

Michael Lee Johnson, Ph.D.

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A. EDUCATION

Ph.D. Biostatistics, 1999. University of Texas Health Science Center at Houston, School of Public Health. Dissertation: "A Comparison of Markov and Generalized Linear Models of Hospital Mortality." Advisor: Wenyaw Chan, PhD (Ohio St. 1984). Secondary Advisor: Asha S. Kapadia, PhD (Harvard 1969).

M.S. Biostatistics, 1992. University of Texas Health Science Center at Houston, School of Public Health. Thesis: "Computer Simulation of a Stochastic Model of Smoking Status and Lung Cancer Incidence." Advisor Wenyaw Chan, PhD

B.A. Psychology, 1984. University of Texas at Austin.

B. ACADEMIC AND PROFESSIONAL APPOINTMENTS

Vice Chair of the Department of Pharmaceutical Health Outcomes and Policy, University of Houston, College of Pharmacy; 2018 – present

Houston Methodist Hospital Pharmacy Research Committee – oversees 2-year 18 slot Pharmacy Residency research program; 2016 – present

Director of Graduate Studies, University of Houston, College of Pharmacy, Department of Pharmaceutical Health Outcomes and Policy; 2010-2014.

Associate Professor of Pharmaceutical Health Outcomes and Policy, University of Houston, College of Pharmacy; 2006 – present.

Adjunct Assistant Professor of Medicine, Baylor College of Medicine, Section of Health Services Research; 2006 – 2013.

Assistant Professor of Medicine, Baylor College of Medicine, Section of Health Services Research; 1999-2006.

Senior Scientist, Houston Center for Quality of Care and Utilization Studies, Department of Veterans Affairs Health Services Research and Development Center of Excellence; 1999 – 2013.

Associate Director, Houston Center for Quality of Care and Utilization Studies, Department of Veterans Affairs Health Services Research and Development Center of Excellence; 1999 – 2002.

Computer Specialist, Houston Center for Quality of Care and Utilization Studies, Department of Veterans Affairs Health Services Research and Development Center of Excellence; 1992 – 1999.

C. HONORS OR AWARDS

Best Podium Research Presentation, 16th Annual ISPOR, Meeting, Baltimore, MD, May 2011: Johnson ML, Mehta S, Chitnis AS, Bhowmik D, Dwibedi N, Kamble P. Performance of different comorbidity measures in predicting healthcare expenditure in patients with dementia.

Tenure, University of Houston, 2009

International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Distinguished Service Award, 2009

TEAM Award for ALLHAT Implementation Project, Michael E. DeBakey Veterans Affairs Medical Center, 2004

Exceptional Reviewer for 2003, Medical Care, 42(1), January 2004. Top 25 of over 3000.

VA Special Contribution Award, December 2003, for work on HVAMC Revised Medical Care Group for Target Allowance FY 2004.

VA Performance Improvement Activity Award, Medication Use Subcommittee for Costs, Houston VAMC. Saved \$5 million in first year. January 3, 2003.

VA Special Contribution Award, in recognition of three years of service as Associate Director, Houston Center for Quality of Care and Utilization Studies, December 2002.

VA Special Contribution Award, in recognition of approval of Lease for 25,000 sq.ft. of office space for Houston Center for Quality of Care and Utilization Studies, September 13, 2001.

VA Special Contribution Award, in recognition of work on Research Service Line Strategic Plan, May 29, 2001.

Top 5% of Scientific Reviewers, Medical Care, 1997-2001

Poster Award: Johnson ML, Chan W, Kapadia AS, Slater C, Kuykendall DH, Ashton CM. “The Association of Illness Trajectory with Hospital Mortality.” 1st Annual Kelsey-Seybold Health Outcomes Conference, Houston, Texas, November 2000.

VA Special Contribution Award, in recognition of work on Houston Center for Quality of Care and Utilization Studies Strategic Plan, November 23, 2000.

Pioneer Award, Houston Center for Quality of Care and Utilization Studies, October 2000.

VA Special Contribution Award, for a unique contribution to the mission of the Department, 1994.

VA Special Contribution Award, for a unique contribution to the mission of the Department, 1993

Statistics Section Award for best contributed paper by a student to the 1993 American Public Health Association Conference in San Francisco, California, for master's thesis.

OTHER SPECIALIZED TRAINING FOLLOWING ACADEMIC APPOINTMENT

An Introduction to Causal Inference. Short Course, Harvard University, Boston, MA, June 4-8, 2018.

SAS SQL 1: Essentials. Workshop, University of Houston, October 26-27, 2017.

Introduction to Big Data Analytics. University of Texas at Austin, Departments of Biostatistics and Computer Sciences. Austin, Texas. May 23-26, 2016.

Big Data Analytics: Structured, Semi-Structured and Unstructured. University of Texas at Austin, Departments of Biostatistics and Computer Sciences. Austin, Texas. May 23-26, 2016.

Pharmacogenetics for Pharmacoepidemiologists. Full day course, 31st Annual International Conference on Pharmacoepidemiology and Therapeutic Risk Management, August 22, 2015, Boston, MA.

Advanced Topics in Pharmacoepidemiology. Half day course, 31st Annual International Conference on Pharmacoepidemiology and Therapeutic Risk Management, August 23, 2015, Boston, MA.

CMS 101: Introduction to the Use of Medicare Data for Research, Research Data Assistance Center (ResDAC), University of Minnesota, Minneapolis, Minnesota, May 14-16, 2003.

Management Research in VA, Management Decision and Research Center, Veterans Health Administration, Boston, Massachusetts, November 19-20, 2001.

SAS Macro programming, SAS Institute, Houston, Texas, 1998.

RESEARCH AND ACADEMIC INTERESTS

Health services research

Quality of care, quality assessment

Chronic conditions, comorbidity

Heart disease, diabetes, dyslipidemia, dementia, cancer

Clinical outcomes, risk adjustment

Health care databases

Observational studies, epidemiology

Statistical methods, regression, survival, longitudinal data

Pharmacoepidemiology

Causal inference

Marginal structural models

I am a biostatistician health services researcher with extensive experience in academic research, teaching and administrative service. I worked for many years in the United States' largest publicly funded federal health care system (Department of Veterans Affairs) and in two tier one academic research institutions: a private medical school (Baylor College of Medicine) and a public university (University of Houston). I have 25 years of experience in a broad range of prospective and retrospective studies using national administrative and clinical health care databases. I have a keen interest in the comparative safety and effectiveness of pharmaceutical treatments in everyday use for patients with multiple chronic conditions, and in the statistical methods to improve causal inference in non-randomized studies of treatment effects.

D. TEACHING

I. UNIVERSITY OF HOUSTON

i. Courses

Courses Coordinated

* denotes new course developed for UH

- PHCA 6180, 6181, Graduate Seminar**
- *PHCA 6308, Biostatistics and Experimental Design**
- *PHCA 6398, SAS Programming for Healthcare Data**
- *PHCA 7301, Advanced Regression Methods**
- *PHCA 8305, Risk Adjustment for Healthcare Outcomes**
- *PHCA 8303, Multivariate Analysis in Pharmaceutical Health Outcomes and Policy**
- *PHCA 6297 Special Topics Practical Training in Hospital Clinical Research**

Lectures and participation in other courses

- PHCA 6180, 6181 Faculty in Graduate Seminar**
- PHAR 5362 Pharmacy Administration and Management III**
- PHCA 6312 Pharmacoeconomics in Outcomes Research**
- PHAR 4260 Pharmacy Management I**
- PHAR 4271 Pharmacy Practice II**
- PHCA 6306 Pharmacy Administration and Management II**
- PHCA 6407 Research Methods in Pharmacy Administration**
- PHCA 6315 Healthcare Marketing**

ii. Graduate Student Advising

Current – Primary academic advisor to 4 PhD students.

1. Advisor and Chair, Dissertation Committee, Aisha Vadhariya, PhD Candidate Pharmaceutical Health Outcomes and Policy, Fall 2014 – present.
2. Advisor and Chair, Dissertation Committee, Soumya Chikermane, PhD Candidate Pharmaceutical Health Outcomes and Policy, Fall 2016 – present.
3. Advisor and Chair, Dissertation Committee, Soham Yande, PhD Candidate Pharmaceutical Health Outcomes and Policy, Fall 2018 – present.
4. Advisor and Chair, Dissertation Committee, Suma Gopinathan, PhD Candidate Pharmaceutical Health Outcomes and Policy, Fall 2018 – present.

Completed – Primary academic advisor to 6 PHD students and 12 MS students:

1. Dr. Sharma is currently an Assistant Professor of Pharmacy Administration at the University of Mississippi, School of Pharmacy..
2. Dr. Chitnis is currently Associate Director, Johnson & Johnson, Boston, MA.
3. Dr. Kramer is currently Director of Pharmacy Research at M.D. Anderson, Houston, TX.
4. Dr. Mehta is currently Assistant Professor at UTMB Galveston.

5. Dr. Gupta is currently Clinical Scientist at Vector Oncology, Memphis, TN.
6. Dr. Patel is currently Manager, Global Health Economics at Amgen, Thousand Oaks, CA.
 - Six MS students continued in PhD programs; 6 placed in analyst roles in health care industry. Member of thesis or dissertation committee for over 25 additional students.

2017

1. Advisor and Chair, Dissertation Committee, Manvi Sharma, PhD, 2013- 2017. Graduated Fall 2017. Dissertation: The Concomitant Use of Tyrosine Kinase Inhibitors and Proton Pump Inhibitors: Prevalence, Predictors and Impact on Survival and Discontinuation of Therapy in Older Adults with Cancer.
2. Member, Dissertation Committee, Farid Chekani, PhD Candidate Pharmaceutical Health Outcomes and Policy, Fall 2013 – Summer 2017.
3. Member, Dissertation Committee, Nandita Kachru, PhD Candidate Pharmaceutical Health Outcomes and Policy, Fall 2013 – Summer 2017.

2016

4. Member, Dissertation Committee, Pratik Rane, PhD, Fall 2012 – 2015. Graduated Summer 2016. Dissertation: Safety effects of proton pump inhibitor use among community dwelling adults with gastroesophageal reflux disease.
5. Member, Dissertation Committee, Mark Hatfield, PhD, Fall 2012 – 2015. Graduated Summer 2016. Dissertation: Assessing the impact of multiple levels of influence on the use of hydrocodone combination products and buprenorphine as opioid addiction/dependence treatment.
6. Member, Dissertation Committee, Rohan Medhekar, PhD, Fall 2012 – 2015. Graduated Fall 2016. Dissertation: Using Physician Social Networks to understand the guideline non-concordant prescribing practices among children and adolescents on psychotropic medications.
7. Member, Dissertation Committee, Nipun Atreja, PhD, Fall 2012 – 2015. Graduated Fall 2016. Dissertation: The impact of long-term opioid medication on oral antihyperglycemic medication adherence and subsequent type 2 diabetes mellitus-related hospitalization risk among patients with type 2 diabetes mellitus.

