

CURRICULUM VITAE

Thomas E. Burroughs, PhD

A. Education:

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| 1990 B.A. | Psychology and Mathematical Studies
summa cum laude
Southern Illinois University at Edwardsville |
| 1993 M.S. | Mathematical Statistics
Thesis Title: "Analyses of Control Charts
When No Standards Are Given"
Southern Illinois University at Edwardsville |
| 1995 M.A. | Social Psychology and Health Psychology
Washington University in St. Louis |
| 1996 Ph.D. | Social Psychology and Health Psychology
Dissertation Title: "The Effect of Message Framing on Perceptions
of Risk, Perceptions of Control and Health Behavior Decisions"
Washington University in St. Louis |

B. Board certification and Licensure: N/A

C. Current positions:

Executive Director and Division Director
Saint Louis University Center for Outcomes Research
Division of Health Outcomes Research, Internal Medicine

Professor of Internal Medicine,
Saint Louis University School of Medicine

Professor of Health Management and Policy
Saint Louis University School of Public Health

Address:

Saint Louis University Center for Outcomes Research
Saint Louis University School of Medicine
3545 Lafayette Ave.
Salus Center Room 2817
St. Louis, MO 63104

D. Previous Professional Experience (Dates of appointment, position, locations):

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| 2006 - Present | <u>Scientific Investigator</u>
Veteran's Administration, St. Louis, MO |
| 2003 - Present | <u>Professor Health Management and Policy</u>
St. Louis University School of Public Health, St. Louis, MO |

2003 – Present	<u>Professor of Internal Medicine</u> St. Louis University School of Medicine, St. Louis, MO
2003 - Present	<u>Executive Director, Saint Louis University Center for Outcomes Research</u> Saint Louis University, St. Louis, MO
2002 - 2003	<u>Director, Performance Measurement and Analytics</u> BJC Center for Healthcare Quality and Effectiveness, St. Louis, MO
1999 – 2002	<u>Director, Patient-Centered Performance Measurement</u> BJC Center for Healthcare Quality and Effectiveness, St. Louis, MO
1999 - 2003	<u>Adjunct Assistant Professor of Biostatistics in Community Health</u> School of Public Health, St. Louis University, St. Louis, MO
1998 - Present	<u>Principal</u> The Survey Institute, St. Louis, Missouri
1998– 1999	<u>Manager, Customer Satisfaction Measurement, Analysis and Strategy</u> BJC Center for Healthcare Quality and Effectiveness, St. Louis, MO
1998 - Present	<u>Adjunct Assistant Professor of Medicine</u> Department of Medicine, Washington University School of Medicine, St. Louis, MO
1996 - 1998	<u>Epidemiologist</u> BJC Center for Quality Management, St. Louis, MO
1994 – Present	<u>Associate Professor of Statistics in Nursing</u> Jewish Hospital College of Nursing and Allied Health Washington University Medicine Center, St. Louis, MO
1991-1996	<u>Statistical Data Analyst</u> Department of Psychiatry, Washington University School of Medicine, St. Louis, MO

E. Clinical Staff Appointments: N/A

F. Professional Society Memberships:

1999 - Present	American Diabetes Association
2001 - Present	American Psychological Association

2002 - Present	American Society of Transplantation
2006 - Present	International Society for Pharmacoeconomics and Outcomes Research

G. Honorary Societies, Honors and Awards:

1986-1990	Presidential Fellowship Southern Illinois University at Edwardsville
1991-1993	University Graduate Fellowship Southern Illinois University at Edwardsville
1992-	Psi Chi National Honor Society in Psychology
1993-	Phi Kappa Phi
1994-1998	Chancellor's Graduate Fellowship Washington University in St. Louis
2000	National Quality Management Award Healthcare Information Systems Society
2006	St. Louis Business Journal "40 under 40" Award

H. Professional Services:

1. Committee memberships:

Saint Louis University

2003 – 2004	Five Year Research Planning Committee, Internal Medicine
2004 –Present	SoLUtions Advisory Committee
2004 – Present	Phenotypic Database Planning Committee, Chair
2005	Department of Family and Community Medicine – Internal Analysis and Evaluation Committee
2005 - Present	PhD Advisory Committee, School of Public Health
2005 - Present	Saint Louis University IAIMS Steering Committee (National Library of Medicine's Integrated Advanced Information Management Systems) co-chair
2006 –Present	Department of Internal Medicine Research Committee
2006 – Present	School of Medicine Research Planning Committee
2006 – Present	St. Louis CTSA Executive Committee
2006 – Present	School of Public Health Leadership Council

2006 – Present	School of Public Health Academic Affairs Committee
2006 – Present	K12/K30/T32 Multidisciplinary Advisory Committee
<i>Washington University / BJC Health Care</i>	
1998 - 2003	BJC Performance Measurement Steering Committee, Chair
1998 – 2000	BJC Operational Measurement Report Steering Committee
1998 – 2000	Women and Infants Quality Improvement Collaborative Leadership Council
1998 – 2000	Congestive Heart Failure Quality Improvement Collaborative Leadership Council
1998 - 2003	BJC Analytic Network, Chair
1998 - 2003	Center for Healthcare Quality and Effectiveness Management Council
1999 - 2001	National Quality Award Steering Committee
1999	Barnes Jewish St. Peters PICOS Emergency Room Redesign Team
1999-2003	BJC Service Quality Coordination Council, Co-chair
1999 – 2003	BJC Patient Centered Performance Measurement Council, Chair
1999 - 2003	VHA National Performance Measurement Committee
1999 - 2001	Public Reporting of Clinical Quality Indicators Advisory Panel
2000 – 2002	The Health Insurance Portability and Accountability Act (HIPPA) Policy Development Committee, Washington University and BJC HealthCare
2000 - 2001	Washington University IRB – Health Services Research Task Force, chair
2001 – 2003	Asthma Disease State Management Leadership Team
2002 - 2002	Sentinel Event Root Cause Analysis – Peer Review, Chair
<i>Government Agency:</i>	
1998 – 2000	Missouri Hospital Association Public Reporting Council
1999 – 2003	Joint Commission for Accreditation in Healthcare – Performance Reporting Committee

