

CURRICULUM VITAE
Dan R. Berlowitz, M.D., M.P.H

Personal Data

Home Address: 121 Old County Rd.
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Work Address: Edith Nourse Rogers Memorial Veterans Hospital
200 Springs Road
Bedford, MA 01730

Date of Birth: January 15, 1957

Citizenship: United States

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Education

1974-1978 B.A. (Biophysics)
The Johns Hopkins University
Baltimore, MD

1978-1982 M.D.
Albert Einstein College of Medicine
Bronx, NY

1985-1987 M.P.H. (Epidemiology/Biostatistics)
Boston University School of Public Health
Boston, MA

Post-Doctoral Training

1982-1985 Resident, Internal Medicine
University Hospital

1985-1987

Boston, MA

Fellow, General Internal Medicine

Mentors: Gene Stollerman, MD
Mark Moskowitz, MD

University Hospital
Boston, MA

Academic Appointments

Bedford VA/VISN 1 Appointments

2016-2020	Chief of Staff
2015-present	Director Emeritus; Center for Healthcare Organization and Implementation Research
2013-2015	Co-Director; Center for Healthcare Organization and Implementation Research
2012-2016	Acting Chief of Staff
2010-2012	Member; VISN 1 CDA Review Committee
2010	Member; Search Committee for Chief of Mental Health
2009-2012	Chair; P&T Committee
2009-2020	Member; R&D Committee
2004-2013	Director, Center for Health Quality, Outcomes and Economic Research
2004	Acting Director, Center for Health Quality, Outcomes, and Economic Research
2002-2003	Acting ACOS for Research and Development
2000-2001	Member, VA New England Ambulatory Care Research and Education Committee
1998	Chairman, Search Committee for Chief of Dental Service

1996-1997	Chairman, Research and Development Committee
1995-2004	Associate Director, Center for Health Quality, Outcomes, and Economic Research Director, Health Quality Section
1994-1996	Member, Research and Development Committee
1992-1995	HSR&D Research Associate Career Development Awardee
1992-1994	Chairman, Long Term Care QA Committee
1991-1992	Assistant Chief of Medicine for Extended Care
1991-1994	Member, Geriatrics and Extended Care Board
1991-1992 1988-1989	Co-Chairman, Nursing Home Screening Committee
1990-1992	Member, Professional Standards Board
1990-1993	Member, Human Studies Committee
1989-1992	Member, Ethics Committee
1987-1989	Member, Quality Assurance Board

University Appointments

2020	Professor and Chair Department of Public Health University of Massachusetts-Lowell
2014	Search Committee for Chair Dept of Psychiatry
2008-2012	Dept. Health Policy & Management Strategic Planning Group
2008-2017	Dept. Health Policy & Management Doctoral Committee
2006-present	Professor Boston University School of Medicine

2004-present	Professor Boston University School of Public Health
2003-2005	Steering Committee Aging Research Consortium Boston University
2002-2006	Associate Chair for Research Health Services Department Boston University School of Public Health
2002-2005	Doctoral Implementation Committee Health Services Department Boston University School of Public Health
1997-1998	Curriculum Review Committee Boston University School of Public Health
1996-2006	Associate Professor Boston University School of Medicine
1988-1996	Assistant Professor Boston University School of Medicine

Educational Appointments

2006-2013	Director VA Fellowship in HSR&D
1998-2012	Director VA Preventive Medicine Residency
1992-2006	Co-director VA Ambulatory Care Fellowship Program
1992-2013	Member, Executive Committee Boston University General Internal Medicine Fellowship

Clinical Appointments

1998-present	Attending Physician Boston VA Medical Center
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1988-1995	Attending Physician Boston University Medical Center
1987-present	Attending Physician Edith Nourse Rogers Memorial Veterans Hospital
1989-1993 1985-1987	Attending Physician Jewish Memorial Hospital, Boston

Professional Certificates

Board Certified, Internal Medicine, 1985

Certificate of Advanced Qualification, Geriatrics, 1988; Recertified 2000. 2012

Professional Societies

Member, American Society of Hypertension

Member, Society of General Internal Medicine

Member, American College of Physicians

Member, American Geriatrics Society

Member, AcademyHealth

Editorial Boards/Guest Editors

Advances in Skin and Wound Care 2018- present

Section Editor/BMC Health Services 2010-2013

Journal of the American Geriatrics Society 1999-present

BMC Health Services 2005-2010

Medical Care Research and Review
Supplement on Improving quality of care:

Emerging evidence on pay-for-performance	2006
<u>Honors and Awards</u>	
Under Secretary's Award for Outstanding Achievement in Health Services Research	2015
HSR&D Career Development Award	1992
<u>National/International Panels</u>	
VA/DOD Hypertension Clinical Practice Guideline Committee	2018-present
NPUAP/EPUAP/PPPIA Guideline Governance Committee	2017-present
VA HSR&D Scientific Merit Review Board; "Chair of Chairs"	2016-present
VA/DOD Hypertension Clinical Practice Guideline Committee	2014-2015
Steering Committee; Tampa/Gainesville VA COIN	2014-2018
Steering Committee; Providence VA COIN	2014-Present
Chair; VA RR&D COE Review panel	2012-2013
Chair; HRQol/Economics Subcommittee NHLBI sponsored SPRINT study	2010-present
Am. Society of Hypertension Annual Meeting Planning Comm.	2009
National Quality Forum; Steering Committee on Developing Framework for Measuring Quality for Prevention and Management of Pressure Ulcers	2009
Steering Committee; Tampa VA REAP/COE	2008-2013
Steering Committee; Gainesville VA REAP	2008-2013
AHRQ Quality Indicators Risk Adjustment Workgroup	2006-2007
Quality Performance Measurement Committee American Geriatrics Society	2005-2012
Steering Committee; Providence VA TREP/REAP	2004-2012