2015

8. Advisor and Chair, Dissertation Committee, Jeetvan Patel, PhD, Fall 2010 – 2015. Graduated August 2015. Dissertation: Medication Use Behavior and Outcomes among Chronic Obstructive Pulmonary Disease Patients.
9. Member, Dissertation Committee, Erin Ferries, PhD, Fall 2012 – 2014. Graduated August 2015. Epidemiology of controlled substance prescription drug utilization in Texas: an analysis of prescription drug monitoring program data.

2014

10. Advisor and Chair, Dissertation Committee, Hemalkumar Mehta, PhD, Fall 2010 – 2014. Graduated May 2014. Dissertation: Comparative Effectiveness of ACEI and ARB for the Risk of Dementia in Elderly Patients with Diabetes and Hypertension.

11. Advisor and Chair, Dissertation Committee, Mark Kramer, PhD, Fall 2011 – 2014. Graduated May 2014. Dissertation: Intravenous Busulfan in Hematopoietic Stem Cell Transplantation: Does Patient Specific Clearance Affect Outcomes?
12. Advisor and Chair, Dissertation Committee, Parul Gupta, PhD, Fall 2009 – 2014. Graduated August 2014. Dissertation: Risk of Hospitalization among Elderly Heart Failure Patients initiating Beta-Blockers or ACE-Inhibitors.
13. Member, Dissertation Committee, I-Hsuan Wu, PhD, Fall 2012 – 2014. Graduated August 2014. Comparative Effectiveness of Smoking Cessation Medications among Schizophrenic Smokers.
14. Member, Dissertation Committee, Vishal Bali, PhD, Fall 2010 – 2014. Graduated, Dec 2014. Comparative Effectiveness of Second Generation Anti-depressants on Cognition and Dementia in the Elderly

2013

15. Member, Dissertation Committee, Mo Yang, PhD, Fall 2009 – Summer 2013. Graduated, Aug 2013. Dissertation: Comparison of Effectiveness of Smoking Cessation Medications among Obese Smokers.
16. Member, Dissertation Committee, Satabdi Chatterjee, PhD, Fall 2009 – Fall 2013. Graduated, Dec 2013. Dissertation: Safety Profile of Anticholinergic Medication Use in the Elderly.

2012

17. Advisor and Chair, Dissertation Committee, Abhishek Chitnis, PhD, Fall 2009 – Fall 2012. Graduated Dec 2012. Dissertation: Angiotensin-converting enzyme inhibitors/angiotensin receptor blockers, statins, and dementia in patients with heart failure.
18. Member, Dissertation Committee, Adarsh Ghandi, PhD, Fall 2008 – present. Graduated Dec 2012. Dissertation: Role of Inflammation in Drug Metabolism and Hepatotoxicity of Prototypical Drugs.
19. Member, Dissertation Committee, Pravin Kamble, PhD, Fall 2010 – Fall 2012. Graduated Dec 2012. Dissertation: Concurrent Stimulant and Atypical Antipsychotic Use in Children and Adolescents with ADHD.
20. Member, Dissertation Committee, Nilanjana Dwibedi, PhD, Fall 2010 – Fall 2012. Graduated Dec 2012. Dissertation: Parent's Expectation to Receive Antibiotic Prescription for Children.
21. Member, Dissertation Committee, Sandhya Mehta, PhD, Fall 2010 – Fall 2012. Graduated Dec 2012. Dissertation: Dementia in Older Adults: Predicting and Preventing Risk.

2011

22. Advisor, Ankit Shah, MS, Fall 2009 – 2011. Graduated Summer 2011: Thesis: Impact of long-acting insulin agents on health related quality of life, health care expenditures and utilization.
23. Advisor, Juhi Shah, MS, Fall 2009 – 2011. Graduated Summer 2011: Thesis: Effect of secondary preventive treatment on the health related quality of life of myocardial infarction patients.
24. Master's thesis committee member, Dhaval Patil, MS, 2010. Graduated Summer 2011: Thesis: The Role of Physicians in the Adoption of Pharmacogenomics in Breast Cancer
25. Master's thesis committee member, Aditi Kadakia, MS, 2010. Graduated Summer 2011: Thesis: Predictors of CMF chemotherapy and risk of renal toxicities associated with Methotrexate in women diagnosed with Breast Cancer

2010

26. Advisor, Hemalkumar Mehta, MS in Pharmacy Administration, 2008 – 2009. Graduated Summer 2010. Thesis: National Trends in Anti-Obesity Medication Use 2002 – 2007.

27. Advisor, Rohan Parikh, MS in Pharmacy Administration, 2008 – 2009. Graduated Summer 2010. Thesis: Quality of Care in Patients with Diabetes and Hypertension
28. Advisor, Jeetvan Patel, MS Candidate Pharmacy Administration, 2008 - 2009. Graduated Summer 2010. Thesis: Impact of Obesity and Age on Chronic Comorbid Conditions in the US
29. Master's Thesis committee member, for Satabdi Chatterjee, MS in Pharmacy Administration, 2009. Graduated Summer 2010. Thesis: Comparative Safety Outcomes of Atypical Antipsychotics in Older Adults: A Retrospective Claims Data Analysis
30. Master's Thesis committee member, for Theresa Doan, MS in Pharmacy Administration, 2009. Graduated Summer 2010. Thesis: Evaluating Health Technology Intervention: Bedside Barcode Administration Process in an ICU Setting
31. Master's Thesis committee member, for Darshan Sangani, MS in Pharmacy Administration, 2009. Graduated Summer 2010. Thesis: Effect of format and sequence of over-the counter drug fact label information on consumer comprehension
32. Master's Thesis committee member, for Harshali Patel, MS in Pharmacy Administration, 2009. Graduated Summer 2010. Thesis: Consumer's awareness, attitude and intention to fill a prescription using generic drug discount programs
33. Master's Thesis committee member, for Dilip Makhija, MS in Pharmacy Administration, 2009. Graduated Summer 2010. Thesis: Pharmacists' Attitude and Preparedness regarding the issue of escalating Pharmaceutical demand due to the aging Baby Boomers

2009

34. Advisor, Santosh Agarwal, MS in Pharmacy Administration, 2008-2009. Graduated Summer 2009. Thesis: Geographic Variation in Quality of Pharmaceutical Care in Veterans with Chronic Heart Failure
35. Advisor, Ravi Kant Yadav, MS in Pharmacy Administration, 2008-2009. Graduated Summer 2009. Thesis: Effect of Statins on the Development of Dementia in Elderly Patients with Diabetes
36. Advisor, Abhishek Chitnis, MS in Pharmacy Administration, 2008-2009. Graduated Summer 2009. Thesis: Comparative Effectiveness of Individual Angiotensin Converting Enzyme Inhibitors in Heart Failure using Propensity Score Approach
37. Advisor, Rishi J. Desai, MS in Pharmacy Administration, 2008-2009. Graduated Summer 2009. Thesis: Comparative Effectiveness of Individual Angiotensin Receptor Blockers in Veterans with Chronic Heart Failure
38. Master's Thesis committee member, for Nilanjana Dwibedi, MS in Pharmacy Administration, 2009. Graduated Summer 2009. Thesis: Comparing Medication Administration Time between Bedside Barcode Medication Administration and Paper Baser Medication Administration in an Intensive Care Unit
39. Master's Thesis committee member, for Darshan Pawar, MS in Pharmacy Administration, 2009. Graduated Summer 2009. Thesis: The Impact of Medicare Part D on the Prevalence of Inappropriate Medications among Elderly Medicare Beneficiaries
40. Master's Thesis committee member, for Vishal Saundankar, MS in Pharmacy Administration, 2009. Graduated Summer 2009. Thesis: Impact of Lipid Clinic on Attainment of Lipid, Glycemic and Blood Pressure Goals in Patients with Type 2 Diabetes and Coronary Heart Disease
41. Master's Thesis committee member, for Sandhya Mehta, MS in Pharmacy Administration, 2009. Graduated Summer 2009. Thesis: Comparative safety of typical and atypical antipsychotics in older adults.

2008

42. Advisor, Dhvani Shah, MS in Pharmacy Administration, 2007-2008. Graduated Summer 2008. Thesis: "Association between pharmacy treatment and outcomes in patients with chronic heart failure."
43. Advisor, Manvi Sharma, MS in Pharmacy Administration, 2007-2008. Graduated Summer 2008. Thesis: "Comparative effectiveness of angiotensin converting enzyme inhibitors and angiotensin II receptor blockers in heart failure."
44. Advisor, Niraj Parikh, MS in Pharmacy Administration, 2007-2008. Graduated Summer 2008. Thesis: "Hypertension, antihypertensive medications and dementia in elderly patients with diabetes."
45. Master's Thesis committee member, for Rohit Wattal, MS in Pharmacy Administration, 2008. Graduated Summer 2008. Thesis: "Evaluation of Ritonavir boosted protease inhibitor in the treatment of HIV infected patients."
46. Master's Thesis committee member, for Sham Chaudhuri, MS in Pharmacy Administration, 2008. Graduated Summer 2008. Thesis: "Out of pocket burden for elderly Medicare beneficiaries before and after implementation of Medicare Part D."
47. Master's Thesis committee member, for Taiwo Obajuluwa, MS in Pharmacy Administration, 2008. Graduated Summer 2008. Thesis: "The effects of Medicare Part D on the prevalence of inappropriate psychotropic medications use among elderly Medicare beneficiaries."

2007

48. Master's Thesis committee member, for Elda Jano, MS in Pharmacy Administration, 2007. Graduated, Summer 2007. Thesis: "Prevalence, determinants, and healthcare impact of antipsychotic use in the elderly."
49. Dissertation committee member, for Jessica Calleo, PhD in Clinical Psychology, 2006-2007. Graduated, Fall 2007. Dissertation: "Health service utilization in older adults with generalized anxiety disorder."

iii. Educational Grants

1. Development of Online Courses for the MS program in Pharmacy Administration
University of Houston, Faculty Development Initiative Program
Co-investigator (PI: S Sansgiry)
2007-2008
Total cost \$20,000

II. BAYLOR COLLEGE OF MEDICINE

Lectures

Clinical Scientist Training Program. Pharmacoepidemiology: Methods and Applications to Health Services Research. Baylor College of Medicine, Spring 2005.

Clinical Scientist Training Program. Pharmacoepidemiology: Methods and Applications to Health Services Research. Baylor College of Medicine, Spring 2004.

Clinical Scientist Training Program. Measuring the Quality of Healthcare Services: What Do We Know?

Baylor College of Medicine, Spring 2003.

Clinical Scientist Training Program. Measuring the Quality of Healthcare Services: What Do We Know? Baylor College of Medicine, Spring 2002.

Clinical Scientist Training Program. Bias: A Researcher's Sin. Baylor College of Medicine, Spring 2001.

Sub-Specialty Fellows Course, Biostatistics section. Baylor College of Medicine, Summer 1996.