2001- Present State of Missouri – Public Reporting for Nosocomial Infections Steering Committee

2005 – Present Missouri Critical Access Hospitals Emergency Services Committee

Research Review:

1999 - 2002 Innovations in Healthcare, Review Committee

2004 – Present WellPoint Research Proposal Review Committee

2005 – Present NIH K12 Review Committee

2006 – Present CTSA Executive Committee

2006 – Present Veterans' Administration – HSR Career Development Award Study Section

2. Editorial and Journal review boards

2001 - Present Reviewer, *American Journal of Medicine*

2001 - Present Reviewer, *Joint Commission Journal on Healthcare Quality*

2003 - Present Reviewer, *BMJ Quality and Safety in Healthcare*

2005 – Present Reviewer, *Medical Care*

2005 – Present Reviewer, *Transplantation*

2005 – Present Reviewer, *Journal of the American Society of Nephrology*

2005 – Present Reviewer, *New England Journal of Medicine*

2005 – Present Reviewer, *JAMA*

I. Research Support:

Current funding:

1. Investigator, NIH/NIA, “Decision Making in End Stage Heart Failure,” 6/1/03 - 5/31/07, \$455,000.
2. Investigator, NIDDK, Diabetes Research and Training Center, 6/1/03 - 5/31/07, \$1,200,000.
3. Principal Investigator, Novartis Pharma, “Immunosuppression Dosing and Post-transplant Diabetes in Renal Transplantation,” 6/1/2003 – 12/31/2009, \$150,000.
4. Site Principal Investigator, Veteran’s Administration, Health Services Research Center Grant, 5/12/04-5/30/07, \$200,000.

5. Investigator, NINR, “Nursing Interventions for Sensory Impaired LTC Elders,” 9/15/05 – 5/31/09, \$250,000.
6. Principal Investigator, Express Scripts, “Research Peer Review.” 1/1/2006 – 12/1/2010. \$80,000.
7. Principal Investigator, Institute for America’s Health/State of Missouri, “Small Changes in Dietary Sugar and Physical Activity as an Approach to Preventing Excessive Weight Gain: the America on the Move Family Study. Intervention for Missouri’s Children, 1/1/2006 – 12/31/2010. \$100,115.
8. Principal Investigator, McNeil Nutritionals, “Families on the Move: Post hoc Analysis.” 9/15/2006 – 12/31/2007. \$90,000.
9. Principal Investigator, Missouri Hospital Association, ‘MHA Hospital Performance Project,” \$36,400. 9/29/2006 – 12/31/2007.
10. Principal Investigator, Express Scripts, “Gaps in Processes of Care for Patients Diagnosed with Multiple Sclerosis,” 1/1/2007 – 12/1/2007. \$35,000.
11. Principal Investigator, Data Coordinating and Interviewing Center, National Institutes of Health, Physical Frailty in Urban African-Americans in St. Louis. 4/1/2007 – 3/31/2012. \$1,616,464.

Past funding:

1. Principal Investigator, Longer Life Foundation Grant, 9/1/00 – 9/1/02 “Health-related Quality of Life: A strategy for improving physician-patient communication and patient outcomes,” \$142,007.
2. Investigator, U.S. Agency for Healthcare Research and Quality grant #R01HS11983-01, 9/28/01 - 9/27/04 “Work Environment: Effect on Quality of Health Care,” \$1,489,295.
3. Investigator, U.S. Agency for Healthcare Research and Quality grant, “Improving Patient Safety: Health Systems Reporting, Analysis, and Safety Improvement Research Demonstrations”, 5/1/00 – 4/30/04. \$3,623,893.

J. Bibliography:

1. Papers published, in press, or accepted for publication in peer-reviewed journals:

1. Skitka, L.J., McMurray P.J., & Burroughs, T.E. (1991). Willingness to provide post-war aid to Iraq and Kuwait: an application of the contingency model of distributive justice. *Contemporary Social Psychology*, 15(4), 179-188.
2. Burroughs, T.E., Pontious, S.L., & Santiago, J.V. (1993). The intercorrelates of psychosocial domains and metabolic control in adolescents with IDDM. *The Diabetes Educator*, 19(5), 396-402.