VA HSR&D Field Based Science Advisory Board	2004-2006
Steering Committee; Atlanta VA TREP	2003-2008
Research Committee; American Geriatrics Society	2003-present
Steering Committee; East Orange VA HSR&D REAP	2003- 2012
VA Research Blue Ribbon Panel on Quality Measurement	2003
VA HSR&D Scientific Merit Review Board Chair; Aging/Long-term care review panel	2003-2015 2010-2015
VA Hypertension Field-Based Advisory Committee	2003-2008
Steering Committee; Tampa VA HSR&D REAP	2001-2005
VA Rehabilitation Outcomes Research Center review panel	2001
VA HSR&D Nursing Research Initiative grants review panel	1999-2003
AHCPR Translating Research Into Practice grants review panel	1999
National Pressure Ulcer Advisory Panel (serving terms as secretary, vice-president, and president)	1999-2005
Data Monitoring Board; VA Cooperative Study #428	1998-2004
VA Rehabilitation R&D grants review panel	1998
VA HSR&D Small grants review panel	1992

Teaching Experience

2002-2016	Course Director; Evaluating Healthcare Quality Boston University School of Public Health
2000-2004	Site coordinator; 3 rd year medicine rotation Bedford VA
1998-2012	Teaching attending (1 month/year) VA Boston Healthcare System

1996-1997	Preceptor; Geriatrics Evaluation and Management Clinic Boston University Geriatrics Fellowship/ Bedford VA
1995-2012	Preceptor in ambulatory care; 3rd year medical students Bedford VA Hospital
1993-present	Lecture on quality assessment Course on Health Services Research Methods Boston University School of Public Health
1992-1999	Course co-director; Seminar on clinical teaching (bimonthly) Boston University General Internal Medicine Fellowship
1988-1998	Physical diagnosis for 2nd year medical students Bedford VA Hospital
1988-1994	Teaching attending (1-2 months/year) Boston University Medical Center

Mentoring Career Development Awardees

1997-2003	Alfredo Selim MD 2° Mentor; VA HSR&D CDA
1999-2002	Susan Frayne, MD 1° Mentor; VA HSR&D CDA
2002-2005	Mary Jo Pugh, RN, PhD 1° Mentor; VA HSR&D MREP
2008-2013	Adam Rose, MD 1° Mentor; VA HSR&D CDA
2008-2013	Amal Trivedi, MD 2° Mentor; VA HSR&D CDA
2009-2014	Christine Hartmann, PhD 1° Mentor; VA HSR&D CDA

2011-2013	Alok Kapoor, MD 1° Mentor; NIA RO3/GEMSTAR Award
2014-present	Varsha Vimalananda, MD 1° Mentor; VISN 1 CDA; VA HSR&D CDA
2016-present	Guneet Jasuja, PhD 2° Mentor; VA HSR&D CDA

Publications

Book Chapters and Monographs

1. Berlowitz DR, Wilking SVB. Pressure ulcers in the nursing home. In Improving Care in the Nursing Home: Comprehensive Reviews of Clinical Research; ed. LZ Rubenstein and D Wieland; Sage Publications; 1993: Newbury Park, CA.
2. Wilking SVB and Berlowitz DR. A 78 year old woman with a pressure ulcer and knee pain. In Internal Medicine Pearls, 2nd edition; ed. JE Heffner and SA Sahn; Hanley & Belfus; 2001: Philadelphia, PA.
3. Berlowitz DR. Understanding differences in pressure ulcer rates. In Pressure Ulcers in America: Prevalence, Incidence, and Implications for the Future; ed. J Cuddigan, EA Ayello, and C Sussman; National Pressure Ulcer Advisory Panel; 2001: Reston, VA.
4. Berlowitz DR. Long tem care/Nursing homes/skilled nursing facilities: Incidence and prevalence data. In Pressure Ulcers in America: Prevalence, Incidence, and Implications for the Future; ed. J Cuddigan, EA Ayello, and C Sussman; National Pressure Ulcer Advisory Panel; 2001: Reston, VA.
5. Berlowitz DR, Cuddigan J, Ayello EA. Summary and Recommendations. In Pressure Ulcers in America: Prevalence, Incidence, and Implications for the Future; ed. J Cuddigan, EA Ayello, and C Sussman; National Pressure Ulcer Advisory Panel; 2001: Reston, VA.
6. Berlowitz DR. Improving VA's Quality of Care. In Improvements in the Management of Hypertension in 2000 and Beyond Symposium: Challenges and Opportunities; ed. H. Mitchell Perry; Department of Veterans Affairs; 2001.

7. Berlowitz DR, Rosen AK. Risk adjustment for studying long-term care. In Risk Adjustment for Measuring Healthcare Outcomes; 3rd edition; ed. L. Iezzoni; Health Administration Press; 2003.
8. Berlowitz DR, Mor V. Quality measurement in long-term care. White paper submitted for the VA State-of-the-Art Conference on Long-Term Care. 2004.
9. Berlowitz DR, Pugh MJV. Pharmacoepidemiology in community-dwelling elderly taking anti-epileptic drugs. In The Neurobiology of Epilepsy and Aging. ed. RE Ramsay, JC Cloyd, KM Kelly, IE Leppik, and E Perucca. Academic Press; 2007. Reprinted in International Review of Neurobiology 2007; 81: 153-163.
10. Pugh MJV, Berlowitz DR, Kazis L. The impact of epilepsy on older veterans. In The Neurobiology of Epilepsy and Aging. ed. RE Ramsay, JC Cloyd, KM Kelly, IE Leppik, and E Perucca. Academic Press; 2007. Reprinted in International Review of Neurobiology 2007; 81: 221-233.
11. Lyder CH, Berlowitz DR. Regulation and Wound Care. In Wound Care Essentials; 2nd Edition; ed. S. Baranoski and E. Ayello. Lippincott, Williams and Wilkins. 2007.
12. Berlowitz DR, Pugh MJ, Gerardo M. Special aspects of research in aging. In Clinical Neurology of Aging; 3rd edition; ed. J. Knoefel and M. Albert. Oxford University Press. 2011.
13. Berlowitz DR, Intrator O. Risk adjustment for studying long-term care. In Risk Adjustment for Measuring Healthcare Outcomes; 4th edition; ed. L. Iezzoni; Health Administration Press; 2013.
14. Berlowitz DR, Israel-Richardson D, Lyder CH. Regulation and Wound Care. In Wound Care Essentials; 3rd Edition; ed. S. Baranoski and E. Ayello. Lippincott, Williams and Wilkins. 2011.
15. Berlowitz DR. Incidence and Prevalence of Pressure Ulcers. In Pressure Ulcers in the Aging Population: A Guide for Clinicians, ed. G. Compton and DR. Thomas. Springer. 2014.
16. Berlowitz DR. Prevalence, incidence and facility acquired rates. In Pressure Ulcers: Prevalence, Incidence, and Implications for the Future; ed. B. Pieper with the National Pressure Ulcer Advisory Panel; NPUAP; 2013.