E. RESEARCH FELLOW TRAINING

1. Mentoring Manvi Sharma, PhD, Post-Doctoral fellow at the UT Health McGovern Medical School, Houston, TX. Accepted tenure track Assistant Professor, University of Mississippi, Nov 2018.
2. Preceptor to Tara Esse, PharmD, Texas Healthspring, 2011-2012. Esse T, Serna O, Chitnis AS, Johnson ML, Fernandez N. Quality Compensation Programs: Are They Worth All the Hype? A Comparison of Outcomes within a Medicare Advantage Heart Failure Population. JMCP, 2013 May;19(4):317-24.
3. Mentored Suja Rajan, PhD, Assistant Professor, UH College of Pharmacy, 2010-August 2011. Took new position as Assistant Professor, tenure track at UTSPH Fall 2012.
4. Mentored Iris Wei, Dr.PH, VA Post-doctoral Fellow, 2006-2007 until she took new position at CMS.
5. Mentored Yavonne Evans Martinez, PharmD, MPH student, Summer 2003. "Factors of Patient Trust Related to the Pharmaceutical Industry." Abstract presented at Annual Meeting of the American College of Clinical Pharmacy, Dallas, Texas, October 2004.
6. Mentored Kathleen Neville, MD, Pediatric Hematology-Oncology Fellow, CSTP Spring 2002. Thesis, "Ethics of informed consent in pediatric hematology-oncology health services research".

F. RESEARCH

G. RESEARCH SUPPORT

i. Active:

1. A Research and Education Partnership between HMH Department of Pharmacy and UH Department of Pharmaceutical Health Outcomes and Policy.
Contract: Houston Methodist Hospital
PI (Co-investigator J. Swan)
2016-2019
2. United States Post-Marketing Observational Cardiovascular Safety Study in Patients Taking Naloxegol versus prescription non-peripherally acting mu-opioid receptor antagonists (PAMORA)

Contract: AstraZeneca
 Steering Committee (PI: R. LoCasale)
 2016-2019

3. A motivational interviewing intervention customized by patient adherence patterns, Resubmission National Heart, Lung, and Blood Institute (NHLBI)
 Co-inv 10% (PI: S. Abughosh)
 \$465,000
 2018-2021

ii. Under Review:

1. Effectiveness of oral tyrosine kinase inhibitors in lung cancer patients taking acid suppression
 NIH R15
 PI 10%
 \$472,120
 2018-2020
 First round score 27. JIT process
2. Regulatory mechanisms of irinotecan liver toxicity
 NIH R15
 Co-inv budgeted effort: 0.09 calendar months/year (PI: R. Ghose)
 2019-2022
3. Novel Colon Cancer Therapy by Targeted Epigenetic Silencing of KRAS
 NIH
 Consultant/Co-inv 10% (PI: B. Guo)
 My budgeted effort: \$10,000 per year
 2019-2024
4. Treatment of Irinotecan-Induced Intestinal Toxicity with an Herbal Mixture SST: Mechanistic Studies and Clinical Trial
 NIH
 Consultant/Co-inv 10% (PI: M. Hu)
 My budgeted effort: 0.5 month salary per year
 2019-2024
5. Validating adherence measures for concurrent antihypertensive combination therapy
 AHRQ
 Co-inv 10% (PI: S. Abughosh)
 \$100,000
 2019-2021

iii. Complete:

1. Risk of Thrombosis and Bleeding in Patients on Warfarin or Apixaban (Eliquis) and Concomitant Anti-arrhythmic Medications
BMS/ Pfizer
Co-inv 10% (PI: M. Wanat, S. Abughosh)
\$202,548
2016-2018
2. Improving adherence to statins with targeted motivational interviewing interventions based on group based trajectory models among patients enrolled in a Medicare Advantage plan
Regeneron
Co-inv 10% (PI: S. Abughosh, M. Fleming)
\$184,585
2016-2018
3. Does Access to Patient Centered Medical Home reduce Racial and Ethnic Disparities in the care for Pediatric Major Depressive Disorders?
NIMHD R03 (PI: H. Chen)
Co-investigator 5%
2016-2018
4. A motivational interviewing intervention customized by patient adherence patterns
NIH R15
Co-inv 10% (PI: S. Abughosh)
\$438,250
2016-2018
5. Physician educational webinars to improve statin prescribing and guideline adherence among patients in a Medicare Advantage Plan.
Sanofi
Co-inv 5% (PI: M. Fleming)
2016-2018
6. Physician educational webinars to improve statin prescribing and guideline adherence among patients in a Medicare advantage plan
Sanofi
Co-inv 10% (PI: M. Fleming, S. Abughosh)
\$115,470
2016-2017
7. Comparative effectiveness of basal bolus vs. sliding scale insulin for glucose control of a general hospital inpatient population.
Contract: Houston Methodist Hospital
PI (Co-investigator A. Sadhu)
2016-2017
8. Anticholinergics and Cognitive Decline in the Elderly with Depression/Dementia.
AHRQ R01 HS021264-01A1
Co-investigator 1.5 months (PI: R. Aparasu)

2012-2016

9. Center for Outcomes Research
Houston Methodist Hospital, Department of Surgery
Consultant (PI: N. Wray and C. Ashton)
2013-2016.
10. A Clinical Risk Index for Primary Clostridium Difficile Infection
Texas Department of State Health Services
Co-inv 10% (PI: K.Garey)
\$100,000
2014-2016
11. Outcomes of Angiotensin Receptor Blocker Use for Heart Failure in the Elderly
AHRQ R03
Principal Investigator
2008-2010
Total cost \$100,000
12. The Impact of the FDA Antidepressant Black Box Warning on the Quality of Psychiatric Practice
AHRQ R03
Consultant (PI: H Chen)
2007-2008
Total cost \$72,000
13. University of Calabar Teaching Hospital Center of Excellence in Infectious Diseases Program
World Bank
Co Investigator 5% (PI: Essien)
2011-2013
Total cost \$7,000,000
UH Subcontract cost \$1,200,000
14. Burden of COPD in a VA population and comparison of Advair Utilization with other controller medications
GlaxoSmithKline, contract
Consultant
2007
Total cost \$35,000
15. "METRIC: Measurement Excellence and Training Resource Information Center"
Department of Veterans Affairs Health Services Research and Development Service
Investigator 10% (PI: Kuykendall)
2006 (through September)
Annual direct cost \$400,000
Center Grant
16. "Use of VA Pharmacy Services by Medicare Enrolled Veterans"
Department of Veterans Affairs Health Services Research and Development Service
Co-Principal Investigator 25% (PI: Morgan)
2003-2006

- Annual direct cost \$285,400(yr 1), \$307,700(yr 2), \$278,800(yr 3)
Grant
17. “Pharmacy Use in Patients with Chronic Heart Failure”
Department of Veterans Affairs Health Services Research and Development Service
Principal Investigator 35%
2003-2005
Annual direct cost \$252,100(yr 1), \$234,600(yr 2)
Grant
 18. “The Prevalence and Effects of Adherence to ACG Guidelines for NSAID Prescription in the VA.”
American College of Gastroenterology
Co-Investigator 5%, donated. (PI: Abraham)
2004-2005
Annual direct cost \$32,458 (12 months)
Grant
 19. “Recognition and Treatment of Depression and Anxiety in Congestive Heart Failure (CHF)”
Houston Center for Quality of Care and Utilization Studies
Co-Investigator 5%, donated. (PI: Cully)
2005
Annual direct cost \$10,000 (6 months)
Locally Funded Project
 20. “Implementation of ALLHAT Results in VHA”
Department of Veterans Affairs Health Services Research and Development Service
Co-Investigator 5%, donated. (PI: Ashton)
2004-2005
Annual direct cost \$50,000
Grant
 21. “Epidemiology and Economics of Pharmaceutical Use in the VA”
Merit Review Entry Program (MREP) VA Health Services Research and Development
Principal Investigator, 100%
2003-2005
Annual direct cost 100% salary support three years
Career Development Award
 22. “Adherence to EBM Guidelines for NSAID Prescription in the VA”
Houston Center for Quality of Care and Utilization Studies
Co-Investigator 5%, donated. (PI: Abraham)
2004
Annual direct cost \$12,466 (6 months)
Locally Funded Project
 23. “Role of Endovascular Abdominal Aortic Aneurysm Repair in Reducing Surgical Morbidity and Mortality”
Houston Center for Quality of Care and Utilization Studies
Co-Investigator 5%, donated. (PI: Bush)
2004
Annual direct cost \$13,669 (6 months)

Locally Funded Project

24. "Hypertension, Diabetes, and Hyperlipidemia Treatment and Outcomes: A regional study of patients in the Department of Veterans Affairs"
Pfizer
Principal Investigator 25%
2002-2003
Annual direct cost \$168,746(yr 1), \$21,125 (yr2)
Contract
25. "Costs of Inpatient, Outpatient, and Pharmacy Services in the VA"
Department of Veterans Affairs Health Services Research and Development Service
Principal Investigator, 10%
2002
Annual direct cost \$10,000
Locally Initiated Project
26. "Coordinating Center for the VA Quality Enhancement Research Initiative on CHF"
Department of Veterans Affairs Health Services Research and Development Service
Co-Investigator 20% (PI: Beyth)
1998-2002
Annual direct cost \$322,216(yr 1), \$195,654(yr 2), \$195,654(yr 3), \$195,654(yr 4), \$199,654 (yr. 5): total direct cost \$1,120,832
Grant
27. A Communication Model for Self-Management Behavior
AHRQ and NIH
Statistician 10% (PI: Collins)
2002
Annual direct cost: \$135,955 (Yr1), \$149,884 (Yr2), \$77,003 (Yr3)
Grant
28. "Pilot Just-in-Time IRB Review Evaluation"
Department of Veterans Affairs Health Services Research and Development Service
Co-Investigator 10% (PI: Kelly)
2002-2003
Annual direct cost \$100,000 (yr 1)
Grant
29. Patient Attitudes Concerning Trust
AHRQ and NIH
Statistician 10% (PI: O'Malley)
2001-2002
Annual direct cost: \$92,968 (Yr1), \$105,757 (Yr2)
Grant
30. VISN 16 Lansoprazole Pharmacy Waste Project
Department of Veterans Affairs, VISN 16 (Jackson, MS)
Principal Investigator 25%
2000
Annual direct cost: \$37,913 (4 months)

Contract

I. NATIONAL SCIENTIFIC PARTICIPATION

I. Journal editorial boards

Ad hoc reviewer, Medical Care, 1997–present.

Ad hoc reviewer, Health Services Research, 2003–present.

Ad hoc reviewer, Alimentary Pharmacology and Therapeutics, 2005-present.

Ad hoc reviewer, Journal of General Internal Medicine, 2005-present.

Ad hoc reviewer, American Journal of Managed Care, 2005-present.

Ad hoc reviewer, Current Medical Research and Opinion, 2006- present.
International Advisory Board, 2008-2010.

Ad hoc reviewer, American Journal of Hypertension, 2006.

Ad hoc reviewer, Clinical and Experimental Hypertension, 2008.

Ad hoc reviewer, Value in Health, 2008- present.

Ad hoc reviewer, The Annals of Pharmacotherapy, 2008-present.

Ad hoc reviewer, Journal of Managed Care Pharmacy, 2009-present.

Ad hoc reviewer, Journal of Medical Economics, 2009-present.
Editorial Board, 2010-present.

Ad hoc reviewer, Journal of Clinical Lipidology, 2010-present.
Editorial Board, 2010-present.

Ad hoc reviewer, Journal of American Geriatric Society, 2011-present.

Ad hoc reviewer, Journal of Clinical Pharmacy and Therapeutics, 2011-present.