3. Neuman, R.J., Rice, J.P., Hampe, C.L., Burroughs, T.E. & Moldin, S.O. (1993). Linkage analysis of a complex disease: application to familial Alzheimer's disease. *Genetic Epidemiology*, 10:419-424.
4. Pontious, S., Kennedy, A., Chung, K., Burroughs, T., Libby, A., & Vogel, (1994). Accuracy and reliability of temperature measurement in the emergency department by instrument and site in children. Completed Research Award Winner for *Pediatric Nursing*, 20(1)58-63.
5. Allgulander, C., Burroughs, T.E., Rice, J.P., and Allebeck, P. (1995). Antecedents of neurosis in a cohort of 30,344 twins in Sweden. *Anxiety*, 1(4)175-179.
6. Gyr, P., Burroughs, T., Smith, K., Mahl, C., Pontious, S., & Swerczek, L. (1995). Practice applications of research: Double blind comparison of heparin and saline flush solutions in maintenance of peripheral infusion devices. *Pediatric Nursing*, 21(4):383-389, 366.
7. Burroughs, T.E., Harris, M., Pontious, S.L., & Santiago, J.V. (1997). Research on social support in adolescents with IDDM: A critical review. *The Diabetes Educator*, 23(4)438-448.
8. Burroughs, T.E., Hong, B.A., Kappel, D.F., & Freedman, B.K. (1998). The stability of family decisions to consent or refuse organ donation: would you do it again? *Psychosomatic Medicine*, 60(2)156-162.
9. Burroughs, T.E., Davies, A.R., Cira, J., & Donovan, W.C. (1999). Understanding Patient Willingness to Recommend and Return: A Strategy for Prioritizing Improvement Opportunities. *Joint Commission Journal on Quality Improvement*, 25(6)271-287.
10. Lambert, A. J., Burroughs, T., & Nguyen, T. (1999) Perceptions of risk and the "buffering hypothesis": The role of just world beliefs and right-wing authoritarianism. *Personality and Social Psychology Bulletin*.25, 643-656.
11. Burroughs, T.E., Cira, J., Chartock, P., Davies, A.R. & Dunagan, W.C. (2000). Applying Traditional Improvement Methods and Tools to Improve Customer Satisfaction. *Joint Commission Journal on Quality Improvement*, 26: 439-449.
12. Burroughs TE, Waterman, BM, Cira JC, Desikan R, & Dunagan WC. (2001). Patient Satisfaction Measurement Strategies: A comparison of phone and mail methods. *Joint Commission Journal on Quality Improvement*, 27(7)349-361.
13. Meurer S, Rubio DM, Counte MA, Burroughs TE. (2002). Development of a healthcare quality improvement measurement tool using worldwide strategies: results of a content validity study. *Hospital Topics: Research & Perspectives on Healthcare*, 80(2)7-14.
14. Otani K, Kurz RS, Burroughs TE, and Waterman BM (2003). Reconsidering models of patient satisfaction and behavioral intentions. *Health Care Management Review*, 28:1, 7-20.
15. Garbutt J, Bose D, McCawley BA, Burroughs TE, Medoff G (2003). Soliciting patient complaints to improve performance. *Joint Commission Journal on Quality and Safety*, 29:3, 103-112.

16. Burroughs, T.E., Waterman, A.L., and Hong, B.A., (2003). One organ donation, three perspectives: experiences of donors, recipients, and third parties with living kidney donation. *Progress in Transplantation*, 13:142-150.
17. Burroughs TE, Desikan RD, Waterman BM, Gilin, D., & McGill J. (2003). Development and Validation of Diabetes Quality of Life – Brief Clinical Inventory. *Diabetes Spectrum*, 17:41-49.
18. Meurer S, Rubio DM, Counte MA, Burroughs TB. (2004). Measuring CQI in hospitals. *Joint Commission Journal on Quality Improvement*.
19. Cohen, M.M., Kimmel, N.L., Benage, M.K., Hoang, C., Burroughs, T.E., Roth, C.A. (2004). Implementing a hospital wide patient safety program for cultural change. *Jt Comm J Qual Saf*. 2004 Aug; 30(8):424-31.
20. Jeffe DB, Dunagan WC, Garbutt J, Burroughs TE, Gallagher TH, Hill PR, Harris CB, Bommarito K, Fraser, VJ. (2004). Using focus groups to understand physicians' and nurses' perspectives on error reporting in hospitals. *Joint Commission Journal on Quality and Safety*. 30(9)471-479.
21. Hauptman, P.J. & Burroughs, T.E. (2004). Anything Does Not Go: Defining and Refining Interventions Designed to Improve Quality in Cardiovascular Diseases. *American Journal of Medicine*. 117(6): 433-435.
22. Burroughs TE, Waterman AD, Gallagher TH, Waterman BM, Adams D, Jeffe DB, Dunagan WC, Garbutt J, Cohen MM, Cira J, Inguanzo J, & Fraser VJ. (2005). Patient Concerns about Medical Errors in Emergency Departments. *Academic Emergency Medicine*. 12(1):57-64.
23. Burroughs TE, Waterman BM, Gilin D, Adams D, McCollegan J, Cira JC. (2005). On-site Patient Satisfaction Measurement: a methodological evaluation. *Joint Commission Journal on Quality and Safety Patient*. 31(3):158-166
24. Schnitzler MA, Lentine KL, Burroughs TE. (2005). The Cost effectiveness of Deceased Organ Donation. *Transpl*; 80:1636-1637.
25. Lentine KL, Schnitzler MA, Abbott KC, Burroughs TE, Irish W, Brennan DC. (2005). Denovo congestive heart failure after kidney transplantation: a common condition with poor prognostic implications. *Am J Kidney Dis*;46:720-733.
26. Lentine KL, Schnitzler MA, Abbott KC, Li L, Xiao H, Burroughs TE, Takemoto SK, Willoughby LM, Gavard JA, Brennan DC. (2006). Incidence, Predictors, and Associated Outcomes of Atrial Fibrillation after Kidney Transplantation. *Clin J Am Soc Nephrol*, 1:288-296.
27. Hauptman PJ, Schnitzler MA, Swindle J, Burroughs TE. (2006). Impact of Publications on Clinical Practice. The Case of Nesiritide for Acute Decompensated Heart Failure. *JAMA*;296(15).
28. Bunnapradist S, Lentine KL, Burroughs TE, Pinsky BW, Hardinger KL, Brennan DC, Schnitzler MA. (2006). Mycophenolate Mofetil Dose Reductions and Discontinuations