17. The Diagnosis and Management of Hypertension Working Group. VA/DOD Clinical Practice Guideline for the Diagnosis and Management of Hypertension in Primary Care Settings. Department of Veteran Affairs; 2014.
18. Berlowitz DR, Nusgart M, Ravitz K. Reimbursement Regulations Impacting Wound Care. In Wound Care Essentials; 4th Edition; ed. S. Baranoski and E. Ayello. Lippincott, Williams and Wilkins. 2015.
19. Oparil S, Acelajado MC, Bakris GL, Berlowitz DR, Cifkova R, Dominiczak AF, Grassi G, Jordan J, Poulter NR, Rodgers A, Whelton PK. Hypertension. *Nature Reviews/Disease Primers* 2018; 4.
20. Kottner J, Cuddigan J, Carville K, Balzer K, Berlowitz D, Chang YY, Law S, Litchford M, Mitchell P, Moore Z, Pittman J, Sigauco-Roussel D for the European Pressure Ulcer Advisory Panel, the National Pressure Injury Advisory Panel, and the Pan Pacific Pressure Injury Alliance. Prevention and Treatment of Pressure Ulcers/Injuries: Clinical Practice Guideline. Emily Haesler (Ed.), EPUAP/NPIAP/PPPIA 2019.

Web-Based Chapters and Monographs

1. Berlowitz DR. Epidemiology, pathogenesis and risk assessment of pressure ulcers. In UpToDate; ed. BD Rose, MD Aronson, RH Fletcher, SW Fletcher; UpToDate, Inc; Wellesley, MA.
2. Berlowitz DR. Prevention of pressure ulcers. In UpToDate; ed. BD Rose, MD Aronson, RH Fletcher, SW Fletcher; UpToDate, Inc; Wellesley, MA.
3. Berlowitz DR. Clinical staging and management of pressure ulcers. In UpToDate; ed. BD Rose, MD Aronson, RH Fletcher, SW Fletcher; UpToDate, Inc; Wellesley, MA.
4. Tleyjeh I, Berlowitz D, Baddour LM. Infectious complications of pressure ulcers. In UpToDate; ed. BD Rose, MD Aronson, RH Fletcher, SW Fletcher; UpToDate, Inc; Wellesley, MA.
5. Berlowitz D, VanDeusen Lukas C, Parker V, Neiderhauser A, Logan C. Preventing pressure ulcers in hospitals: A toolkit for improving quality of care. Agency for Healthcare Quality and Research; 2011. Available at: <http://www.ahrq.gov/research/ltc/pressureulcertoolkit/>
6. Berlowitz D. Pressure Ulcers. In BMJ Point of Care and Best Practice. The BMJ Group; 2011-present.
7. Ganz DA, Huang C, Saliba D, Shier V, Berlowitz D, Van Deusen-Lukas C, Pelczarski K, Schoelles K, Wallace LC, Neumann P. Preventing falls in hospitals: A toolkit for

improving quality of care. Agency for Healthcare Quality and Research Publication # 13-0015-EF; 201. Available at: <http://www.ahrq.gov/research/ltc/fallpxtoolkit/>

Published Articles

See My NCBI Bibliography:

http://www.ncbi.nlm.nih.gov/sites/myncbi/1pl_1ZIIKUE5m/bibliography/47748807/public/?sort=date&direction=ascending

1. Berlowitz DR, Ghalili K, Moskowitz MA. The use of follow-up chest roentgenograms among hospitalized patients. *Arch Int Med* 1989; 149: 821-5.
2. Berlowitz DR, Wilking SVB. Risk factors for pressure sores: a comparison of cross-sectional and cohort derived data. *J Am Geriatr Soc* 1989; 37: 1043-50.
3. Berlowitz DR, Wilking SVB. The short term outcome of pressure sores. *J Am Geriatr Soc* 1990; 38: 748-52.
4. Berlowitz DR, Wilking SVB, Moskowitz MA. Do-not-resuscitate orders at a chronic care hospital. *J Am Geriatr Soc* 1991; 39: 472-6.
5. Kim DE, Berlowitz DR. The limited value of routine laboratory assessments in severely impaired nursing home residents. *JAMA* 1994; 272: 1447-52.
6. Berlowitz DR. Update on pressure ulcers: implications for prevention and management. *Facts and Research in Gerontology* 1995; Springer Publishing Co: New York, NY; 233-46.
7. Berlowitz DR, Rosen A, Moskowitz MA. Ambulatory care casemix measures. *J Gen Intern Med* 1995; 10: 162-170 .
8. Berlowitz DR, Du W, Kazis L, Lewis S. Health-related quality of life of nursing home residents: Differences in patient and provider perceptions. *J Am Geriatr Soc* 1995; 43: 799-802.
9. Brandeis GH, Berlowitz DR, Hossain M, Morris JN. Pressure ulcers: the Minimum Data Set and the Resident Assessment Protocol. *Adv Wound Care* 1995; 8: 18-25.
10. Berlowitz DR, Brandeis GH, Brand HK, Halpern J, Ash AS, Moskowitz MA. Evaluating pressure ulcer occurrence in long-term care: pitfalls in interpreting administrative data. *J Clin Epidemiol* 1996; 49: 289-92.