National Institutes of Health, Center for Scientific Review, Study Section Ad Hoc Reviewer,
Behavioral and Social Consequences of HIV/AIDS (BSCH), 2016

II. Review Panels

UTMB Claude D. Pepper Older Americans Independence Center Scientific Review Committee

(Pepper-SRC). July 2018.

National Institutes of Health, Center for Scientific Review, Behavioral and Social Consequences of HIV/AIDS (BSCH) Study Section, June 2016

American Heart Association, Outcomes/Qualitative Research & Therapeutic Clinical Trials Peer Review Study Group, 2010 – 2014. Four-year appointment. Grant reviewer for:

Spring 2010 – 9 grants

Fall 2010 - 11 grants

Spring 2011 – 10 grants

Fall 2011 – 7 grants

Spring 2012 – 10 grants

Agency for Healthcare Research and Quality, Special Emphasis Panel, March 2008.

National Institutes of Health, Center for Scientific Review, Health Services Organization and Delivery (HSOD) Study Section, June 2007

Canadian Institutes of Health Research, Randomized Controlled Trials section, October 2006.

Member, Abstract Review Committee, ISPOR 9th Annual European Congress, Copenhagen, Denmark, October 2006.

Member, Abstract Review Committee, VA HSR&D Annual meeting, 2005.

Member, Evaluation team for “Just-In-Time” IRB Evaluation project at the VA HSR&D Scientific Review Evaluation Board, January 2003, 3 days.

Member, Evaluation team for “Just-In-Time” IRB Evaluation project at the VA HSR&D Scientific Review Evaluation Board, June 2002, 2 days.

Member, Executive Committee, CHF QUERI, Department of Veterans Affairs, February 2000–October 2001.

Member, Abstract Review Committee, VA HSR&D Annual meeting, 1999.

Member, Research and Development Review Committee, Houston VA Medical Center, October 1999–September 2002.

Professional Societies

International Society for Pharmacoeconomic and Outcomes Research, 2002–present.

Instructor, Short Course: Introduction to Design and Analysis of Comparative Effectiveness Studies using Retrospective Databases, Baltimore 2011; Madrid 2011; Washington DC 2012.

Chair, Task Force on Good Research Practices for Retrospective Database Studies, 2007-present. Task Force Report published in three parts (see publications).

Co-chair, (with William Marder, PhD) Retrospective Database Special Interest Group, 2004 - 2007.

Co-authored report to CMS: ISPOR Comment on Proposed Medicare Part D Prescription drug event record data elements. April 2005.

http://www.ispor.org/sigs/Comments_MedicareRxDataElements.pdf

Co-authored second report to CMS: ISPOR Comment on Proposed US Medicare Ruling on Use of Drug Claims Data for Outcomes Research

http://www.ispor.org/workpaper/ispor_comments/RDSIGComments%20toCMSProposed%20PartDRuling.pdf

Presentation Judge, ISPOR 11th Annual International Meeting, Philadelphia, PA, May 21-24, 2006.

International Society for Pharmacoepidemiology, 2003-present.

Academy for Health Services Research and Health Policy, 1998–2008.

Society of General Internal Medicine, 2002–2003.

III. Invited lectures, presentations, research seminars

1. Marginal Structural Models to Improve Causal Inference of Non-randomized Treatment Effects.” University of Texas Medical Branch, Galveston, Texas. January 19, 2016.
2. Observational Studies and Registries, Longitudinal Data Analysis. Video-recorded lecture for EdEx series: MDAnderson Cancer Center, R25, M. Suarez-Almazor, PI. Nov 2015.
3. “Promotion and Tenure: An Open Forum for Faculty.” University of Houston, College of Pharmacy, April 14, 2015.
4. “Comparative effectiveness of individual angiotensin receptor blockers on risk of mortality in patients with chronic heart failure.” University of Texas, School of Public Health, San Antonio Regional Campus, March 14, 2011.
5. “Design and Analysis of Non-randomized Studies of Treatment Effects using Secondary Databases,” DRAFT Report, for the ISPOR Task Force members on Good Research Practices for Retrospective Database Studies. Forum presentation at the 14th Annual International Meeting, ISPOR, Orlando, FL, May 19, 2009.
6. “Anti-hypertensive drug use and risk of dementia in patients with diabetes.” Research in Progress, Houston Center of Excellence, December 10, 2008.
7. “Anti-hypertensive drug use and risk of dementia in patients with diabetes.” Baylor College of Medicine, Department of Neurology, November 21, 2008.
8. “Design and Analysis of Non-randomized Studies of Treatment Effects using Secondary Databases,” DRAFT Report, for the ISPOR Task Force members on Good Research Practices for Retrospective Database Studies. Forum presentation at the 13th Annual International Meeting, ISPOR, Toronto, Canada, May 4, 2008.
9. “Marginal Structural Models: A Method to Improve Causal Inference in Observational Studies.”

- Design and Analysis Section Seminar, Houston HSR&D, February 26, 2007.
10. "Hospital Use and Survival Among Veteran Affairs Beneficiaries: A Policy Evaluation Study using Retrospective Databases in the US Veterans Health Administration." Panel presentation, ISPOR 11th Annual International Meeting, Philadelphia, PA, May 23, 2006.
 11. "Large Database Analysis in Health Services Research" Lecture: University of Texas Health Science Center at Houston, Health Services Research Course. March 1, 2006.
 12. "VA and Non-VA Databases and their uses – Part II." New Faculty, Post-Doctoral Seminar Series, Houston Center of Excellence, February 9, 2006.
 13. "VA and Non-VA Databases and their uses – Part I." New Faculty, Post-Doctoral Seminar Series, Houston Center of Excellence, January 12, 2006.
 14. "VA and Non-VA Databases and their uses – Part II." New Faculty, Post-Doctoral Seminar Series, Houston Center of Excellence, September 28, 2004.
 15. "VA and Non-VA Databases and their uses – Part I." New Faculty, Post-Doctoral Seminar Series, Houston Center of Excellence, September 14, 2004.
 16. "Hypertension and Dyslipidemia: Prevalence, Risk, and Goal Attainment – a Multi-center Study of Patients in VISN 16." Cardiovascular Center of Excellence Seminar Series, Michael E. DeBakey Veterans Affairs Medical Center, May 20, 2004.
 17. "VA and Non-VA Databases and their uses – Part II." New Faculty, Post-Doctoral Seminar Series, Houston Center of Excellence, February 24, 2004.
 18. "VA and Non-VA Databases and their uses – Part I." New Faculty, Post-Doctoral Seminar Series, Houston Center of Excellence, February 10, 2004.
 19. "Lose Something? Ways to Handle Your Missing Data" Professional Development Seminar Series, Houston Center for Quality of Care and Utilization Studies, presented September 17, 2003.
 20. "Hypertension, Dyslipidemia and Diabetes: Prevalence, Treatment and Goal Attainment: in Patients at the Houston VAMC" Grand Rounds, Houston VA Medical Center, April 28, 2003.
 21. "Cost of Inpatient, Outpatient and Pharmacy Services" QOWW Seminar Series, Houston Center for Quality of Care and Utilization Studies, presented March 12, 2003.
 22. "Pharmaceutical Health Services Research." HSR Academy, Houston Center of Excellence, November 6, 2002.
 23. "VA and Non-VA Databases and their uses." New Faculty, Post-Doctoral Seminar Series, Houston Center of Excellence, October 29, 2002.
 24. "Pharmacoepidemiology: Methods and Applications to Health Services Research, Houston Center of Excellence QOWW seminar series, February 27, 2002.
 25. "VA and Non-VA Databases and their uses." New Faculty, Post-Doctoral Seminar Series,

- Houston Center of Excellence, February 21, 2002.
26. "Pharmacy Dispensing Patterns, Healthcare Costs and Utilization: A study of Lansoprazole." Seminar, University of Texas at Austin, Center for Pharmacoeconomic Studies, November 14, 2001.
 27. "Use of VA Databases for Health Services Research", Planning Conference for Research Collaboration: University of Texas at Austin and Department of Veterans Affairs, Austin, Texas, September 19, 2001.
 28. "Risk Factors for Lower Extremity Non-Traumatic Amputation in Peripheral Arterial Disease: Use of Clinical and Administrative Data", Planning Conference for Research Collaboration: University of Texas at Austin and Department of Veterans Affairs, Austin, Texas, September 19, 2001.
 29. "Houston HSR&D Center of Excellence." Congressional Update, Houston VA Medical Center, September 13, 2001.
 30. "Lansoprazole Pharmacy Waste Project- VISN 16," presented at the VISN 16 Pharmacy Benefits Management Annual Meeting, Little Rock, Arkansas, October 2000.
 31. "Final Report: Lansoprazole Pharmacy Waste Project – VISN 16", QOWW Seminar Series, Houston Center of Excellence, October 4, 2000.
 32. "Proposal: Lansoprazole Pharmacy Waste Project–VISN 16," presented at the VISN 16 Health Care Advisory Council, Dallas, Texas, February 2000.
 33. "Illness Trajectory, Resource Use and Outcome of Hospitalization." QOWW Seminar Series, Houston Center of Excellence, October 27, 1999.
 34. "A Comparison of Markov and Generalized Linear Models of Hospital Mortality." Dissertation, University of Texas Health Science Center at Houston. School of Public Health, April 9, 1999.
 35. "QUERI: A Program for Translating Research into Practice." Dean's Committee, Baylor College of Medicine and Houston VA Medical Center, May 19, 1998.
 36. "John P. McGovern Outstanding Teacher of the Year, Asha S. Kapadia, PhD. Commencement Address," University of Texas Health Science Center at Houston, School of Public Health, May 1994.