- after Gastrointestinal Complications are Associated with Renal Transplant Graft Failure. *Transpl*; 82:1-6.
29. Stirnemann PM, Takemoto SK, Schnitzler MA, Brennan DC, Abbott KC, Salvalaggio P, Burroughs TE, Gavard JA, Willoughby LM, Lentine KL. (2006). Agreement of Immunosuppression Regimens Described in Medicare Pharmacy Claims with the Organ Procurement and Transplantation Network Survey. *J Am Soc Nephrol*; Aug; 17(8)2299-306.
 30. Waterman AD, Gallagher TH, Garbutt, J, Waterman BM, Fraser V, Burroughs TE. Brief report: Hospitalized patients' attitudes about and participation in error prevention. *Journal of General Internal Medicine*. 21(4):367-70, 2006 Apr.
 31. Burroughs, T.E., Swindle, J., Takemoto, S., Lentine, K.L., Machnicki, G., Irish, W.D., Brennan, D.C., Schnitzler, M.A. Diabetic complications associated with new-onset diabetes mellitus in renal transplant recipients. *Transplantation*. 2007;83(8):1027-1034.
 32. Burroughs TE, Gallagher TH, Waterman A, Waterman BM, Jeffe DB, Dunagan WC, Garbutt J, Cohen MM, Fraser VJ. (2007). Patients' concerns about medical errors during hospitalization. *Joint Commission Journal on Quality and Safety*. January 2007. 33(1)5-14.
 33. Burroughs, T.E., Lentine, K.L., Takemoto S.K., Swindle, J., Machnicki, G., Hardinger, K.A., Brennan, D.C., Schnitzler, M.A. (2007). Influence of early post-transplantation prednisone and calcineurin inhibitor dosages on the incidence of new-onset diabetes. *Clin J Am Soc Nephrol*. January 27, 2007.
 34. Aydingoz SE, Takemoto SK, Pinsky BW, Salvalaggio PR, Lentine KL, Willoughby L, Hoover B, Burroughs TE, Schnitzler, MA, Graff, R. (2007). The impact of human leukocyte antigen matching on transplant complications and immunosuppression dosage. *Human Immunology* 68, 491-499.
 35. Willoughby L, Fukami S, Bunnapradist S, Gavard J, Lentine K, Hardinger K, Burroughs T, Takemoto S, Schnitzler M. (2007). Health insurance considerations for adolescent transplant recipients as they transition to adulthood. *Pediatr Transplant*. 2007 Mar;11(2):127-31.
 36. Bunapradist, S., Wong, W., Lentine, K., Burroughs, T.E., Pinsky, B.W., Takemoto, S.K., Neri, L., Schnitzler, M.A. Diarrhea post kidney transplantation: incidence, risk factors and associated outcomes. *American J Kidney Diseases*. (in press June 2007).
 37. Hauptman, P.J., Mikolajczak, P., George, A., Mohr, C.J., Hoover, R., Schnitzler, M.A., Swindle, J., Burroughs, T.E. Chronic continuous home inotropic therapy in end-stage heart failure. *Am J Heart*. In press 2007.
 38. Shaker, M, Lobb,A, Jenkins, P, O'Rourke, D, Takemoto, S, Sheth, S, Burroughs, T, Dykewicz, M. An economic analysis of aspirin desensitization in aspirin-exacerbated respiratory disease. *J Allergy Clin Immun*. August 2007.
 39. Takemoto, S., Pinsky, B., Schnitzler, M., Lentine, K., Willoughby, L., Burroughs, T.E., Bunnapradist, S. A retrospective analysis of immunosuppression compliance, dose reduction and discontinuation in kidney transplant recipients. *Am J Transplantation*. In press 2007.

40. Hauptman, P.J., Swindle, J., Hussain, Z., Biener, L., Burroughs, T.E. Physician Attitudes toward End-Stage Heart Failure: A National Survey. *Am J Medicine* (2008) 121, 127-135.
41. Buchanan, P.M., Schnitzler, M.A., Brennan, D.C., Dzebisashvili, N., Willoughby, L.M., Axelrod, D., Salvalaggio, P.R., Abbott, K.C., Burroughs, T.E., Lentine, K.L. Novel Methods for Tracking Long-Term Maintenance Immunosuppression Regimens. *Clin J Am Soc Nephrol* 3: 117-124, 2008.
42. Phillipneri, M.D., Rocca Rey, L.A., Schnitzler, M.A., Abbott, K.C., Brennan, D.C., Takemoto, S.K., Buchanan, P.M., Burroughs, T.E., Willoughby, L.M., Lentine, K.L. Delivery Patterns of Recommended Chronic Kidney Disease Care in Clinical Practice: Administrative Claims-Based Analysis and Systematic Literature Review. *Clin and Experimental Nephrology*. In press 2008.
43. Neri, L., Rocca Rey, L., Pinsky, B., Lentine, K., Salvalaggio, P., Machnicki, G., Willoughby, L., Burroughs, T., Takemoto, S., Schnitzler, M. Increased Risk of Graft Failure in Kidney Transplant Recipients After a Diagnosis of Dyspepsia or Gastroesophageal Reflux Disease. *Transplantation*. 2008;85:344-352.

2. Book Chapters, monographs, review articles, case reports:

44. Lambert, A. J., Burroughs, T., & Chasteen, A. L. (1998). Belief in a just world and right wing authoritarianism as dual moderators of perceived risk. In L Montada & M. Lerner (Eds.), *Response to victimization and belief in a just world*. Plenum Press.
45. Burroughs, T.E. (2002). Instilling a culture of service. Practice #2: Focused patient interviews. In Smith CM (Ed.), *Service Amid Shortage: strategic considerations and operational challenges*. Washington D.C., the Advisory Board Company.
46. Machnicki G, Pinsky B, Takemoto S, Lentine K, Willoughby L, Bunnapradist S, Burroughs T, Schnitzler MA. Application of Diagnostic Classification Algorithms to Identify the Most Common Causes of Post-transplant Complications. In *Clinical Transplants 2005*, Michael Cecka and Paul Terasaki (eds), UCLA Press, Los Angeles, CA, 57-67, 2006.
47. Schnitzler MA, Takemoto SK, Lentine KL, Burroughs TE. Kidney Transplantation Costs. In *Living Donor Organ Transplantation*, Rainer Gruessner (ed), McGraw Hill, New York, NY, 2006.
48. Burroughs TE, Takemoto S, Lentine K, Willoughby L and Schnitzler MS. (2007). Interpretation of the Medical Literature. In *Internal Medicine Textbook: Just the Facts*, P.G. Schmitz, DD Miller, and KJ Martin (eds). McGraw Hill, New York.
49. Burroughs TE, Takemoto S, Lentine K, Willoughby L and Schnitzler MS. (2007). Biostatistics, Epidemiology and Outcomes. In *Internal Medicine Textbook: Just the Facts*, P.G. Schmitz, DD Miller, and KJ Martin (eds). McGraw Hill, New York.
50. Schnitzler MA, Burroughs TE, Takemoto S. Kidney Transplantation: Cost Analysis. Rainer Gruessner (ed), McGraw Hill, New York, NY, 2007.