11. Berlowitz DR, Ash AS, Brandeis GH, Brand HK, Halpern J, Moskowitz MA. Rating long-term care facilities on pressure ulcer development: importance of case-mix adjustment. *Ann Intern Med* 1996; 124: 557-563.
12. Berlowitz DR, Du W, Kazis L, Lewis S, Hickey E. Pain and its assessment in the nursing home. *Facts and Research in Gerontology (Home Care Supplement)*; 1996.
13. Du W, Ash A, Berlowitz DR, Schwartz JS, Moskowitz MA. Variations in the management of acute myocardial infarction: Importance of clinical measures of disease severity. *J Gen Int Med* 1996; 11: 334-41.
14. Berlowitz DR, Brandeis GH, Anderson J, Brand HK. Predictors of pressure ulcer healing in long-term care. *J Am Geriatr Soc* 1997; 45: 30-34.
15. Berlowitz DR, Brandeis GH, Anderson J, Du W, Brand HK. Effect of pressure ulcers on the survival of long-term care residents. *J Gerontol: Med Sci* 1997; 52A: M106-110.
16. Berlowitz DR, Ash AS, Hickey EC, Friedman RH, Kader B, Moskowitz MA. Outcomes of hypertension care: simple measures are not that simple. *Med Care* 1997; 35: 742-6..
17. Berlowitz DR, Brandeis GH, Moskowitz MA. Using administrative databases to evaluate long-term care. *J Am Geriatr Soc* 1997; 45: 618-23.
18. Berlowitz DR, Halpern J. Evaluating and improving pressure ulcer care: the VA experience using administrative data. *Joint Commission Journal on Quality Improvement* 1997; 23: 424-433.
19. Brandeis GH, Berlowitz DR, Coughlin N. Mortality associated with an influenza outbreak on a dementia care unit. *Alzheimers Disease and Related Disorders* 1998; 12: 140-145.
20. Berlowitz DR, Ash AS, Friedman R, Hickey E, Kader B, Moskowitz MA. Problems in assessing diabetes control in an ambulatory setting. *Am J Med Quality* 1998; 13: 89-93.
21. Berlowitz DR, Ash AS, Hickey EC, Friedman RH, Kader B, Moskowitz MA. Profiling outcomes of ambulatory care; case-mix affects perceived performance. *Med Care* 1998; 36: 928-33.
22. Berlowitz DR, Anderson J, Ash AS, Brandeis G, Brand HK, Moskowitz MA. Reducing random variation in reported rates of pressure ulcer development. *Med Care* 1998; 36: 818-25.

23. Berlowitz DR, Ash AS, Hickey EC, Friedman RH, Glickman M, Kader B, Moskowitz MA. Inadequate management of blood pressure in a hypertensive population. *N Engl J Med* 1998; 339: 1957-63.
24. Rosen AK, Berlowitz DR, Anderson JJ, Brand HK, Ash AS, Moskowitz MA. Functional status outcomes for assessment of quality in long-term care. *Int J Qual Health Care* 1999; 11: 37-64.
25. Berlowitz DR, Anderson JJ, Brandeis GH, Lehner LA, Brand HK, Ash AS, Moskowitz, MA. Pressure ulcer development in the VA: characteristics of nursing homes providing best care. *Am J Med Quality* 1999; 14: 39-44.
26. Berlowitz DR, Brand HK, Perkins C. Geriatric syndromes as outcome measures of hospital care: Can administrative data be used? *J Am Geriatr Soc* 1999;47:692-696.
27. Berlowitz DR, Bezerra HQ, Brandeis GH, Kader B, Anderson JJ. Are we improving the quality of nursing home care: the case of pressure ulcers. *J Am Geriatr Soc* 2000; 48:59-62.
28. Rosen AK, Wu J, Chang B, Berlowitz DR, Ash AS, Moskowitz MA. Does diagnostic information contribute to predicting functional decline in long-term care? *Med Care* 2000; 38: 647-59.
29. Wang MS, Rosen AK, Kazis L, Anderson J, Berlowitz D. Correlation of diagnosis-based and patient-centered risk-adjustment measures. *Health Services & Outcomes Research Methodology* 2000; 1: 351-365.
30. Berlowitz DR, Young GJ, Brandeis GH, Kader B, Anderson JJ. Health care reorganization and quality of care: unintended effects on pressure ulcer prevention. *Med Care* 2001; 39: 138-46.
31. Rosen A, Wu J, Chang B, Berlowitz D, Rakovski C, Ash A, Moskowitz M. Risk adjustment for measuring health outcomes: An application in VA long-term care. *Am J Med Quality* 2001; 16: 118-127.
32. Berlowitz DR, Young GJ, Hickey EC, Joseph J, Anderson JJ, Ash AS, Moskowitz MA. Clinical practice guidelines in the nursing home. *Am J Med Qual* 2001; 16; 189-195.
33. Rosen AK, Loveland S, Anderson JJ, Rothendler JA, Hankin CS, Rakovski CC, Moskowitz MA, Berlowitz DR. Evaluating diagnosis-based case-mix measures: how well do they apply to the VA population. *Med Care* 2001; 39: 692-704.