H. PUBLICATIONS

Google Scholar page: <https://scholar.google.com/citations?user=jT0EWS4AAAAJ&hl=en&oi=ao>

I. Full papers

i. Published in refereed journals:

*represents corresponding or senior author

^represents student author

1. Rizk E, Swan JT, Cheon O, Colavecchia AC, Bui LN, Kash B, Chokshi SP, Chen H, Johnson ML, Liebl MG, Fink E. Quality indicators to measure the impact of opioid stewardship interventions in the hospital and emergency department settings. *AJHSP*. Accepted, Nov 2018.
2. Sharma M[^], Holmes HM, Aparasu RR, Chen H, Mehta HB, Shih T, Giordano SH, Johnson ML. The Concomitant Use of Tyrosine Kinase Inhibitors and Proton Pump Inhibitors: Prevalence, Predictors and Impact on Survival and Discontinuation of Therapy in Older Adults with Cancer. *Cancer*, accepted Nov 2018.
3. [Karuturi MS, Holmes HM, Lei X, Johnson M, Barcenas CH, Cantor SB, Gallick GE, Bast RC Jr, Giordano SH. Potentially inappropriate medication use in older patients with breast and colorectal cancer. *Cancer*. 2018 Jul 15;124\(14\):3000-3007. doi: 10.1002/encr.31403. Epub 2018 Apr 24. PMID: 29689595](#)
4. [Wu, I., Chen, H., Bordnick, P., James Essien, E., Johnson, ML, J Peters, R., Vadhariya, A[^], & Abughosh, S. \(2018\). Comparative Effectiveness of Smoking Cessation Medications among Schizophrenic Smokers. *Trends Journal Of Sciences Research*, 3\(3\), 104-115.<https://doi.org/10.31586/PharmaceuticalHealth.0303.01>](#)
5. Medhekar R[^], Aparasu R, Bhatara V, Johnson ML, Alonzo J, Schwarzwald H, Chen H. Risk factors of psychotropic polypharmacy in the treatment of children and adolescents with psychiatric disorders. *Res Social Adm Pharm*. 2018 Jun 13. pii: S1551-7411(17)30981-6. doi: 10.1016/j.sapharm.2018.06.005. [Epub ahead of print]
6. Medhekar R[^], Aparasu R, Alonzo J, Johnson ML, Chen H. Physician care-coordination and the use of psychotropic polypharmacy in the management of pediatric mental disorders. Accepted, June 2018, *Journal of Managed Care & Specialty Pharmacy*.
7. Sharma M[^], Vadhariya A[^], Johnson ML, Marcum, Z, Holmes HH. The association of industry payments and prescribing costly medications: an observational study using open payments and medicare part D data. *BMC Health Serv Res* 2018 Apr 2; 18(1):236: PMID: 29609611
8. Chatterjee S, Bali V, Carnahan RM, Chen H, Johnson ML, Aparasu RR. Risk of mortality associated with anticholinergic use in elderly nursing home residents with depression. *Drugs Aging* 2017 Jun 27. [Epub ahead of print] PMID: 28656508

9. Ferries EA, Gilson AM, Aparasu RR, Chen H, Johnson ML, Fleming ML. The prevalence of and factors associated with receiving concurrent controlled substance prescriptions. *Subst Use Misuse* 2017 Oct 15;52(12):1639-1645. PMID: 28557587
10. Wu IH, Chen H, Bordnick P, Essien EJ, Johnson ML, Peters RJ, Wang X, Abughosh SM. Comparison of Suicide Attempts/Behaviors following Smoking Cessation Treatments among Schizophrenic Smokers. *Arch Psychiatr Nurs*. 2017 Feb;31(1):62-67. doi: 10.1016/j.apnu.2016.08.001 PMID: 28104060
11. Bali V, Chatterjee S, Johnson ML, Chen H, Carnahan RM, Aparasu RR. Risk of mortality in elderly nursing home patients with depression using paroxetine. *Pharmacotherapy*. 2017 Jan 12. doi: 10.1002/phar.1898. [Epub ahead of print] PMID: 28079266
12. Colavecchia AC, Putney DR, Johnson ML, Aparasu RR. Discharge medication complexity and 30-day heart failure readmissions. *Res Social Adm Pharm*. 2017 Jul-Aug;13(4): 857-863. PMID: 27771308
13. Bali V, Chatterjee S, Johnson ML, Chen H, Carnahan RM, Aparasu RR. Risk of cognitive decline associated with paroxetine use in elderly nursing home patients. *Am J Alzheimers Dis Other Demen*. 2016 Dec;31(8):678-686. PMID: 27765867
14. Yang M, Chen H, Johnson ML, Essien EJ, Peters RJ, Wang X, Abughosh S. Comparative effectiveness of smoking cessation medications to attenuate weight gain following cessation. *Subst Use Misuse*. 2016;51(5):586-97. doi: 10.3109/10826084.2015.1126744. PMID: 27007975
15. Ferries E, Gilson AM, Chen H, Aparasu RR, Johnson ML, Fleming M. Prevalence and Factors Associated with Multiple Provider Episodes in Texas: An Epidemiological Analysis of Prescription Drug Monitoring Program Data. *Pain Med*. 2016 Oct 15. pii: pnw250. [Epub ahead of print]. PMID: 27744401
16. Bali V, Chatterjee S, Johnson ML, Chen H, Carnahan RM, Aparasu RR. Comparative risk of hip fractures in elderly nursing home patients with depression using paroxetine and other selective serotonin reuptake inhibitors. *J Comp Eff Res*. 2016 Aug;5(5):461-73. doi: 10.2217/cer-2016-0009. PMID: 27426927
17. Chatterjee S, Bali V, Carnahan RM, Chen H, Johnson ML, Aparasu RR. Anticholinergic medication use and risk of fracture in elderly adults with depression. *J Am Geriatr Soc*. 2016 Jul;64(7):1492-7. doi: 10.1111/jgs.14182. PMID: 27294403
18. Chatterjee S, Carnahan RM, Chen H, Holmes HM, Johnson ML, Aparasu RR. Anticholinergic medication use and risk of pneumonia in elderly adults: a nested case-control study. *J Am Geriatr Soc*. 2016 Feb;64(2):394-400. doi: 10.1111/jgs.13932. PMID: 26889844
19. Bali V, Holmes HM, Johnson ML, Chen H, Fleming ML, Aparasu RR. Comparative effectiveness of second-generation antidepressants in reducing the risk of dementia in elderly

- nursing home residents with depression. *Pharmacotherapy*. 2016 Jan;36(1):38-48. doi: 10.1002/phar.1680. PMID: 26748455
20. Mehta HB, Mehta V, Girman C, Johnson ML. Regression Coefficient Based Scoring System Should be Used to Assign Weights to the Risk Index. *J Clin Epidemiol*. 2016 Nov;79:22-28. doi: 10.1016/j.jclinepi.2016.03.031. PMID: 27181564
 21. Swan JT, Ashton CM, Bui Ln, Pham VP, Shirkey BA, Blackshear JE, Bersamin JB, Pomer RM, Johnson ML, Magtot AD, Butler MO, Tran SK, Sanchez LR, Georges JA, Ochoa RA, Hai SA, Denison KI, Graviss EA, Wray NP. Effect of Chlorhexidine Bathing Every Other Day on Prevention of Hospital-Acquired Infections in the Surgical Intensive Care Unit: A Single Center, Randomized Controlled Trial. *Crit Care Med*. 2016 Oct;44(10):1822-32. doi: 10.1097/CCM.0000000000001820. PMID: 27428384
 22. Mehta HB[^], Sura SD[^], Sharma M[^], Johnson ML, Riall TS. Comparative Performance of Diagnosis and Prescription Based Comorbidity Scores to Predict Health-Related Quality of Life. *Med Care*. 2016 May;54(5):519-27. doi: 10.1097/MLR.0000000000000517. PMID: 26918403
 23. Shah DN, Chan FS, Kachru N, Garcia KP, Balcer HE, Dyer AP, Emanuel JE, Jordan MD, Lusardi KT, Naymick G, Polisetty RS, Sieman L, Tyler AM, Johnson ML, Garey KW. *Springerplus*. 2016 Aug 2;5(1):1224. doi: 10.1186/s40064-016-2825-x. eCollection 2016. PMID: 27536508
 24. Chatterjee S, Bali V[^], Carnahan RM, Johnson ML, Chen H, Aparasu RR. "Anti-cholinergic medication use and risk of dementia in elderly nursing home residents with depression". *Am J Geriatr Psychiatry*. 2016 Jun;24(6):485-95. doi: 10.1016/j.jagp.2015.12.011. Epub 2016 Feb 17. PMID: 26976294
 25. Bali V[^], Johnson ML, Chen H, Fleming M, Holmes H, Aparasu RR. "Comparative cognitive profile of second generation antidepressants in elderly nursing home residents with depression." *Ann Pharmacother*. 2016 Feb;50(2):96-105. doi: 10.1177/1060028015618978. PMID: 26610873
 26. Chitnis AS[^], Aparasu RR, Chen H, Kunik ME, Schulz PE, Johnson ML*. Use of angiotensin converting enzyme inhibitors and angiotensin receptor blockers and risk of dementia in heart failure. *Am J Alzheimers Dis Other Demen*. 2016 Aug;31(5):395-404. doi: 10.1177/1533317515618799. PMID: 26705381
 27. Mehta HB[^], Mehta V, Tsai CL, Chen H, Aparasu RR, Johnson ML*. Development and validation of the RxDx-dementia risk index to predict dementia in patient with type 2 diabetes and hypertension. *J Alzheimers Dis*. 2016;49(2):423-32. doi: 10.3233/JAD-150466. PMID: 26519436

28. Kachru N, Carnahan RM, Johnson ML, Aparasu RR. Potentially inappropriate anticholinergic medication use in older adults with dementia. *J Am Pharm Assoc* (2003). 2015 Nov-Dec;55(6):603-12. doi: 10.1331/JAPhA.2015.14288. PMID: 26501745
29. Chitnis AS[^], Aparasu RR, Chen H, Kunik ME, Schulz PE, Johnson ML*. Use of statins and risk of dementia in heart failure: a retrospective cohort study. *Drugs Aging*. 2015 Sep;32(9):743-54. doi: 10.1007/s40266-015-0295-4. PMID: 26363909
30. Bali V[^], Carnahan R, Chen H, Johnson ML, Aparasu RR. Risk of Dementia in Elderly Nursing Home Patients using Paroxetine and other Selective Serotonin Reuptake Inhibitors. *Psychiatr Serv*. 2015 Dec 1;66(12):1333-40. doi: 10.1176/appi.ps.201500011. PMID: 26234334
31. Kachru N[^], Carnahan RM, Johnson ML, Aparasu RR. Potentially inappropriate anticholinergic medication use in community-dwelling older adults: a national cross-sectional study. *Drugs Aging*. 2015 May;32(5):379-89. PMID: 25832970
32. Kamble P[^], Chen H, Johnson ML, Bhatara V, Aparasu RR. Concurrent use of stimulants and second-generation antipsychotics among children with ADHD enrolled in Medicaid. *Psychiatr Serv*. 2015 Apr 1;66(9):404-10. PMID 25828983
33. Yang M[^], Chen H, Johnson ML, Essien EJ, Peters RJ, Abughosh S. Comparison of Diabetes Risk following Smoking Cessation Treatment Using Varenicline vs. Bupropion among Obese Smokers. *Subst Use Misuse*. 2015;50(13):1628-37. doi: 10.3109/10826084.2015.1023457.
34. Yang M[^], Mehta HB[^], Bali V[^], Gupta P[^], Wang X[^], Johnson ML, Aparasu R. Which Risk-Adjustment Index Performs Better In Predicting 30-Day Mortality? – A Systematic Review. *J Eval Clin Pract*. 2015 Apr;21(2):292-9. PMID: 25659330.
35. Bernhardt MB[^], Moffett, B, **Johnson ML**, Tam VH, Thompson P, Garey, KW. Agreement among measurements and estimations of glomerular filtration in children with cancer. *Pediatric Blood and Cancer*. 2015 Jan;62(1):80-4 PMID:25263332
36. Kadakia A[^], Rajan S, Abughosh S, Du XL, **Johnson ML**. CMF-regimen preferred as first-course chemotherapy for older and sicker women with breast cancer: Findings from a SEER-Medicare based population study. *Am J Clin Oncol*. 2015 Apr;38(2):165-73. PMID: 23608830.
37. Wu D, Coselli JS, Johnson ML, LeMaire SA. Hepatopancreaticobiliary values after thoracoabdominal aneurysm repair. *Aorta*, August 2014, Volume 2, Issue 4: 135-142. DOI: <http://dx.doi.org/10.12945/j.aorta.2014.14-015>.
38. Phe K, **Johnson ML**, Palmer H, Tam V. Validation of a model to predict the risk of nephrotoxicity in patients receiving colistin. *Antimicrob Agents Chemother*. 2014 Nov;58(11):6946-8. doi: 10.1128/AAC.03776-14. PMID: 25136012
39. Esse T[^], Serna O, Chitnis AS[^], **Johnson ML**, Fernandez N. Quality Compensation Programs: Are They Worth All the Hype? A Comparison of Outcomes within a Medicare Advantage Heart Failure Population. *JMCP*, 2013 May;19(4):317-24.