3. Abstracts:

1. Rice, J.P., Neuman, R.J., Burroughs, T.E., Hampe, C.L., Daw, E.W., Suarez, B.K. (1993). Linkage analysis for oligogenic traits. *American Journal of Human Genetics*. 53(9), 66.
2. Rice, J.P., Neuman, R.J., Burroughs, T.E., Hampe, C.L., Daw, E.W., Suarez, B.K. (1994). The use of the MOD score in linkage analysis. *American Journal of Human Genetics*. 55(3):A163.
3. Burroughs, T.E. The effect of message framing on perceptions of risk, perceptions of control and health behavior decisions. [Dissertation Abstract] *Dissertation Abstracts International: Section B: The Sciences and Engineering. Vol 58(9-B), Mar 1998, pp. 5187.*
4. Schnitzler, M.A., Hardinger, K.L., Burroughs, T.E., Irish, W.D., Lentine, K.L., Brennan, D.C. (2005). Consequences of immunosuppression minimization following diagnosis of gastrointestinal complications in renal transplant. *American Journal of Transplantation*. 5(S11),242.
5. Schnitzler, M.A., Whiting, J.F., Lentine, K.L., Burroughs, T.E., Irish W.D., Brennan, D.C. (2005). The life-years saved by a deceased organ donor. *American Journal of Transplantation*. 5(S11),283.
6. Gavard, J., Schnitzler, M.A., Pinsky, B., Lentine, K.L., Willoughby, L., Takemoto, S., Stirnemann, P., Xiao H., Li L., Burroughs, T.E. Abdominal pain after kidney transplantation. *American Society of Nephrology, Renal Week 2005.*
7. Gavard, J., Schnitzler, M.A., Pinsky, B., Lentine, K.L., Willoughby, L., Takemoto, S., Stirnemann, P., Xiao, H., Li, L., Swindle, J., Burroughs, T.E. Vomiting after kidney transplantation. *American Society of Nephrology, Renal Week 2005.*
8. Pinsky, B., Lentine, K.L., Gavard, J., Willoughby, L., Swindle, J., Stirnemann, P., Xiao, J., Li, L., Takemoto, S.K., Burroughs, T.E. Schnitzler, M.A. Risk factors and incidence of diarrhea in renal transplant patients. *American Society of Nephrology 38th Annual Renal Week 2005.*
9. Willoughby, L., Schnitzler, M.A., Pinsky, B., Gavard, J., Stirnemann, P., Takemoto, S., Burroughs, T.E., Swindle, J., Xiao, H., Li, L., Lentine, K. Risk factors associated with dementia following kidney transplant. *American Society of Nephrology 38th Annual Renal Week 2005.*
10. Irish, W.D., Sherrill, B.H., Lentine, K.L., Burroughs, T.E., Schnitzler, M.A. (2005). Is the long-term benefit of Mycophenolate Mofetil dependent on choice of calcineurin inhibitor? *American Journal of Transplantation*. 5(S11),328.
11. Schnitzler, M.A., Hardinger, K.L., Lentine, K.L., Burroughs, T.E., Irish, W.D., Brennan, D.C. (2005). MMF dose reduction following diarrhea in renal transplantation. *American Journal of Transplantation*. 5(S11),331.

12. Hauptman, P.J., Burroughs, T.E., Swindle, J., Jans, M., Biener, L. Physician attitudes and beliefs regarding the care of patients with end-stage heart failure; insights from a national pilot study. *J Cardiac Fail* 2005; 11:S169.
13. Irish, W.D., Sherrill, B.H., Lentine, K.L., Burroughs, T.E. (2005). An economic evaluation of all-cause renal allograft failure: A population-based approach. *American Journal of Transplantation*. 5(S11),405.
14. Burroughs, T.E., Lentine, K.L., Irish, W.D., Brennan, D.C., Schnitzler, M.A. (2005). De Novo diabetes complications after kidney transplantation. *American Journal of Transplantation*. 5(S11)409.
15. Burroughs, T.E., Lentine, K.L., Brennan, W.D., Irish, W.D., Schnitzler, M.A. (2005). Low-dose Tacrolimus and risk of new-onset diabetes mellitus following renal transplantation. *American Journal of Transplantation*. 5(S11)548.
16. Lentine, K.L., Schnitzler, M.A., Abbott, K.C., Li, L., Burroughs, T.E., Irish, W.D., Brennan, D.C. (2005). De Novo congestive heart failure after kidney transplantation. *American Journal of Transplantation*. 5(S11)555.
17. Schnitzler, M.A., Lentine, K.L., Burroughs, T.E., Irish, W.D., Brennan D.C., Woodward, R.S. (2005). Consequences of the end of Medicare coverage in pediatric renal transplant recipients. *American Journal of Transplantation*. 5(S11)563.
18. Dykewicz, M.S., Stirneman, P.M, Krishna, S., Burroughs, T.E., Schnitzler, M.A, Takemoto, S. (2006). Omalizumab claims analysis for WellPoint of Missouri. Proceedings of the *American Thoracic Society* 2006; 3: A590.
19. Miller, D., Takemoto, S.K., Burroughs, T.E., Swindle, J. Clinical characteristics and early outcomes of life-threatening arrhythmia patients in a large private claims database: a community based ICD reality check. *American Heart Association*. May 2006.
20. Miller, D., Takemoto, S.K., Burroughs, T.E., Swindle, J. Cardiac diagnostic testing patterns before ICD placement: interrogating a private insurer claims database. *American Heart Association*. May 2006.
21. Hauptman PJ, Swindle, J, Schnitzler, MA, Burroughs, T. Rapid de-adoption of nesiritide following adverse publicity; insights from a large national hospital database. *J Cardiac Fail* 2006;12:S96.
22. Swindle J, Schnitzler, MA, Hussain Z, Takemoto S, Burroughs T, Hauptman PJ. Biventricular pacemaker placement in clinical practice: insights from a managed care organization database. *J Cardiac Fail* 2006;12:S108.
23. Hussain Z, Burroughs T, Hauptman PJ. Lack of uniformity in safety reporting for CRT implantation in randomized clinical trials and pre market approval applications. *J Cardiac Fail* 2006;12:S93.

