L, Sacks DB, **Thomas EJ**, Johnson PA, Cook EF, Lee TH. Prognostic value of cardiac troponin T after noncardiac surgery: six month follow-up data. *Journal of the American College of Cardiology* 1997;29:1241-1245.
5. Studdert DS, **Thomas EJ**, Zbar BI, Newhouse JP, Bayuk J, Brennan TA. Costs of alternative approaches to compensation of medical injuries in Colorado and Utah. *Law and Contemporary Problems* 1997;60:1-34.
6. Chin MH, Covinsky KE, McDermott MM, **Thomas EJ**. Building a Research Career in General Medicine: A Perspective From Young Investigators. *Journal of General Internal Medicine* 1998;13:117-122.

Peer Reviewed Original Articles in Journals (cont'd)

7. Lopez-Jimenez F, Goldman L, Thomas EJ, Kuntz KM, Sacks DB, Lee TH. Predictive value of creatine kinase (CK)-MB for diagnosis of acute myocardial infarction after major noncardiac surgery. *Arch Med Res* 1998;29:33-7.
8. **Thomas EJ**, Studdert D, Newhouse JP, Zbar BIW, Howard KM, Williams EJ, Brennan TA. Costs of Medical Injuries in Colorado and Utah in 1992. *Inquiry* 1999;36:255-264.
9. **Thomas EJ**, Hafler JP, Woo B. The patient's experience of being interviewed by first year medical students. *Medical Teacher*. 1999;21:311-314.
10. Gawande AA, **Thomas EJ**, Zinner MJ, Brennan TA. The incidence and nature of surgical adverse events in Colorado and Utah in 1992. *Surgery*. 1999;126:66-75. Editorial comment pp 76-77.
11. Lee TH, Marcantonio ER, Mangione CM, **Thomas EJ**, Polanczyk CA, Cook EF, Sugarbaker DJ, Donaldson MC, Poss R, Ho KL, Ludwig LE, Pedan A, Goldman L. Derivation and prospective validation of a simple index for prediction of cardiac risk of major noncardiac surgery. *Circulation*. 1999;100:1043-1049.
12. **Thomas EJ**, Studdert DM, Burstin HR, Orav EJ, Zeena T, Williams EJ, Howard KM, Weiler PC, Brennan TA. Incidence and Types of Adverse Events and Negligent Care in Utah and Colorado in 1992. *Medical Care*. 2000;38:261-271. Editorial comment pp 247-249.
13. Studdert DM, **Thomas EJ**, Burstin HR, Zbar BIW, Orav EJ, Brennan TA. Suing for Malpractice in Utah and Colorado. *Medical Care*. 2000;38:250-260. Editorial comment pp 247-249.
14. **Thomas EJ**, Brennan, TA. The incidence and types of preventable adverse events in the elderly. *British Medical Journal*. 2000;320:741-744.
15. Sexton JB, **Thomas EJ**, Helmreich RL. Error, stress, and teamwork in medicine and aviation: data from the frontlines. *British Medical Journal*. 2000;320:745-749.
16. **Thomas EJ**, Orav, EJ, Brennan TA. Hospital ownership and preventable adverse events. *Journal of General Internal Medicine*. 2000;15:211-219. Editorial comment pp 269-270.
17. **Thomas EJ**, Studdert DM, Runciman WB, Webb RK, Sexton EJ, Wilson RM, Gibberd RW, Harrison BT, Brennan TA. A comparison of iatrogenic injury studies in Australia and the United States I: Context, methods, casemix, population, patient and hospital characteristics. *The International Journal for Quality in Health Care* 2000;12:371-378. Editorial comments pp 357-358, 363-365.
18. Runciman WB, Webb RK, Helps SC, **Thomas EJ**, Sexton EJ, Studdert DM, Brennan TA. A comparison of iatrogenic injury studies in Australia and America II: Reviewer behaviour and quality of care. *The International Journal for Quality in Health Care* 2000;12:379-388. Editorial comments pp 357-358, 363-365.