40. Patel H[^], Sansgiry SS, **Johnson ML**, Issa A. Consumer's intention to use generic drug discount programs. In press, Journal of Pharmaceutical Health Services Research. 2013
41. Mehta HB[^], Rajan SS, Aparasu RR, **Johnson ML***. Application of the Non-linear Blinder-Oaxaca Decomposition to Study Racial/Ethnic Disparities in Anti-Obesity Medication Use in the United States. Res Social Adm Pharm. 2013 Jan;9(1):13-26. PMID:22554395
42. Chatterjee S[^], Chen H, **Johnson ML**, Aparasu RR. Comparative risk of cerebrovascular adverse events in community-dwelling older adults using risperidone, olanzapine and quetiapine: a multiple propensity score-adjusted retrospective cohort study. Drugs Aging. 2012 Oct;29(10):807-17 PMID 2301858
43. Dwibedi N, Sansgiry SS, Frost CP, Johnson ML, Dasgupta A, Tipton JA, Jacob SM, Shippy AA. Bedside barcode technology: impact on medication administration tasks in an intensive care unit. Hospital pharmacy 2012 May; 47(5):360-366.
44. Chitnis A[^], Chen H, Aparasu R, **Johnson ML***. Comparative effectiveness of different angiotensin-converting enzyme inhibitors on the risk of hospitalization in patients with heart failure. J Comp Eff Res. 2012 Mar;1(2):195-206. PMID: 2437377
45. **Johnson ML**, Parikh N[^], Kunik ME, Schulz PE, Patel JG[^], Chen H, Aparasu RR, Morgan R. Antihypertensive drug use and the risk of dementia in patients with diabetes mellitus. Alzheimer's Dement. 2012 Sep;8(5):437-44. PMID 22521970
46. Hirsch EB, Cottreau JM, Chang KT, Caeiro JP, **Johnson ML**, Tam VH. A Model to Predict Mortality Following Pseudomonas aeruginosa Bacteremia. Diagn Microbiol Infect Dis. 2012 Jan;72(1):97-102. Epub 2011 Nov 3. PMID: 22056006 [PubMed - in process]
47. Chatterjee S[^], Chen H, **Johnson ML**, Aparasu RR. Risk of falls and fractures in older adults using atypical antipsychotics: a propensity score adjusted retrospective cohort study. Am J Geriatr Pharmacother. 2012 Apr;10(2):83-94. PMID: 22306198
48. Desai R[^], Ashton CM, Deswal A, Morgan R, Mehta HB[^], Chen H, Aparasu R, **Johnson ML***. Comparative effectiveness of individual angiotensin receptor blockers on risk of mortality patients with chronic heart failure. Pharmacoepi and Drug Safety. Pharmacoepidemiol Drug Saf. 2012 Mar;21(3):233-40. PMID: 21786364 [PubMed - as supplied by publisher]
49. Mehta S[^], Chen H, **Johnson ML**, Aparasu RR. Risk of serious cardiac events in older adults using antipsychotic agents. Am J Geriatr Pharmacother. 2011 Apr;9(2):120-32. doi: 10.1016/j.amjopharm.2011.03.004. PMID: 21565711 [PubMed - indexed for MEDLINE]
50. Chitnis A[^], Aparasu RR, Chen H, **Johnson ML***. Effect of Certain Angiotensin-Converting Enzyme Inhibitors on Mortality in Heart Failure: a Multiple Propensity Analysis. Res Social Adm Pharm. 2012 Mar-Apr; 8(2):145-56. PMID: 21511540 [PubMed - as supplied by publisher]
51. **Johnson ML**, Chitnis AS[^]. Comparative effectiveness research: guidelines for good practices are just the beginning. Expert Review of Pharmacoeconomics & Outcomes Research. 2011 Feb; 11(1):51-7. PMID: 21351858

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53. Mehta S[^], **Johnson ML**, Chen H, Aparasu RR. Risk of cerebrovascular adverse events in older adults using antipsychotic agents: a propensity-matched retrospective cohort study. *J Clin Psychiatry*. 2010 Jun;71(6):689-98. PubMed PMID: 20573328.
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60. **Johnson ML**, Petersen LA, Sundaravaradan R, Byrne MM, Hasche J, Osemene NI, Wei II, Morgan R. Medicare drug coverage and use of evidence-based medications in the Veterans Health Administration. *Ann Pharmacother*. 2009 Oct;43(10):1565-75. Epub 2009 Aug 25. PMID: 19706740
61. Berger M, Atkins D, Mamdani M, **Johnson ML***. Good research practices for comparative effectiveness research: Defining, reporting and interpreting non-randomized studies of treatment effects using secondary data sources: the ISPOR Good Research Practices for Retrospective Database Analysis Task Force Report – Part I. *Value Health*. 2009 Nov-Dec;12(8):1044-52. Epub 2009 Sep 29. PMID: 19793072
62. Cox E, Martin BC, Van Staa T, Garbe E, Siebert U, **Johnson ML***. Good research practices for comparative effectiveness research: approaches to mitigate bias and confounding in the design of non-randomized studies of treatment effects using secondary data sources: the ISPOR Good Research Practices for Retrospective Database Analysis Task Force Report--Part II. *Value Health*. 2009 Nov-Dec;12(8):1053-61. Epub 2009 Sep 10. PubMed PMID: 19744292.

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64. El-Serag HB, **Johnson ML**, Hachem C, Morgan RO. Statins are associated with a reduced risk of hepatocellular carcinoma in a large cohort of patients with diabetes. *Gastroenterology*. 2009 May;136(5):1601-8. Epub 2009 Jan 30. PMID: 19208359; PMCID: PMC2677134.
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68. Aparasu RR, Jano E[^], **Johnson ML**, Chen H. Hospitalization Risk Associated with Antipsychotic Use in the Community-dwelling Elderly. *Amer J Geriatr Pharmacother*, 6(4), Oct 2008, 198-204. PubMed PMID: 19028375.
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3. Ashton CM, Kuykendall DH, **Johnson ML**, Wray NP, Wu L, Carr MJ, and Bush GRW. "Explicit Process of Care Criteria for Patients Hospitalized for Congestive Heart Failure, Chronic Obstructive Pulmonary Disease, or Diabetes Mellitus. Houston Center for Quality of Care and Utilization Studies. Technical Report 94-02.
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6. **Johnson ML**. "Merging VA Discharge Records with California State Non-VA Discharge Records", *Field Program News*, Houston Center for Quality of Care and Utilization Studies, April 1993.

iv. **Other works communicating research results to scientific colleagues:**

Commentary: Measurement Issues in Large Database Studies, METRIC Newsletter (written piece overview of new cyber-seminar series)

Cyber seminar series – Measurement Issues in Large Database Studies (series of 6 internet-based mini-lectures, with voice-over narration)

Health Policy Brief: Pharmacotherapy and Outcomes in Veterans with Chronic Heart Failure, Rice University James A. Baker Institute of Public Policy and Baylor College of Medicine, Division of Health

Policy and Quality (policy brief to researchers and administrators)

II. Abstracts given since 2005:

1. Atreja N, Fleming ML, **Johnson ML**, Chen H, Zhivan N, Todd KH. “Impact of long-term opioid medication use on subsequent type 2 diabetes mellitus related hospitalizations”, poster presentation at ISPOR 22nd Annual International Meeting, Boston, MA, May 23rd, 2017.
2. Rane P, Guha S, Garey K, Chen H, **Johnson ML**, Aparasu RR. “Risk of Clostridium Difficile infection associated with proton pump inhibitor use among community dwelling adults with gastroesophageal reflux disease”, poster presentation at ISPOR 22nd Annual International Meeting, Boston, MA, May 23rd, 2017.
3. Rane P, Guha S, Garey K, Chen H, **Johnson ML**, Aparasu RR. “Risk of pneumonia associated with proton pump inhibitor use among community dwelling adults with gastroesophageal reflux disease”, poster presentation at ISPOR 22nd Annual International Meeting, Boston, MA, May 23rd, 2017.
4. Abughosh SM, Fleming ML, **Johnson ML**, Essien EJ, Esse TW, Serna O, Vadhariya A, Boklage S, Choi J. “Using group-based trajectory models to characterize statin medication adherence patterns among patients enrolled in a Medicare Advantage Plan (Map)”, poster presentation at ISPOR 22nd Annual International Meeting, Boston, MA, May 23rd, 2017.
5. Medhekar R, Fujimoto K, Aparasu RR, Bhatara V, **Johnson ML**, Alonzo J, Schwarzwald H, Chen H. “Psychotropic polypharmacy in the treatment of children and adolescents with mental disorders: prevalence and determinants”, poster presentation at ISPOR 22nd Annual International Meeting, Boston, MA, May 23rd, 2017.
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9. Sura SD, Bhansali A, Wang X, **Johnson ML**, Aparasu R. “Comparing hospital performance for in-hospital mortality in pneumonia patients using traditional logistic regression and multilevel modeling approach”, poster presentation at ISPOR 21st Annual International Meeting, Washington, DC, May 23rd, 2016.
10. Wang X, Wu I, Chen H, Bordnick P, **Johnson ML**, Essien EJ, Peters R, Abughosh S. “Comparison of suicide attempts/behaviors following smoking cessation treatments among schizophrenic

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14. Bali V, Aparasu R, **Johnson ML**, Chen H, Carnahan R. “Risk of mortality associated with use of anticholinergic medications in elderly nursing home residents with depression: a nested case-control study”, poster presentation at ISPOR 21st Annual International Meeting, Washington, DC, May 24th, 2016.
15. Bali V, Aparasu R, **Johnson ML**, Chen H, Carnahan R. “Comparative Safety of Paroxetine and Other SSRIs For the Risk of Hip Fracture in Elderly Nursing Home Residents with Depression”, poster presentation at ISPOR 21st Annual International Meeting, Washington, DC, May 24th, 2016.
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21. Sharma M, **Johnson ML**, Chen H, Aparasu R. “Comparative effectiveness of Angiotensin Converting Enzyme Inhibitors and Angiotensin II Receptor Blockers in heart failure”, poster presentation at ISPOR 20th Annual International Meeting, Philadelphia, PA, May 18th, 2015.