24. Schnitzler, M., Hauptman, P.J., Takemoto, S.K., Burroughs, T.E., Salvalaggio, P., Lentine, K., Lee, R., Feurer, I., Zavala, E. Benefit from reallocation to status 1 from 2 in heart transplantation. *World Transplant Congress 2006*.
25. Schnitzler, M., Hauptman, P.J., Takemoto, S.K., Burroughs, T.E., Salvalaggio, P., Lentine, K., Lee, R., Feurer, I., Zavala, E. The impact of cold ischemia time on the life-year benefit of heart transplant. *World Transplant Congress 2006*.
26. Swindle, J., Schnitzler, M.A., Hussain, Z., Takemoto, S.K., Burroughs, T.E., Hauptman, P.J. Biventricular pacemaker placement in clinical practice: insights from a managed care organization database. *J Cardiac Fail* 2006;12:S108.
27. Hussain, Z., Burroughs, T.E., Hauptman, P.J. Lack of uniformity in safety reporting for CRT implantation in randomized clinical trials and pre market approval applications. *J Cardiac Fail* 2006;12:S93.
28. Lentine, K., Stirnemann, P., Schnitzler, M.A., Brennan, D., Abbott, K., Burroughs, T.E., Salvalaggio, P., Takemoto, S.K. (2006). Concordance of immunosuppression fills in Medicare pharmacy claims with the OPTN survey: potential evidence of noncompliance with steroid prescriptions. *World Transplant Congress 2006*.
29. Schnitzler, M.A., Hauptman, P., Takemoto, S.K., Burroughs, T. E., Salvalaggio, P., Lentine, K., Feurer, I.D., Zavala, E. (2006). Benefit from reallocation to status 1 from 2 in heart transplantation. *World Transplant Congress 2006*.
30. Schnitzler, M.A., Hauptman, P., Takemoto, S.K., Burroughs, T.E., Feurer, I.D., Zavala, E. (2006). The impact of cold ischemia time on the life-year benefit of heart transplant. *World Transplant Congress 2006*.
31. Salvalaggio, P., Takemoto, S.K., Lentine, K., Burroughs, T.E., Schnitzler, M.A., Graff, R.J. (2006). Towards evidence-based guidelines for crossmatch testing in renal transplantation. *World Transplant Congress 2006*.
32. Salvalaggio, P., Pinsky, B., Takemoto, S.K., Burroughs, T.E., Lentine, K., Schnitzler, M.A., Bunnapradist, S. (2006). Diarrhea following renal transplantation: influences of immunosuppression and implications for survival. *World Transplant Congress 2006*.
33. Takemoto, S.K., Pinsky, B., Lentine, K., Bunnapradist, S., Burroughs, T.E., Schnitzler, M.A. (2006). Poor immunosuppression adherence: associated factors and possible consequences. *World Transplant Congress 2006*.
34. Takemoto, S.K., Salvalaggio, P., Pinsky, B., Lentine, K., Burroughs, T.E., Schnitzler, M.A., Graff, R.J. (2006). Does HLA matching reduce post-renal transplant complication. *World Transplant Congress 2006*.
35. Salvalaggio, P., Pinsky, B., Takemoto, S.K., Burroughs, T.E., Lentine, K., Schnitzler, M.A., Bunnapradist, S. (2006). GERD and dyspepsia are associated with graft failure and death following renal transplantation. *World Transplant Congress 2006*.