34. Berlowitz DR, Brandeis GH, Morris JN, Ash AS, Anderson JJ, Kader B, Moskowitz MA. Deriving a risk-adjustment model for pressure ulcer development using the Minimum Data Set. *J Am Geriatr Soc* 2001; 49: 866-871.
35. Berlowitz DR, Brandeis GH, Anderson JJ, Ash AS, Kader B, Morris JN, Moskowitz MA. Evaluation of a risk-adjustment model for pressure ulcer development using the Minimum Data Set. *J Am Geriatr Soc* 2001; 49: 872-876.
36. Brandeis GH, Berlowitz DR, Katz P. Are pressure ulcers preventable? A survey of experts. *Adv Skin Wound Care* 2001; 14: 244-248.
37. Cuddigan J, Berlowitz DR, Ayello EA for the National Pressure Ulcer Advisory Panel. Pressure ulcers in America: prevalence, incidence, and implications for the future. An executive summary of the National Pressure Ulcer Advisory Panel Monograph. *Adv Skin Wound Care* 2001; 14: 208-15.
38. Reker D, Rosen AK, Hoenig H, Berlowitz DR, Laughlin J, Anderson L, Marshall CR, Rittman M. The hazards of stroke case selection using administrative data. *Med Care* 2002; 40: 96-104.
39. Oliveria SA, Lapuerta P, McCarthy B, L'Italien G, Berlowitz DR, Asch S. Physician barriers to the effective management of uncontrolled hypertension. *Arch Intern Med* 2002; 162: 413-420.
40. Selim AJ, Berlowitz DR, Fincke G, Rosen AK, Ren XS, Christiansen CL, Cong Z, Lee A, Kazis L. Risk-adjusted mortality rates as a potential outcome indicator for outpatient quality assessments. *Med Care* 2002; 40: 237-245.
41. Berlowitz DR, Christiansen CL, Brandeis GH, Ash AS, Kader B, Morris JN, Moskowitz MA. Profiling nursing homes using Bayesian hierarchical modeling. *J Am Geriatr Soc* 2002; 50: 1126-1130.
42. Rosen AK, Loveland SA, Anderson JJ, Hankin CS, Breckenridge JN, Berlowitz DR. Diagnostic Cost Groups (DCGs) and concurrent utilization among patients with substance abuse disorders. *Health Serv Res* 2002; 37: 1079-1103.
43. Rakovski CC, Rosen AK, Loveland SA, Anderson JJ, Berlowitz DR, Ash AS. Evaluation of diagnosis-based risk adjustment measures among specific subgroups: can existing measures be improved by simple modifications? *Health Services & Outcomes Research Methodology* 2002; 3: 57-73.

44. Rosen AK, Rakovski CC, Loveland SA, Anderson JJ, Berlowitz DR. Profiling resource use: Do different outcomes affect perceptions of provider efficiency? *Am J Manag Care* 2002; 8: 1105-1115.
45. Boehmer U, Kressin NR, Berlowitz DR, Christiansen CL, Kazis LE, Jones JA. Self-reported versus administrative race/ethnicity data and study results. *Am J Pub Health* 2002; 92: 1471-1473.
46. Pugh MJV, Anderson J, Pogach LM, Berlowitz DR. Differential adoption of pharmacotherapy recommendations for type 2 diabetes by generalists and subspecialists. *Medical Care Research and Review* 2003; 60: 178-200.
47. Berlowitz DR, Young GJ, Hickey EC, Saliba D, Mittman BS, Czarnowski E, Simon B, Anderson JJ, Ash AS, Rubenstein LV, Moskowitz MA. Quality improvement implementation in the nursing home. *Health Serv Res* 2003; 38: 65-83 .
48. Saliba D, Rubenstein LV, Simon B, Hickey E, Ferrell B, Czarnowski E, Berlowitz D. Adherence to pressure ulcer prevention guidelines: Implications for nursing home quality. *J Am Geriatr Soc* 2003; 51: 56-62.
49. Jones JA, Boehmer U, Berlowitz DR, Christiansen CL, Pitman A, Kressin NR. Tooth retention as an indicator of quality dental care: Development of a risk adjustment model. *Med Care* 2003; 41: 937-949.
50. Berlowitz DR, Ash AS, Hickey EC, Glickman M, Friedman R, Kader B. Hypertension management in diabetes: the need for more aggressive therapy. *Diabetes Care* 2003; 26: 355-359.
51. Rosen AK, Loveland SA, Rakovski CC, Christiansen CL, Berlowitz DR. Do different case-mix measures affect assessments of provider efficiency? *J Ambulatory Care Manage* 2003; 26: 229-242.
52. Rakovski CC, Rosen AK, Wang F, Berlowitz DR. Predicting elderly at risk of increased future healthcare use: does diagnostic information add to prior utilization? *Health Services and Outcomes Research Methodology* 2003; 3: 267-277.
53. Zanca JM, Brienza DM, Bennett RG, Berlowitz D. Pressure ulcer research funding in America: Creation and analysis of an on-line database. *Adv Skin Wound Care* 2003; 16:190-197.

54. Kressin NR, Boehmer U, Berlowitz DR, Christiansen CL, Pitman A, Jones JA. Racial variations in dental procedures: the case of root canal therapy versus tooth extraction. *Med Care* 2003; 41: 1256-1261.
55. Borzecki AM, Wong AT, Hickey EC, Ash AS, Berlowitz DR. Hypertension control: How well are we doing? *Arch Int Med* 2003; 163: 2705-2711.
56. Charbonneau A, Rosen AK, Ash AS, Owens RR, Kader B, Spiro A, Hankin C, Herz LR, Pugh MV, Kazis L, Miller DR, Berlowitz DR. Measuring the quality of depression care in a large integrated health system. *Med Care* 2003; 41: 669-680.
57. Berlowitz DR. Striving for six sigma in pressure ulcer care [editorial]. *J Am Geriatr Soc* 2003; 51: 1320-1321.
58. Glassman PA, Volpp B, Walder D, Craig T, Berlowitz D, Kressin N, Furnaga E, Lopez, J, Rothendler J, Schoonover DG, Siegel D, Steele P. Developing electronic clinical reminders for improving hypertension management: the approach of the Department of Veterans Affairs. *The Journal on Information Technology in Healthcare* 2003; 1: 251-265.
59. Tsilimingras D, Rosen AK, Berlowitz DR. Patient safety in geriatrics: A call for action. *J Gerontol: Med Sci* 2003; 58: M813-M819.
60. Pugh MJV, Cramer J, Knoefel J, Charbonneau A, Mandell A, Kazis L, Berlowitz D. Potentially inappropriate antiepileptic drugs for elderly patients with epilepsy. *J Am Geriatr Soc* 2004; 52: 417-422.
61. Charbonneau A, Rosen AK, Owen RR, Spiro A, Ash AS, Miller DR, Kazis L, Kader B, Cunningham F, Berlowitz DR. Monitoring depression care: In search of an accurate quality indicator. *Medical Care* 2004; 42: 522-531.
62. Selim AJ, Berlowitz DR, Fincke G, Cong Z, Rogers W, Haffer SC, Ren XS, Lee A, Qian SX, Miller DR, Spiro A, Selim BJ, Kazis LE. The health status of elderly veteran enrollees in the Veterans Health Administration. *J Am Geriatr Soc* 2004; 52: 1271-1276.
63. Borzecki AM, Wong AT, Ash AS, Berlowitz DR. Can we use administrative data to assess quality of hypertension care? *Am J Manag Care* 2004; 10:473-479.
64. Borzecki AM, Wong AT, Hickey EC, Ash AS, Berlowitz DR. Identifying hypertension-related comorbidities from administrative data: What's the optimal approach? *Am J Med Qual* 2004; 19: 201-206.