Peer Reviewed Original Articles in Journals (cont'd)

19. Studdert DM, Brennan TA, **Thomas EJ**. Beyond dead reckoning: measures of medical injury burden, malpractice litigation, and alternative compensation models from Utah and Colorado. *Indiana Law Review* 2000;33:1643.
20. Starck PL, Sherwood GD, Adams-MacNeill J, **Thomas EJ**. Errors in Pain Management: A New Model for an Old Problem. *Joint Commission Journal on Quality Improvement* 2001;27:191-199.
21. Polanczyk CA, Rohde LE, Goldman L, Cook EF, **Thomas EJ**, Marcantonio ER, Mangione CM, Lee TH. Right heart catheterization and complications in patients undergoing noncardiac surgery: an observational study. *Journal of the American Medical Association* 2001;286:309-314.
22. **Thomas EJ**, Lipsitz SR, Studdert DM, Brennan TA. The reliability of medical record review for estimating adverse event rates. *Annals of Internal Medicine* 2002;136:812-816.
23. Luther KM, Maguire L, Mazabob J, Sexton JB, Helmreich RL, **Thomas EJ**. Engaging nurses in patient safety. *Critical Care Nursing Clinics of North America* 2002;14:341-6.
24. Sherwood G, **Thomas EJ**, Simmons-Bennett D, Lewis P. A teamwork model to promote patient safety in critical care. *Critical Care Nursing Clinics of North America* 2002;14:333-340.
25. **Thomas EJ**, Sexton BJ, Helmreich RL. Discrepant attitudes about teamwork among critical care nurses and physicians. *Critical Care Medicine* 2003;31:956-959. Editorial comment p. 993.
26. **Thomas EJ**, Petersen LA. Measuring errors and adverse events in healthcare. *Journal of General Internal Medicine* 2003;18:61-67.
27. Waters TM, Studdert DM, Brennan TA, **Thomas EJ**, Almagor O, Mancewicz M, Budetti PP. Impact of the National Practitioner Data Bank on resolution of malpractice claims. *Inquiry* 2003 40(3): 283-294.
28. Tamuz M, **Thomas EJ**, Franchois KM. Defining and classifying medical error: Lessons for patient safety reporting systems. *Qual Saf Health Care* 2004;13:13-20. Editorial comment p. 8-9.
29. **Thomas EJ**, Sherwood GD, Mulhollem JL, Sexton JB, Helmreich RL. Working together in the neonatal intensive care unit: provider perspectives. *J Perinatol* 2004 Sep;24(9):552-559.
30. Woods DM, **Thomas EJ**, Holl JL, Altman SH, Brennan TA. Adverse events and preventable adverse events in children. *Pediatrics* 2005; 115: 155-160.
31. **Thomas EJ**, Sexton JB, Helmreich RL. Translating Teamwork Behaviors from Aviation to Healthcare: Development of Behavioral Markers for Neonatal Resuscitation. *Quality and Safety in Healthcare* 2004;13(suppl 1):i57-64.
32. **Thomas EJ**, Sexton JB, Neilands TB, Frankel A, Helmreich RL. The effect of executive walk rounds on nurse safety climate attitudes. A randomized trial of clinical units. *BMC Health Services Research* 2005;5:28.

Peer Reviewed Original Articles in Journals (cont'd)

33. Woods DM, Mohr J, Mehra M, Shonkoff JP, **Thomas EJ**, Lannon C, Ogata ES, Holl JL. Anatomy of a Patient Safety Event: A Pediatric Patient Safety Taxonomy. *Quality and Safety in Healthcare* 2005;14:422-427.
34. Etchegary JM, **Thomas EJ**, Geraci JM, Simmons D, Martin SK. Differentiating close calls from errors. A multidisciplinary perspective. *J Patient Saf* 2005;1:133-137.
35. Brennan TA, Gawande A, **Thomas EJ**, Studdert DM. Accidental deaths, saved lives, and improved quality. *N Engl J Med* 2005; 353:1405-1409.
36. Modak I, Sexton JB, Lux TR, Helmreich RL, **Thomas EJ**. Measuring Safety Related Attitudes in the Ambulatory Setting: The Ambulatory Safety Attitudes Questionnaire. *Journal of General Internal Medicine* 2006, in press.
37. Woods DM, **Thomas EJ**, Klein J, Holl JL. Patient safety problems in adolescent medicine. *Journal of adolescent health* 2006;38:5-12. Editorial comment pages 1-4.
38. **Thomas EJ**, Sexton JB, Lasky RE, Helmreich RL, Crandell S, Tyson J. Teamwork and Quality during Neonatal Care in the Delivery Room. *J Perinatol* 2006;26:163-169.
39. Singh H, Petersen LA, **Thomas EJ**. Understanding Diagnostic Errors in Medicine: a Lesson from Aviation. *Quality and Safety in Healthcare* 2006;15:159-164.
40. Sexton JB, Makary MA, Tersigni AR, Pryor D, Hendrich A, Thomas EJ, Holzmueller CG, Wu Y, Pronovost PJ. Teamwork in the Operating Room: Frontline Perspectives among Hospitals and Operating Room Personnel. *Anesthesia*, in press.
41. Sexton JB, Helmreich RL, Neilands TB, Rowan K, Vella K, Boyden J, Roberts PR, **Thomas EJ**. The Safety Attitudes Questionnaire: Psychometric Properties, Benchmarking Data, and Emerging Research. *BMC Health Services Research* 2006;6:44.
42. Sexton JB, Holzmueller CG, Pronovost PJ, **Thomas EJ**, McFerran S, Nunes J, Thompson DA, Knight AP, Penning DH, Fox HE. Variation in Caregiver Perceptions of Teamwork Climate in Labor and Delivery Units. *J Perinatol* 2006, in press.
43. Tamuz M, **Thomas EJ**. Comparing the classification of aviation and patient safety mishaps. *Journal of Organizational Behavior*, in press.
44. Bernstam EV, Pancheri KK, Johnson CM, Johnson TR, **Thomas EJ**, Turley JP. Reasons for after-hours calls by hospital floor nurses to on-call physicians. *Joint Commission Journal on Quality and Patient Safety*, in press.
45. Kachalia A, Gandhi TK, Puopolo AL, Yoon C, **Thomas EJ**, Griffey R, Brennan TA, Studdert. DM. Missed and Delayed Diagnoses in the Emergency Department: A Study of Closed Malpractice Claims from Four Liability Insurers. *Annals of Emergency Medicine*, in press.