36. Schnitzler, M.A., Buchanan, P.M., Burroughs, T.E., Lee, R., Hauptman, P.J. Impact of ischemia time on the outcomes of heart transplant. *J Heart Lung Transplant* 2007;26:S64.
37. Swindle, J., Schnitzler, M., Burroughs, T.E., Hauptman, P.J. Heterogeneity of resource utilization in hospitalized patients with heart failure. *8th American Heart Association Scientific Forum on Quality of Care and Outcomes Research*. May 2007.
38. Burroughs, T.E., Hinyard, L.J., Swindle, J., Schnitzler, M.A., Lentine, K. High rate of diabetic complications following initial diagnosis. *American Diabetes Association 67th Scientific Sessions*. June 2007.
39. Hinyard, L.J., Swindle, J., Schnitzler, M.A., Lentine, K., Burroughs, T.E. Prevalence of comorbid conditions at diagnosis for Type II DM. *American Diabetes Association 67th Scientific Sessions*. June 2007.
40. Swindle, J., Hinyard, L.J., Schnitzler, M.A., Lentine, K., Burroughs, T.E. Impact of initial medication among Type II diabetes. *American Diabetes Association 67th Scientific Sessions*. June 2007.
41. Willoughby, L., Burroughs, T.E., Ercole, P. Determinants of success in children enrolled in the America on the Move family study. *2007 Food & Nutrition Conference & Expo* (September 2007).
42. Hauptman, P.J., Swindle, J., Burroughs, T.E., Schnitzler, M.A. High short-term mortality and cost associated with device implantation in hospitalized heart failure patients receiving inotropic therapy. *HFSA – 11th Annual Scientific Meeting* 2007.
43. Takemoto, S.K., Swindle, J., Dykewicz, M., Lentine, K., Willoughby, L., Burroughs, T.E. Exacerbation rates for single vs. dual controller therapy for mild-persistent asthma. *ISPOR – 12th Annual International Meeting*. May 22, 2007.
44. Willoughby, L.M., Belgeri, M., Takemoto, S.K., Burroughs, T.E., Banks, W.A., Lentine, K.L., Cacchione, P., Neri, L., Rocca Rey, L., Schnitzler, M.A. Anticholinergic Medication Use among Patients with Dementia. *2007 Annual Meeting The Gerontological Society of America*. November 2007.
45. Neri, L., Rocca Rey, L., Gallieni, M., Brancaccio, D., Burroughs, T.E. Work Ability Index: A Valid Tool for Functional Status Assessment of Patients with Chronic Kidney Failure. *3rd International Symposium on Work Ability*. Hanoi, Vietnam. October 2007.
46. Buchanan, P., Salvalaggio, P., Lentine, K., Burroughs, T., Schnitzler, M. Millions of Dollars to be Saved with Routine Utilization of Pulsatile Machine Perfusion on Expanded Criteria Donor Kidneys. *American Transplant Congress*. Toronto, Canada 2008.
47. Buchanan, P., Salvalaggio, P., Lentine, K., Burroughs, T., Schnitzler, M. Cost of Delayed Graft Function in Medicare Covered Cadaveric Renal Recipients by Donor Type. *American Transplant Congress*. Toronto, Canada 2008.

48. Garfield, L., Scherrer, J., Burroughs, T., Zeringue, A., True, W. Diabetes and Suicidality in the Third National Health and Nutrition Examination Survey (NHANES III). *Samuel Guze Symposium on Alcoholism*. Washington University at St. Louis, MO February 21, 2008.

K. Current and past teaching responsibilities:

- Introductory Biostatistics
- Advanced Biostatistics
- Research Methodology
- Survey Design and Analysis
- Regression Analysis
- Multivariate Analysis
- Quality Improvement Methods and Tools
- Physician Executive Leadership Course
- Statistical Process Control Methodology
- Patient Satisfaction Measurement and Improvement Cycle

See teaching portfolio for additional detail.

L. Thesis, Dissertation, Post-doctoral Supervision:

Thesis Supervision

1. Thesis Committee Member, Patti Sohn, M.S. Candidate, Washington University / Jewish Hospital College of Nursing, Completion 1998.
2. Thesis Chair, Charles Sheer, M.S. Candidate, Washington University / Jewish Hospital College of Nursing, Completion 1999.
3. Thesis Committee, Donna Hecke, M.S. Candidate, Washington University / Jewish Hospital College of Nursing, Completion 2000.
4. Thesis Chair, Rizwana H. Chohan, MD, MS Candidate, Washington University / Jewish Hospital College of Nursing and Allied Health, Completion 2003.

Dissertation Supervision

1. Dissertation Committee Member, Gerardo Machinicki, MS, PhD Candidate, Saint Louis University School of Public Health, expected completion 2007.

2. Dissertation Chair, Leslie Hinyard, MSW, PhD Candidate, Saint Louis University School of Public Health, expected completion 2008.
3. Dissertation Committee Member, Paula Buchanan, MPH, PhD Candidate, Saint Louis University School of Public Health, expected completion 2008.
4. Dissertation Chair, Jason Swindle, MPH, PhD Candidate, Saint Louis University School of Public Health, expected completion 2009.
5. Dissertation Chair, Patrick Ercole, MPH, PhD Candidate, Saint Louis University School of Public Health, expected completion 2010.
6. Dissertation Chair, Lauren Garfield, MPH PhD Candidate, Saint Louis University School of Public Health, expected completion 2010.

Post-Doctoral Supervision

1. Luca Neri, MD, Internal Medicine / Outcomes Research Fellow, Saint Louis University School of Medicine, 2004 - present.
2. Lisa Rocca-Rey, MD, Internal Medicine / Outcomes Research Fellow, Saint Louis University School of Medicine, 2004 – present.

M. Supplemental Material:

1. Presentations, seminars:

1. Champ, C.W. & Burroughs, T.E. (1992). Stewart quality control charts with supplementary runs rules when no standards are given. Paper presented at the Sixth Annual Arkansas Quality Conference, Little Rock, AR.
2. Skitka, L.J., McMurray, P.J. & Burroughs, T.E. (1992). Willingness to allocate post-war aid to Iraq and Kuwait: an application of the contingency model of distributive justice. Paper presented at the Fifteenth Annual Scientific Meeting of the International Society of Political Psychology, San Francisco, CA.
3. Skitka, L.J., McMurray, P.J. & Burroughs, T.E. (1992). Perceived moral accountability and willingness to provide postwar aid. In L. Saxex (Chair), *The Gulf war: Psychological implications for world peace*. Symposium conducted at the 100th Annual Convention of the American Psychological Association, Washington, DC.
4. Burroughs, T.E., Champ, C.W., & Rigdon, S.E. (1993). Analysis of Shewhart control charts with runs rules when no standards are given. Paper presented at the 153rd Annual Meeting of the American Statistical Association, San Francisco, CA.
5. Burroughs, T.E., Rigdon, S.E., & Champ, C.W. (1994). Analysis of the S-chart with runs rules when no standards are given. Paper presented at the Midwest Decision Sciences Institute Twenty-Third Annual Meeting, St. Louis, MO.
6. Lambert, A. J., Burroughs, T., & Nguyen, T. (1995) Self Vulnerability: Moderating effects of belief in a just world and right-wing authoritarianism. Talk presented at the annual convention of the Midwestern Psychological Association, Chicago.