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25. Chatterjee S, Carnahan RM, Holmes HM, Chen H, **Johnson ML**, Aparasu RR. “Risk of falls and fractures associated with anticholinergic medication use in the elderly”, poster presentation at ISPOR 19th Annual International Meeting, Montreal, Canada, June 3rd, 2014.
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28. Hatfield MD, Kramer MA, **Johnson ML**. “Hematopoietic stem cell transplantation outcomes: logistic regression model development”, poster presentation at ISPOR 19th Annual International Meeting, Montreal, Canada, June 3rd, 2014.
29. Aparasu RR, Chatterjee S, Carnahan RM, Chen H, **Johnson ML**. “Anticholinergic medication use and risk of dementia among elderly nursing home residents with depression”, poster presentation at ISPOR 19th Annual International Meeting, Montreal, Canada, June 3rd, 2014.
30. Bali V, Aparasu RR, **Johnson ML**, Chen H, Carnahan RM. “Risk of dementia associated with the use of Paroxetine among the elderly nursing home patients with depression”, poster presentation at ISPOR 19th Annual International Meeting, Montreal, Canada, June 3rd, 2014.
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36. Kamble P; Aparasu RR; Chen H; **Johnson ML**; Abughosh S, Bhatara V. “Concurrent stimulant and atypical antipsychotic use among medicaid children and adolescents with attention deficit/hyperactivity disorder”, poster presentation at ISPOR 18th Annual International Meeting, New Orleans, LA, May 20th, 2013.
37. Kamble P; Aparasu RR; Chen H; **Johnson ML**; Abughosh S, Bhatara V. “Impact of atypical antipsychotic use on the persistence of the stimulant treatment in children and adolescents with attention deficit/hyperactivity disorder”, poster presentation at ISPOR 18th Annual International Meeting, New Orleans, LA, May 20th, 2013.
38. Wu IH; **Johnson ML**, Aparasu RR. “Propensity score analysis in MEPS 2003-2010: PCS and MCS scores after migraine treatments”, poster presentation at ISPOR 18th Annual International Meeting, New Orleans, LA, May 20th, 2013.
39. Yang M; Chen H; **Johnson ML**; Essien EJ; Peters RJ, Abughosh S. “Comparative effectiveness of smoking cessation medications among obese smokers”, poster presentation at ISPOR 18th Annual International Meeting, New Orleans, LA, May 20th, 2013.
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45. Chitnis AS, **Johnson ML**. “Differences in processes and outcomes of care in elderly hypertensive diabetic patients with and without dementia”, podium presentation at ISPOR 17th Annual International Meeting, Washington, DC, June 4, 2012.
46. Patel JG, **Johnson ML**, Aparasu RR. “Comparison of risk adjustment models in predicting disease specific and total health care expenditure for COPD”, poster presentation at ISPOR 17th Annual International Meeting, Washington, DC, June 4, 2012.
47. Bali V, **Johnson ML**, Aparasu RR. “Comparison of risk adjustment methods in predicting health care expenditure among children with attention deficit / hyperactivity disorder”, poster presentation at ISPOR 17th Annual International Meeting, Washington, DC, June 4, 2012
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49. Mehta HB, Aparasu RR, **Johnson ML**. “Comparison of Charlson, Elixhauser and HRQoL-CI risk adjustment measures in predicting health-related quality of life in heart failure patients”, poster presentation at ISPOR 17th Annual International Meeting, Washington, DC, June 5, 2012.
50. Shah J, Aparasu RR, Birtcher K, **Johnson ML**. “Prevalence and determinants of pharmacotherapy in myocardial infarction patients”, poster presentation at ISPOR 17th Annual International Meeting, Washington, DC, June 5, 2012.
51. Shah A, Chen H, Rajan S, **Johnson ML**. “Impact of long acting insulin agents on health-related quality of life (HRQoL), health care expenditures and utilization”, poster presentation at ISPOR 17th Annual International Meeting, Washington, DC, June 5, 2012.
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53. Gupta P, Aparasu RR, **Johnson ML**. “Do we need a gender-specific health related quality of life – comorbidity index?”, poster presentation at ISPOR 17th Annual International Meeting, Washington, DC, June 5, 2012.
54. Kadakia A, Rajan SS, Du X, **Johnson ML**. “Predictors of Methotrexate containing chemotherapy in women diagnosed with early stage breast cancer”, poster presentation at ISPOR 17th Annual International Meeting, Washington, DC, June 6, 2012.
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64. Chitnis A, Bhowmik D, Dwibedi N, Mehta S, Kamble P, **Johnson ML**. "Comparison of different comorbidity measures for predicting physical and mental health in dementia". ISPOR 2011, Baltimore, MD
65. Chitnis AS, **Johnson ML**. "Multiple propensity score analysis to estimate treatment effects in patients with heart failure". ISPOR European Congress, Madrid, Spain, Monday, 7 November 2011
66. Mehta HB, **Johnson ML**. "Rural - urban differences in fatalistic beliefs about cancer prevention". ISPOR European Congress, Madrid, Spain, Tuesday, 8 November 2011.
67. Abhishek Chitnis, Hua Chen, Rajender R. Aparasu, **Michael L. Johnson**. "Do angiotensin-converting enzyme inhibitors all provide the same outcome benefits in patients with heart failure?" DIA, Washington-DC June 2010
68. Abhishek Chitnis, Hua Chen, Rajender R. Aparasu, **Michael L. Johnson**. "Comparing binary propensity score analysis with multiple propensity score approach among patients with chronic heart failure." ISPOR, Atlanta May 2010
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72. Abhishek Chitnis, Jeetvan Patel, Hua Chen, Rajender R. Aparasu, **Michael L. Johnson**. “Effect of individual angiotensin-converting enzyme inhibitors on hospitalization in heart failure”. Kelsey, Houston Dec 2009
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74. **Johnson ML**, Desai R, Morgan R, Ashton CM, Deswal A, Chen H, Aparasu RR. “A marginal structural model to compare the effectiveness of individual angiotensin receptor blockers in veterans with chronic heart failure”. International Society for Pharmacoeconomic and Outcomes Research (ISPOR) 12th Annual European Congress to be held in Paris, France, October 24-27, 2009.
75. Desai R. **Johnson ML**. “Marginal structural models for comparing the effectiveness of multiple treatments in observational studies”. International Society for Pharmacoeconomic and Outcomes Research (ISPOR) 12th Annual European Congress to be held in Paris, France, October 24-27, 2009.
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82. Chen H, Obajuluwa T, **Johnson ML**, Aparasu RR. “The effect of Medicare part D on inappropriate psychotropic medication use in the elderly”. Poster presentation at the 14th Annual International Meeting, ISPOR, Orlando, FL May 16-20, 2009.
83. **Johnson ML**, Parikh N, Kunik M, Schulz P, Chen H, Aparasu RR, Yadav RK, Morgan R. “Anti-hypertensive drug use and risk of dementia in patients with diabetes”, Podium presentation at the 14th Annual International Meeting, ISPOR, Orlando, FL May 16-20, 2009.
84. Parikh N, Morgan R, Kunik M, Schulz P, Chen H, Aparasu RR, **Johnson ML**. “Risk factors for dementia in elderly patients with diabetes mellitus”. Poster presentation at the 14th Annual International Meeting, ISPOR, Orlando, FL May 16-20, 2009.
85. Parikh N, Shah D, Deswal A, Ashton CM, Agarwal SJ, Chen H, **Johnson ML**. “The association of aspirin use on risk of hospitalization in CHF patients taking ace inhibitors: a retrospective analysis of a national cohort of veterans”. Poster presentation at the 14th Annual International Meeting, ISPOR, Orlando, FL May 16-20, 2009.
86. Desai R, Chen H, Morgan R, **Johnson ML**. “Comparative effectiveness of individual ARBs in patients with CHF”. Poster presentation at the 14th Annual International Meeting, ISPOR, Orlando, FL May 16-20, 2009.
87. Chitnis A, Sharma M, Yadav RK, Chen H, Aparasu R, **Johnson ML**. “Comparative effectiveness of individual angiotensin-converting enzymes in patients with chronic heart failure”. Poster presentation at the 14th Annual International Meeting, ISPOR, Orlando, FL May 16-20, 2009.
88. Sharma M, Chitnis A, **Johnson ML**. “Comparative effectiveness of angiotensin II receptor blockers and angiotensin converting enzyme inhibitors in heart failure using propensity score analysis”. Poster presentation at the American Pharmacists Association, San Antonio, TX April 3-6, 2009.
89. Shah D, Agarwal SJ, **Johnson ML**. “Association between pharmacy treatment and outcomes in patients with chronic heart failure”. Poster presentation at the 9th Annual Kelsey Health Services and Outcomes Research Conference, Houston, TX December 3, 2008.
90. Desai R, Sharma M, **Johnson ML**. “Comparative effectiveness of individual ARBs in patients with CHF”. Poster presentation at the 9th Annual Kelsey Health Services and Outcomes Research Conference, Houston, TX December 3, 2008.
91. Yadav RK, Sharma M, **Johnson ML**. “Comparative effectiveness of individual angiotensin converting enzyme inhibitors in patients with CHF”. Poster presentation at the 9th Annual Kelsey Health Services and Outcomes Research Conference, Houston, TX December 3, 2008.
92. Sharma M, Chitnis A, **Johnson ML**. “Comparative effectiveness of angiotensin II receptor blockers and angiotensin converting enzyme inhibitors in heart failure using propensity score analysis”. Poster presentation at the 9th Annual Kelsey Health Services and Outcomes Research Conference, Houston, TX December 3, 2008.
93. Sharma M, Deswal A, Henderson L, Desai R, Chitnis A, Petersen N, Ashton C and **Johnson ML**. “Effectiveness of combined beta-blocker and ACEI or ARB therapy in chronic heart failure” podium presentation at the 13th Annual International Meeting, ISPOR, Toronto, Canada, May 3, 2008.