Peer Reviewed Original Articles in Journals (cont'd)

46. Gandhi TK, Kachalia A, **Thomas EJ**, Puopolo AL, Yoon C, Brennan TA, Studdert DM. Missed and delayed diagnoses in the ambulatory setting. A study of closed malpractice claims from four liability insurers. *Annals of Internal Medicine*, in press.

C. Invited Articles

1. Thomas EJ. Commentary on article titled "Evidence on interventions to reduce medical errors. An overview and recommendations for future research". In *ACP Journal Club* 2001;135:115.
2. **Thomas EJ**, Sherwood GD, Helmreich RL. Lessons from aviation: teamwork to improve patient safety. *Nursing Economics* 2003;21:241-243.
3. **Thomas EJ**, Moore FA. The missing tip. *AHRQ Web M&M*, November, 2003. At <http://webmm.ahrq.gov>.
4. Thomas EJ. (Book review). *To Do No Harm: Ensuring Patient Safety in Health Care Organizations*. *N Engl J Med* 2005; 352:2762-2763.
5. Thomas EJ. Malpractice claims: finding the silver lining. *Southern Medical Journal* 2005;98:1065.
6. Thomas EJ. Aviation Safety Methods: Quickly Adopted but Questions Remain. *AHRQ Web M&M*, January, 2006. Available at <http://webmm.ahrq.gov/perspective.aspx?perspectiveID=16>.

D. Book Chapters

1. **Thomas EJ**, Brennan TA. Errors and Adverse Events in Medicine: An Overview. In: Vincent C. ed. *Clinical Risk Management*. London: BMJ Press, 2000.
2. **Thomas EJ**, Helmreich RH. Will Airline Safety Models Work in Medicine? In: Rosenthal M., Sutcliffe KM, eds. *Medical Error*. San Francisco: Josey Bass, 2002.
3. Studdert DM, **Thomas EJ**, Brennan TA. What Have We Learned Since the Harvard Medical Practice Study? In: Rosenthal M., Sutcliffe KM, eds. *Medical Error*. San Francisco: Josey Bass, 2002.
4. Sexton JB, **Thomas EJ**. Measurement: Assessing a Safety Culture. In: Leonard M, Frankel A, Simmonds T, with Vega K, eds. *Achieving Safe and Reliable Healthcare*. Chicago: Health Administration Press, 2004.
5. **Thomas EJ**, Orav EJ, Brennan TA. Hospital Ownership and Preventable Adverse Events. In: Navarro V, Muntaner C, eds. *Political and Economic Determinants of Population Health and Well-Being. Controversies and Developments*. Amityville: Baywood, 2004.