7. Burroughs, T.E., Fisher, E. Jr., Dunagan, W.C. (1996). Predictive models of patient advocacy: a multivariate perspective. Paper presented at the 1996 General Medical Sciences Spring Symposium, St. Louis, MO.
8. Doggette, A.L., Burroughs, T.E., & Strube, M.J. (1996). From the outside looking in: the effect of self-monitoring and self-complexity on self-presentation. Poster presented at the American Psychological Society, San Francisco, CA.
9. Roberts, J., Davies, A.R., & Burroughs, T.E. (1996). Instruments Panels for Health Care Systems. Presentation to Eighth National Forum on Quality Improvement in Healthcare, Institute for Healthcare Improvement, New Orleans, LA.
10. Burroughs, T.E. (1997). Methodological Issues Facing Users of Patient Satisfaction Data. Paper presented at the 14th Annual Meeting of the Association for Health Services Research (AHSR), Issues and Answers for Improving Health in the 21st Century, Chicago, IL.
11. Doggette, A.L., Burroughs, T.E., & Strube, M.J. (1997). Accuracy in self and other ratings: a combined idiographic and nomothetic approach. Poster presented at the Midwestern Psychological Association, Chicago, IL.
12. Davies, A.R., Burroughs, T.E., & Nelson, E. (1997). Organizational Instruments Panels. Presentation to Ninth National Forum on Quality Improvement in Healthcare, Institute for Healthcare Improvement, Orlando, FL.
13. Burroughs, T.E. (1997). Advanced Methodological Issues Facing Users of Patient Satisfaction Data. Paper presented at the 15th Annual Meeting of the Association for Health Services Research (AHSR), Health Services Research: Implications for Policy, Delivery and Practice, Washington, D.C.
14. Burroughs, T.E. (1998). Making the patient the focus of patient care. Invited presentation to American Academy of Ambulatory Nursing (AAAN), Chicago, IL.
15. Davies, A.R., Burroughs, T.E. (1998). That vexatious data: interpreting patient satisfaction results for continuous improvement. Invited presentation to Tenth National Forum on Quality Improvement in Healthcare, Institute for Healthcare Improvement, Orlando, FL.
16. Burroughs, T.E. (2000). Development of Patient and Employee Satisfaction Measurement Systems. Workshop presented to the Beth Israel Deaconess Executive Team, Harvard University, Boston, MA
17. Burroughs, T.E. (2000). Analysis and Interpretation of Patient and Employee Satisfaction Data. Workshop presented to the VHA Executive Networking Council. Omaha, NE.
18. Burroughs, T.E. (2001). Creating Patient, Employee and Physician Loyalty...lessons from the data. Workshop presented to the VHA Executive Council. Indianapolis, Omaha, NE.
19. Crane PK, Freedland KE, Burroughs TE, & Lustman PJ (2001). Toward the Development of a Shortened Form of the Beck Depression Inventory for Monitoring Changes in Depression. Paper presented at the 2001 American Diabetes Association 61st Scientific Session.

20. Burroughs, T.E. (2002). Development of Clinical Operational Measurement System. Workshop presented to the Beth Israel Deaconess Executive Team, Harvard University, Boston, MA
21. Bommarito, KM, Burroughs, TE, Garbutt, JM, Hill, PR, Dunagan, WC, Cohen, MM, Fraser, VF. (2003). Factors associated with healthcare providers' willingness to report a medical error. Paper presented at the 41st Annual Meeting of IDSA, October 9-12. San Diego, CA.
22. Singer S., Bommarito K, Burroughs TE, Ciaverelli T. Safety Climate in Health Care Organizations. Paper presented at the 2004 AHRQ Patient Safety Conference, March 8-9. Washington, DC.
23. Amy D. Waterman, PhD, Thomas E. Burroughs, PhD, Jane Garbutt, MB, ChB, Victoria Fraser, MD, William C. Dunagan, MD, Brian M. Waterman, MPH, Thomas Gallagher, MD. Hospitalized Patients' Comfort With and Participation in Medical Error Prevention. Paper presented at 2004 Society of General Internal Medicine Meeting, 2004.
24. Bommarito, K.M., Burroughs, T.E., Garbutt, J.M., Dunagan, W.C., and Fraser, V.J. Healthcare Employees' Perceptions about the Reporting, Occurrence, and Preventability of Medical Errors. Poster presented at the Society for Healthcare Epidemiology of America annual meeting, Philadelphia, PA, April 17-20, 2004.
25. Colombi A, Gallieni M, Neri L, Burroughs T, Martin K, Costa G, Camerino D, Cozzolino M, Brancaccio D. End Stage Renal Disease (ESRD) and Employability: an emerging Occupational Health problem. Poster presented at the 28th International Congress of Occupational Health (ICOH 2006), June 6-10, 2006, Milan, Italy.
26. Takemoto, S., Swindle, J., Dykewicz, M., Schnitzler, M., Lentine, K., Willoughby, L., Burroughs, T.E. Exacerbation Rates for Single vs Dual Controller Therapy for Mild-Persistent Asthma. Poster presented at Allergy and Asthma Conference 2007.

2. Military Service: N/A

N. Community Service:

1999 – present	Associate Music Director First United Methodist Church, Troy, IL
1986 – 1999	Assistant Music Director First United Methodist Church, Collinsville, IL
1988 – 1996	Youth Leader, United Methodist Youth Fellowship First United Methodist Church, Collinsville, IL
1988	United Methodist Mission Trip Team Washington Park, Illinois
2006 -	Board Member American Diabetes Association
2006 – present	Volunteer, American Diabetes Association Camps

2006 – present

Team Leader, American Diabetes Association Race for the Cure