65. Charbonneau A, Parker V, Meterko M, Rosen AK, Kader B, Owen RR, Ash AS, Whittle J, Berlowitz DR. The relationship of system-level quality improvement with quality of depression care. *Am J Managed Care* 2004; 10 (part 2): 846-851.
66. Selim AJ, Fincke G, Berlowitz DR, Cong Z, Miller DR, Ren XS, Qian S, Rogers W, Lee A, Rosen AK, Selim BJ, Kazis S. No racial differences in mortality found among Veterans Health Administration outpatients. *J Clin Epidemiol* 2004; 57: 539-542.
67. Hickey EC, Young GJ, Parker VA, Czarnowski EJ, Saliba D, Berlowitz DR. The effects of changes in nursing home staffing on pressure ulcer rates. *J Am Med Dir Assoc* 2005; 6: 50-53.
68. Rosen AK, Wang F, Montez ME, Rakovski CC, Berlowitz DR, Lucove JC. Identifying future high-healthcare users: Exploring the value of diagnostic and prior utilization information. *Disease Management & Health Outcomes* 2005; 13: 117-127.
69. Selim AJ, Berlowitz DR, Fincke G, Cong Z, Rogers W, Ren XS, Lee A, Miller DR, Spiro A, Kazis LE. Comprehensive health status assessment of centenarians: Results from the 1999 Large Health Survey of Veteran Enrollees. *J Gerontol: Med Sci* 2005; 60A: 515-519.
70. Borzecki AM, Oliveria SA, Berlowitz DR. Barriers to hypertension control. *Am Heart J* 2005; 149: 785-794.
71. Berlowitz DR, Rosen AK, Wang F, Tsilimingras D, Tariot PN, Kader B, Mukamel DB. Purchasing or providing nursing home care: Can quality of care data provide guidance. *J Am Geriatr Soc*; 2005; 53: 603-608.
72. Ankrom MA, Bennett RG, Sprigle S, Langemo D, Black JM, Berlowitz DR, Lyder CH, and the National Pressure Ulcer Advisory Panel. Pressure-related deep tissue injury under intact skin and the current pressure ulcer staging systems. *Adv Skin Wound Care* 2005; 18: 35-42.
73. Berlowitz DR, Ash AS, Glickman M, Friedman RH, Pogach LM, Nelson AL, Wong A. Developing a quality measure for clinical inertia in diabetes care. *Health Serv Res* 2005; 40: 1836-1853.
74. Pugh MJV, Fincke BG, Bierman AB, Chang, BH, Rosen A, Cunningham F, Amuan M, Burk M, Berlowitz DR. Potentially inappropriate prescribing in the elderly: Are we using the wrong drug, wrong dose, and wrong duration? *J Am Geriatr Soc* 2005; 53; 1282-1289.

75. Chaudhry SI, Berlowitz DR, Concato J. Do age and comorbidity affect intensity of therapy for poorly controlled diabetes mellitus? *J Am Geriatr Soc* 2005; 53: 1214-1216.
76. Frayne SM, Halanych JH, Miller DR, Wang F, Lin H, Pogach L, Sharkansky EJ, Keane TM, Skinner KM, Rosen CS, Berlowitz DR. Disparities in diabetes care: Impact of mental illness. *Arch Intern Med* 2005; 165: 2631-2638.
77. Young GJ, White B, Burgess JF, Berlowitz D, Meterko M, Guldin MR, Bohkour BG. Conceptual issues in the design and implementation of pay-for-quality programs. *Am J Med Qual* 2005; 20: 144-150.
78. Berlowitz DR, Ratliff C, Cuddigan J, Rodeheaver GT, and the National Pressure Ulcer Advisory Panel. The PUSH tool: A survey to determine its perceived usefulness. *Adv Skin Wound Care* 2005; 18: 480-483.
79. Borzecki AM, Berlowitz DR. Management of hypertension and diabetes: Review of treatment goals, drug choices, current practice and potential strategies for improvement in care. *Current Hypertension Reports* 2005; 7: 439-449. Reprinted in *Primary Care Reports* 2006; 1: 130-140.
80. Perucca E, Berlowitz D, Birnbaum A, Cloyd JC, Garrard J, Hanlon JT, Levy RH, Pugh MJ. Pharmacological and clinical aspects of antiepileptic drug use in the elderly. *Epilepsy Research* 2006; 68 (supplement 1): S49-S63.
81. Concato J, Wells CK, Horowitz RI, Penson D, Fincke G, Berlowitz DR, Froehlich G, Blake D, Vickers MA, Gehr GA, Raheb NH, Sullivan G, Peduzzi P. Is screening for prostate cancer effective? A Case-control study. *Arch Intern Med* 2006; 166: 38-43.
82. Selim AJ, Berlowitz DR, Fincke BG, Rogers W, Qian SX, Lee A, Cong Z, Selim B, Ren XS, Rosen AK, Kazis LE. Use of risk-adjusted change in health status to assess the performance of integrated service networks in the Veterans Health Administration. *Int J Qual Health Care* 2006; 18: 43-50.
83. Borzecki AM, Glickman M, Kader B, Berlowitz DR. The effect of age on hypertension control and management. *Am J Hypertens* 2006; 19: 520-527.
84. Halanych JH, Wang F, Miller DR, Pogach LM, Lin H, Berlowitz DR, Frayne SM. Racial/ethnic differences in diabetes care for older veterans: Accounting for dual health system use changes conclusions. *Med Care* 2006; 44: 439-445.