INVITED PRESENTATIONS:

- 1993 *Body Mass Index as a Correlate of Postoperative Complications and Resource Utilization.* Harvard School of Public Health Clinical Epidemiology Seminar
- 1996 *Adverse Events in Hospitalized Patients and the Implications for "No-Fault" Medical Malpractice.* Harvard School of Public Health Quality of Care Research Seminar.
- 1996 *Adverse Events in Hospitalized Patients and the Implications for "No-Fault" Medical Malpractice.* Harvard School of Public Health Clinical Epidemiology Seminar.
- 1996 *Designing No-Fault Medical Malpractice Alternatives, Two New Approaches.* Association for Public Policy Analysis and Management National Meeting.
- April 1997 *Junior Faculty Research Development in the Changing Academic Medical Center (Workshop).* Peer-reviewed, invited workshop, Society of General Internal Medicine National Meeting.
- November 1997 *Incidence and Risk Factors for Adverse Events in Utah and Colorado.* Medical Grand Rounds, Brigham and Women's Hospital Boston, MA
- October 14, 1999: *Large Scale Studies of Iatrogenic Injury: Are They Worth it?* University College of London, London, England
- February 17, 2000 *Measuring Teamwork to Improve Patient Safety.* University of Texas School of Nursing Research Conference.
- May 5, 2000 *Overcoming Common Problems in Developing a Research Career.* Peer-reviewed, invited workshop presentation at the national meeting of the Society of General Internal Medicine, Boston MA. Co-Presenters: Marshall Chin, Mary McDermott, Amy Justice, Ken Kovinsky.
45 attendees, 20 of them rated it 4.45 out of 5 (mean score of all workshops 4.27).
- May 23 & 30, 2000 *Measuring Teamwork to Improve Patient Safety,* to nursing staff at Memorial Hermann Children's Hospital Neonatal Intensive Care
- June 16, 2000 *Error, stress, and Teamwork.* Texas Forum on Health Safety, Houston, TX
- November 2, 2000 *Health Services and Outcomes Research at UT Houston Medical School and Memorial Hermann Hospital.* Houston Area Health Services and Outcomes Research Conference, Houston TX
- November 29, 2000 *Outcomes Research and Error in Medicine.* University of Texas School of Nursing, graduate seminar Analysis of Nursing Practice Context.

INVITED PRESENTATIONS: (cont'd)

- December 8, 2000 *Medical Mistakes: Doing Research on a Sensitive Topic.* Annual meeting of the Robert Wood Johnson Foundation Generalist Physician Faculty Scholars, Carlsbad CA.
- March 24, 2001 *Error in Medicine.* The University of Texas Houston Medical School Research Retreat. Woodlands TX
- April 12, 2001 *Teamwork and Error in Neonatal Intensive Care.* Systems-related best practices annual grantees meeting. Agency for Healthcare Research and Quality, Washington D.C.
- April 20, 2001 *Medical Errors and Patient Safety.* Memorial Hermann Healthcare System Board Retreat. Austin, TX.
- October 29, 2001 *Medical Error and Outcomes Research* The University of Texas School of Public Health, guest lecturer for outcomes research course. Houston TX.
- November 14, 2001 *Medical Error.* Houston Area Health Services Research Conference. Houston TX.
- December 5, 2001 *Improving Patient Safety in Healthcare Organizations.* Annual meeting of the Robert Wood Johnson Generalist Physician Faculty Scholars. San Diego, CA
- December 9, 2001 *Teamwork and Error in Neonatal Intensive Care, the Aviation Approach.* Vermont Oxford Network Annual Quality Congress for Neonatology: Patient Safety in the NICU. Washington DC
- February 28, 2002 *Error in Medicine.* Medical Grand Rounds, The University of Texas Houston Medical School
- April 17, 2002 *Medical Error in the Elderly.* Geriatrics Grand Rounds. The University of Texas Southwestern Medical School
- May 21, 2001 *Reducing Medical Errors.* Spring Branch Medical Center Continuing Medical Education Forum
- June 18, 2002 *Reducing Medical Errors.* UT Houston Department of Pediatrics Grand Rounds.
- July 25, 2002 *Reducing Medical Errors.* Baylor College of Medicine Department of Medicine Grand Rounds
- September 27, 2002 *Medical Errors: Recognition of the Problem and Prevention.* UT Division of Neonatology CME course.
- October 15, 2002 *Improving Patient Safety.* University of Texas Houston Medical School, Department of Surgery, Grand Rounds

INVITED PRESENTATIONS: (cont'd)