94. Shah DH, Agarwal S, **Johnson ML**. "Cost-Effectiveness studies in heart failure: An update of literature." Poster presentation at the 13th Annual International Meeting, ISPOR, Toronto, Canada, May 3, 2008.
95. Parikh NM, Singh H, Ashton C, Sharma M, Yadav R, Walder A, **Johnson ML**. "Patterns of diuretic use in multi-drug anti-hypertensive regimens in the post ALLHAT era" poster presentation at the 13th Annual International Meeting, ISPOR, Toronto, Canada, May 3, 2008.
96. Shah DH, Parikh NM, Kamble PS, Chen H, **Johnson ML**. "Can two A's result in a failure? Effect of aspirin on the risk of heart failure hospitalizations in CHF patients on ACE inhibitors." Podium presentation at the 13th Annual International Meeting, ISPOR, Toronto, Canada, May 3, 2008.
97. Parikh N, **Johnson ML**, Morgan R, Kunik M. Anti-hypertensive medication use and dementia in patients with diabetes." Poster presentation at the DIA 44th Annual Meeting in Boston, Massachusetts June 22-26, 2008.
98. **Johnson ML**, Asche C, Cummins G. "ISPOR Digest of International Databases," presented at the 10th Annual European Congress, ISPOR, Dublin, Ireland, October 22, 2007.
99. Calleo J, Stanley M, Greisinger AJ, Wehmanen O, Bell A, **Johnson ML**, Kunik M. "Health Service Utilization in Older Adults with Generalized Anxiety Disorder," presented at the 8th Annual health services and outcomes research conference, Kelsey Seybold, Houston, TX, November 2007.
100. Jano E, Chen H, **Johnson ML**, Aparasu RR. "Short-term healthcare impact of atypical anti-psychotic use in the elderly," presented at the 8th Annual health services and outcomes research conference, Kelsey Seybold, Houston, TX, November 2007.
101. **Johnson ML**, Henderson L, Ashton CM, Petersen N, Yu H, Shah D, Moffett M, Deswal A. "Evidence-based treatment for chronic heart failure: trends of medication use and outcomes in the VA," presented at the 8th Annual health services and outcomes research conference, Kelsey Seybold, Houston, TX, November 2007.
102. Shah D, Ashton CM, **Johnson ML**. "Cost-Effectiveness studies in heart failure: an update of the literature," presented at the 8th Annual health services and outcomes research conference, Kelsey Seybold, Houston, TX, November 2007.
103. **Johnson ML**, Parikh N, Singh H, Sharma M, Walker A, Khan M, Ashton CM. "Patterns of diuretic use in multi-drug anti-hypertensive regimens in the post-ALLHAT era," presented at the 8th Annual health services and outcomes research conference, Kelsey Seybold, Houston, TX, November 2007. First place, Effectiveness category.
104. Berrios-Rivera JP, **Johnson ML**, Huston DP, Suarez-Almazor ME. "Trends in biologics utilization in a large cohort of patients with rheumatoid arthritis, presented at the American College of Rheumatology Annual Meeting, November 2006.
105. Morgan R, Hasche J, Osemene N, Byrne M, Sundaravaradan R, Wei I, Petersen L, **Johnson ML**. "Use of Pharmacy services by Medicare-enrolled veterans," presented at the AcademyHealth Annual meeting, Seattle, WA, June 2006.
106. **Johnson ML**, Byrne M, Hasche J, Osemene N, Petersen L, Sundaravaradan R, Wei I,

- Morgan R. “Does Medicare-related pharmacy coverage affect VA pharmacy use?” presented at the AcademyHealth national meeting, Seattle, WA, June 2006.
107. Berrios-Rivera JP, **Johnson ML**, Huston DP, Suarez-Almazor ME. “Disparities in the use of biologic therapies for the treatment of RA”, to be presented at the European League Against Rheumatism Annual Congress (EULAR), Amsterdam, Netherlands, June 2006.
 108. Berrios-Rivera JP, **Johnson ML**, Huston DP, Suarez-Almazor ME. “Trends in biologics utilization in a large cohort of RA patients”, to be presented at the European League Against Rheumatism Annual Congress (EULAR), Amsterdam, Netherlands, June 2006.
 109. Bush RL, Hedayati N, **Johnson ML**, Henderson WG, Khuri SF, Lin PH, Lumsden AB. “Endovascular aortic aneurysm repair should be performed in high-risk patients: results from the VA National Surgical Quality Improvement Program”, plenary presentation at the 60th annual meeting for Society of Vascular Surgery, Philadelphia, Pennsylvania, June 1-4, 2006.
 110. **Johnson ML**, Henderson L, Yu H, Campbell J, Moffett M, Petersen N, Espadas D, Deswal A. “Pharmacotherapy and Outcomes Among Veterans with Chronic Heart Failure (2000-2002).” Presented at the 8th Annual European Congress, Florence Italy, November 2005.
 111. Morgan R, Hasche J, Osemene N, Byrne M, Sundaravaradan R, Wei I, Petersen L, **Johnson ML**. “Use of Pharmacy services by Medicare-enrolled veterans.” Presented at the 8th Annual European Congress, Florence Italy, November 2005.
 112. **Johnson ML**, Byrne M, Hasche J, Osemene N, Petersen L, Sundaravaradan R, Wei I, Morgan R. “Identifying Medicare-enrolled veterans with multiple chronic conditions – using Medicare or VA or both?” Presented at the AcademyHealth national meeting, Boston, Massachusetts, June 26, 2005.
 113. Morgan R, Hasche J, Osemene N, Byrne M, Sundaravaradan R, Wei I, Petersen L, **Johnson ML**. “Use of Pharmacy services by Medicare-enrolled veterans.” Presented at the AcademyHealth national meeting, Boston, Massachusetts, June 26, 2005.
 114. **Johnson ML**, Henderson L, Petersen N, Espadas D, Yu H, Campbell J, Moffett M, Deswal A. “Trends in Pharmacy Use Among Veterans with Chronic Heart Failure (1999-2003)” Presented at the 10th annual ISPOR meeting, Washington, DC, May 17, 2005 and at 23rd Annual VA Health Services Research Development Meeting, Baltimore, Maryland, February 17, 2005.
 115. Morgan R, Hasche J, Osemene N, Byrne M, Sundaravaradan R, Wei I, Petersen L, **Johnson ML**. “Use of Pharmacy services by Medicare-enrolled veterans.” Presented at the Academy Health national meeting, Boston, Massachusetts, June 26, 2005.
 116. **Johnson ML**, Henderson L, Petersen N, Espadas D, Yu H, Campbell J, Moffett M, Deswal A. “Trends in Pharmacy Use Among Veterans with Chronic Heart Failure (1999-2003)” Presented at the 10th annual ISPOR meeting, Washington, DC, May 17, 2005 and at 23rd Annual VA Health Services Research Development Meeting, Baltimore, Maryland, February 17, 2005.
 117. Hasche J, Yu, H, Moffett M, Petersen N, Henderson L, Espadas D, Deswal A, **Johnson ML**. “Patterns in Inpatient, Ambulatory and Pharmacy Costs in Veterans with Chronic Heart Failure” Oral presentation at the 23rd Annual VA Health Services Research Development meeting, Baltimore, Maryland, February 17, 2005.

118. **Johnson ML**, Abraham N, Richardson P, Hartman C, El-Serag. “A New Pharmacy-based Measure of Comorbidity for Use in Outpatient Populations” Oral presentation at the 23rd Annual VA Health Services Research Development meeting, Washington, DC, February 18, 2005.
119. **Johnson ML**, Henderson L, Campbell J, Moffett M, Petersen N, Yu H, Espadas D, Deswal A. “Trends in Pharmacy Use Among Veterans with Chronic Heart Failure (1999-2002)” Oral presentation at the 23rd Annual VA Health Services Research Development meeting, Washington, DC, March 2005.

I. SERVICE

I. UNIVERSITY OF HOUSTON

Current Active

Chair, Graduate Education Committee, Department of Pharmaceutical Health Outcomes and Policy, Oct 2018-present.

Member, Executive Council Leadership, University of Houston, College of Pharmacy, Oct 2018-present.

Member, Institutional Review Board 3, University of Houston, Sep 2016-present. Oversees all student research at University of Houston.

Member, Faculty Development Committee, College of Pharmacy, Fall 2016- present.

Member, PharmD Assessment Committee, College of Pharmacy, Sep 2015-present.

Past Completed

Chair, Finance Committee Standard, AACP Self-Study, College of Pharmacy, Fall 2015-2017.

Member, Graduate Education Committee, Department of Pharmaceutical Health Outcomes and Policy, Sep 2014-2018.

Chair, Promotion and Tenure Committee, College of Pharmacy, June 2014 – May 2015.

Chair, Mid-Year Tenure Review Committee, Susan Abughosh, PhD, University of Houston, 2014-2015.

Chair, Mid-Year Tenure Review Committee, Marc Fleming PhD, University of Houston, 2015.

Chair, PhD Admission and Assessment Committee, College of Pharmacy, Department of Pharmaceutical Health Outcomes and Policy, 2010-2014.

Member, Graduate and Professional Studies Council, University of Houston, 2010-2013.

Member, Budget Advisory Committee, College of Pharmacy, 2010.

Member, Finance Committee Standard, AACCP Self-Study, College of Pharmacy, Fall 2009-2010.

Member, Health Professions Advisory Committee, University of Houston, Fall 2009-2012.

Member, Post-Tenure Review Committee, College of Pharmacy, Fall 2009-2012.

Member, Faculty Advisory Council, College of Pharmacy, Fall 2009-2014.

Member, Admission Committee, College of Pharmacy, Department of Clinical Sciences and Administration, 2009-2010.

Member, Assessment Committee, College of Pharmacy, Fall 2008-2010.

Chair, Search Committee for New Faculty, College of Pharmacy, Department of Clinical Sciences and Administration, Spring 2008 – December 2009.

Hired Suja Rajan, PhD, March 2009, Assistant Professor.

Hired Amalia Issa, PhD, June 2009, Associate Professor.

Hired Susan Abughosh, PhD, December 2009, Assistant Professor.

Member, Faculty Grievance Committee, College of Pharmacy, Fall 2007-2011.

Member, Awards Subcommittee, Faculty Advisory Council, College of Pharmacy, Spring 2007.

Member, PhD Program Development Committee, College of Pharmacy, Department of Clinical Sciences and Administration, May 2006-Sep 2009.

BAYLOR COLLEGE OF MEDICINE

Member, Search Committee for Statisticians, October 2003–December 2005.

Selected, hired: Myrna Khan, PhD, November 2004.

Chair, Search Committee for Psychometricians, July 2003–December 2003.

Selected, hired: Michael Kallen, PhD, January 2004

Selected, hired: David Kuykendall, PhD (Director of METRIC), March 2004.

Chair, Search Committee for Economist, Houston Center for Quality of Care and Utilization Studies, July 2001–June 2003.

Selected, hired: Mark Moffett, PhD, July 2003.

Member, Research Excellence Initiative Performance Evaluation Team, Houston Center for Quality of Care and Utilization Studies, July 2001–Dec 2002.

Chair, Team Leader Advisory Council, Houston Center for Quality of Care and Utilization Studies, December 2000–2002.

Member, Planning Committee for Robert Wood Johnson Clinical Scholars Training Program

application, 2002.

Chair, Middle Management Committee, Houston Center for Quality of Care and Utilization Studies, October 1999–May 2001

Member, Strategic Planning Committee, Houston Center for Quality of Care and Utilization Studies, Summer 1999-2003.

MICHAEL E. DEBAKEY VA MEDICAL CENTER

Member, Pharmacy and Therapeutics Committee, July 2003–2006.

Member, Pharmacy and Therapeutics sub-committee for Costs, October 2001–June 2003.

Lead, Revised Medical Care Group for Target Allowance FY04, Houston VAMC, 2003. Development of new method to group Houston VAMC for comparison to similar hospitals on performance measures to allocate annual budget.

Member, National Committee for Quality Assurance IRB site visit workgroup, Houston VAMC, 2002.

Member, Executive Leadership Council- Houston VAMC, 2001–2002.

Member, Strategic Planning Implementation Team, Research Service Line, Houston VAMC, 2000.

Contracting Officer's Technical Representative, Houston VA Medical Center, 2000–2001: Lease, between Texas Medical Center and the United States of America, for 25,000 sq. ft. general office space at 6803 Almeda. 5 Years, \$375,000 per year.

J. OTHER INFORMATION NOT GIVEN ABOVE:

Volunteer, Hermann Park Conservancy, 2012-present.

Member, St. Stephens Episcopal Church, 1992-2012.

Member, Palmer Memorial Episcopal Church, 2012-present.

KUHF Contributor 1992-present.

Interests: Sports and outdoors, arts and leisure, music, creative writing