85. Tyler DA, Parker VA, Engle RL, Brandeis GH, Hickey EC, Rosen AK, Wang F, Berlowitz DR. An exploration of job design in long-term care facilities and its effect on nursing employee satisfaction. *Health Care Management Review* 2006; 31: 137-144.
86. Bokhour BG, Kressin NK, Long JA, Berlowitz DR. How do providers assess antihypertensive medication adherence in medical encounters? *J Gen Intern Med* 2006; 21:577-583.
87. Rothendler JA, Reisman JI, Fincke BG, Glickman M, Berlowitz DR, Gaehde SA, KazisLE. Risk-adjustment revealed associations between degree of left ventricular systolic dysfunction and health-related quality of life. Submitted for publication.
88. Bokhour BG, Burgess JF, Hook JM, White B, Berlowitz D, Guldin MR, Merterko M, Young GJ. Incentive implementation in physician practices: A qualitative study of practice executive perspectives on pay for performance. *Medical Care Research and Review* 2006; 63: 73S-95S.
89. Meterko M, White B, Burgess JF, Berlowitz D, Guldin MR, Bohkour BG, Young GJ. Physician attitudes toward pay-for-performance programs: Development and validation of a measurement instrument. *Health Serv Res* 2006; 41: 1959-1978.
90. Berlowitz DR, Miller DR, Oliveria SA, Cunningham F, Gomez-Caminero A, Rothendler JA. Differential associations of beta-blockers with hemorrhagic events for chronic heart failure patients on warfarin. *Pharmacoepi Drug Safety* 2006; 15: 799-807.
91. Pirraglia PA, Charbonneau A, Kader B, Berlowitz DR. Adequate initial antidepressant treatment among chronic obstructive pulmonary disease patients in a cohort of depressed veterans. *Primary Care Companion J Clin Psychiatry* 2006; 8:71-76.
92. Berlowitz D, Burgess JF, Young GJ. Introduction: Special Supplemental Issue on Improving Quality of Care: Emerging Evidence on Pay-for-Performance. *Medical Care Research and Review* 2006; 63: 11S-13S.
93. Pugh MJV, Foreman PJ, Berlowitz DR. Prescribing antiepileptics for the elderly: Differences between guideline recommendations and clinical practice. *Drugs & Aging* 2006; 23: 861-875.
94. Pugh MJV, Hanlon JT, Zeber JE, Bierman A, Cornell J, Berlowitz DR. Assessing potentially inappropriate prescribing in the elderly Veterans Affairs population using the HEDIS 2006 quality measure. *Journal of Managed Care Pharmacy* 2006; 12: 537-545.

95. McEachrane-Gross FP, Liebshutz J, Berlowitz D. Complementary and alternative medicine (CAM) use in veterans with cancer or chronic pain: a cross-sectional survey. *BMC Complementary and Alternative Medicine* 2006; 6: 34.
96. Kressin NR, Wang F, Long J, Bokhour BG, Orner MB, Rothendler J, Clark C, Reddy S, Kozak W, Kroupa LP, Berlowitz DR. Hypertensive patients' health beliefs, process of care, and medication adherence: Is race important? *J Gen Intern Med* 2007; 22: 768-774.
97. Oates DJ, Berlowitz DR, Glickman ME, Silliman RA, Borzecki AM. Blood pressure and survival amongst the oldest old. *J Am Geriatr Soc* 2007; 55: 383-388.
98. Young GJ, Meterko M, White B, Bokhour BG, Sautter KM, Berlowitz D, Burgess JF. Physician attitudes towards pay-for-quality programs: Perspectives from the front line. *Medical Care Research and Review* 2007; 64: 331-343.
99. Bierman AS, Pugh MJV, Dhalla I, Amuan M, Fincke BG, Rosen A, Berlowitz DR. Gender differences in inappropriate prescribing among elderly veterans. *Am J Geriatric Pharmacotherapy* 2007; 5: 147-161.
100. Young GJ, Meterko M, Beckman HB, Baker E, White B, Sautter KM, Greene R, Curin K, Bokhour BG, Berlowitz D, Burgess JF. Effects of paying physicians based on their relative performance for quality. *J Gen Intern Med* 2007; 22: 872-876.
101. Sautter KM, Bokhour BG, White B, Young GJ, Burgess JF, Berlowitz D, Wheeler JRC. The early experiences of a hospital-based pay-for-performance program. *Journal of Healthcare Management* 2007; 52: 95-107.
102. Berlowitz DR, Frantz RA. Implementing best practices in pressure ulcer care: The role of continuous quality improvement. *J Am Med Dir Assoc*; 2007; 8: S37-S41.
103. Pugh MJV, Berlowitz DR, Montouris G, Bokhour B, Cramer J, Thurman D, Bohm V, Bollinger M, Ettinger A, Meador K, Fountain N, Boggs J, Tatum WO, Harden C, Mattson RH, Kazis L. What constitutes high quality of care for adults with epilepsy? *Neurology* 2007; 69: 2020-2027.
104. Rose AJ, Berlowitz DR, Orner MB, Kressin NR. Understanding uncontrolled hypertension: Is it the patient or the provider? *J Clin Hypertens* 2007; 9: 937-943.
105. Berlowitz DR, Brienza DM. Are all pressure ulcers the result of deep tissue injury? A review of the literature. *OstomyWound Management* 2007; 53 (10): 34-38.