- November 14, 2002 Medical Error: Bridging the Gap between Research and Practice is UT School of Public Health, Collaborative Brown Bag seminar
- November 14, 2002 Patient Safety: What's Your Role? Memorial Hermann Hospital Patient Safety Fair.
- November 22, 2002 Transferring Safety Practices From Aviation to Healthcare. The University of Texas MD Anderson Cancer Center Institutional Grand Rounds
- January 8, 2003 Improving Patient Safety. Grand Rounds, Department of Pathology, The University of Texas Houston Medical School
- January 28, 2003 Medical Errors, an Overview. Pulmonary Division Research Conference, Dept of Pediatrics, Baylor College of Medicine
- March 1, 2003 Tools and Methods for Monitoring Patient Safety: The Role of Medical Record Review. Dr. Thomas was PI of a conference grant from AHRQ that supported this conference.
- April 15, 2003 Medical Error: Recognition and Prevention. Division of Cancer Medicine Grand Rounds, The University of Texas MD Anderson Cancer Center.
- June 3, 2003 Developing a Culture of Patient Safety. Presented at the Agency for Healthcare Research and Quality's User Liaison Program. Seattle, Washington. Audience comprised of representatives from hospitals, professional societies, and legislatures of 23 states.
- June 26, 2003 Teamwork and Error in Neonatal Intensive Care. Fifth Child Health Services Research Meeting, Nashville TN
- November 7, 2003 Achieving Broader Adoption of Effective Practices. Panel presentation at the 2nd National Summit on Patient Safety Research, Washington DC. Sponsored by the Quality Interagency Coordination Taskforce, a group of 11 Federal agencies.
- November 15, 2003 Safe at Home. Texas Academy of Internal Medicine. San Antonio Texas.
- December 7, 2003 Teamwork and Error during Neonatal Resuscitation. The Vermont Oxford Network 4th Annual Quality Congress for Neonatology. Washington DC.
- February 10, 2004 Tennessee State Forums Partnership. Making the Connection: The Link Between Malpractice Liability and Improved Health. A presentation to 16 state legislators, 7 staff members, and other healthcare leaders in the state.
- May 7 2004 Teamwork During Neonatal Resuscitation. Stanford University School of Medicine, Center for Advanced Pediatric Education, Palo Alto, CA.

INVITED PRESENTATIONS: (cont'd)

- August 5, 2004 Resident Work Hours, Fatigue, and Quality of Care. Grand Rounds, Department of Surgery, University of Texas Houston Medical School.
- May 12, 2005 Career Development Issues of the Mid-Career Clinician Investigator. Peer-reviewed, invited workshop presentation at the national meeting of the Society of General Internal Medicine, New Orleans, LA. Co-Presenters: Marshall Chin, Mary McDermott, Amy Justice, Ken Kovinsky. Overall session rating 4.33 out of 5. Average for all other meeting workshops 4.28. 73% response rate.
- July 25, 2005 Professional Responsibility and Medical Errors. Ben Taub Bioethics Grand Rounds

ADVISORY PANEL:

- 2000-2004 WebM&M - an online case based journal and forum on patient safety and healthcare quality. Supported by a grant from The Agency for Healthcare Research and Quality, WebM&M is designed to educate healthcare providers about medical errors in an engaging, anonymous, and blame free environment. (WebMandM.ahrq.gov)

MEDIA INTERVIEWS, MISCELLANEOUS:

- 10/99 Large Scale Studies of Iatrogenic Injury: Are They Worth it? University College London. Presentation was covered by: Smith J. Study into medical errors planned for the UK. *British Medical Journal* 1999;319:1091.
- 11/99 Provided information to the Institute of Medicine for their report on error in medicine. Interviewed by Linda Kohn and Janet Corrigan. Written acknowledgment of Dr. Thomas' efforts in their report and Dr Thomas' first author papers frequently cited. See Kohn LT, Corrigan JM, Donaldson MS. *To Err is Human*. Washington D.C.: National Academy Press, 1999
- 12/99 Provided information to the United States General Accounting Office about the costs of adverse drug events. Interviewed by Eric Peterson.
- 1/10/00 Provided information, articles to Senator Edward Kennedy's staff in preparation for congressional hearings on medical error.
- 3/00 Interview by Dan Vergano of USA Today
- 3/00 Interview by KPRC radio, Houston TX
- 3/20/00 Interview by KPRC television, Houston TX
- 3/27/00 Interview by Jim Bell of KUHF-FM radio, Houston TX

MEDIA INTERVIEWS, MISCELLANEOUS: (cont'd)

- 5/00 Provided data to the Actuarial Research Corporation, a company retained by the Health Care Financing Administration to assist their efforts to estimate the effects of medical errors on the Medicare and Medicaid programs. Contact was Edward C. King.
- 6/8/00 Interviewed and quoted in two articles in Salt Lake City Tribune article written by Lee Siegel.
- 5/31/02 Interviewed and quoted in article by L.M. Sixel, Houston Chronicle
- 6/4/02 Quoted in article in New York Times by Eric Nagourney
- 10/6/02 Quoted in article in The Bergen Record (New Jersey) by Lindy Washburn. "Elderly find their malpractice cases aren't worth lawyers time"
- 9/04 Interviewed and quoted by Today's Hospitalist Magazine for article "Need and Attitude Adjustment on the Ward? Try 'Walk Rounds'".