106. Miller DR, Olivera SA, Berlowitz DR, Fincke G, Stang P, Lillienfeld DE. Angioedema incidence in US veterans initiating angiotensin-converting enzyme inhibitors. *Hypertension* 2008; 51: 1624-1630.
107. Kressin NR, Long J, Glickman ME, Bokhour BG, Orner MB, Clark C, Rothendler JA, Berlowitz DR. A brief, multifaceted, generic intervention to improve blood pressure control and reduce disparities had little effect. *Ethnicity and Disease*; In press.
108. Pugh MJV, Van Cott AC, Cramer JA, Knoefel JE, Amuan ME, Tabares J, Ramsay RE, Berlowitz DR and the Treatment in Geriatric Epilepsy Research team. Trends in antiepileptic drug prescribing for older patients with new-onset epilepsy: 2000-2004. *Neurology* 2008; 70: 2171-2178.
109. Rose AJ, Shimada SL, Rothendler J, Reisman JI, Glassman PA, Berlowitz DR, Kressin NR. The accuracy of clinician perceptions of "usual" blood pressure control. *J Gen Intern Med* 2008; 23: 180-183.
110. Chodosh J, Edelen MO, Buchanan JL, Yosef JA, Ouslander JG, Berlowitz DR, Streim JE, Saliba D. Nursing home assessment of cognitive impairment: Development and testing of a brief instrument of mental status. *J Am Geriatr Soc* 2008; 56:2069-2075.
111. Kapoor A, Kader B, Cabral H, Ash A, Berlowitz D. Developing and evaluating a risk-adjustment model for pressure ulcer healing. *Am J Med Qual* 2008; 23: 342-349.
112. Pugh MJV, Rosen AK, Montez-Rath M, Amuan ME, Fincke BG, Burk M, Bierman A, Cunningham F, Mortensen EM, Berlowitz DR. Potentially inappropriate prescribing for the elderly: Effects of geriatric care at the patient and health care system level. *Med Care* 2008; 46: 167-173.
113. Borzecki AM, Bridgers DK, Liebschutz JM, Kader B, Kazis LE, Berlowitz DR. Racial differences in the prevalence of atrial fibrillation among males. *Journal of the National Medical Association* 2008; 100: 237-245.
114. Rose AJ, Berlowitz DR, Frayne SM, Hylek EM. Measuring quality of oral anticoagulation care: Extending quality measurement to a new field. *Jt Comm J Qual Patient Saf* 2009; 35: 146-55.
115. Berlowitz DR, Hoenig H, Cowper DC, Duncan PW, Vogel B. Impact of comorbidities on stroke rehabilitation outcomes: Does the method matter? *Arch Phys Med Rehabil* 2008; 89: 1903-1906.

116. Bokhour BG, Pugh MJ, Rao JK, Avetisyan R, Berlowitz DR, Kazis LE. Improving measures for measuring quality of care: A patient-based approach in chronic disease. *Medical Care Research and Review* 2009; 66: 147-166.
117. Furmaga EM, Cunningham FE, Cushman WC, Dong D, Jiang R, Basile J, Katz LA, Rutan GH, Berlowitz DR, Papademetriou V, Glassman PA. National utilization of antihypertensive medications from 2000 to 2006 in the Veterans Health Administration: Focus on thiazide diuretics. *Journal of Clinical Hypertension* 2008; 10: 770-778.
118. Rose AJ, Hermos J, Frayne S, Pogach L, Berlowitz DR, Miller DR. Do opioids affect quality of care for diabetes mellitus? *Am J Managed Care* 2009; 15: 217-224.
119. Rose AJ, Berlowitz DR, Manze M, Orner MB, Kressin NR. Comparing methods of measuring treatment intensification in hypertension care. *Circ Cardiovasc Qual Outcomes* 2009; 2: 385-391.
120. Rose AJ, Ozonoff A, Berlowitz DR, Henault LE, Hylek EM. Warfarin dose management affects INR control. *J Thromb Haemost* 2009; 7: 94-101.
121. Pugh MJV, Knoefel JE, Mortensen EM, Amuan ME, Berlowitz DR, Van Cott AC. New-onset epilepsy risk factors in older veterans. *J Am Geriatr Soc* 2009; 57: 237-242.
122. Selim AJ, Berlowitz D, Kazis LE, Rogers W, Wright SM, Qian SX, Rothendler JA, Spiro A, Miller D, Selim BJ, Fincke BG. Comparison of health outcomes for male seniors in the Veterans Health Administration and Medicare Advantage Plan. *Health Serv Res* 2010; 45: 376-396.
123. Frayne SM, Miller DR, Sharkansky EJ, Wang F, Jackson VW, Halanych JH, Berlowitz DR, Kader B, Rosen CS, Keane TM. Using administrative data to identify mental illness: what approach is best? *Am J Med Qual* 2010; 25: 42-50
124. Borzecki AM, Kader B, Berlowitz DR. The epidemiology and management of severe hypertension. *Journal Human Hypertension* 2010; 24: 9-18.
125. Rose AJ, Berlowitz DR, Manze M, Orner MB, Kressin NR. Intensifying therapy for hypertension despite suboptimal adherence. *Hypertension* 2009; 54: 524-529.
126. Berlowitz DR, Hickey EC, Saliba D. Can administrative data identify active diagnoses for long-term care resident assessment? *J Rehab Res Dev* 2010; 47: 719-724.

127. Frayne SM, Berg E, Holmes TH, Laungani K, Berlowitz DR, Miller DR, Pogach L, Jackson VW, Moos R. Mental illness-related disparities in length of stay: Algorithm choice influences results. *J Rehab Res Dev* 2010; 47: 709-718.
128. Rich MW, Mensah GA, for the Price-V Investigators (Includes Berlowitz DR). Fifth Pivotal Research in Cardiology in the Elderly (PRICE-V) Symposium: Preventive Cardiology in the Elderly-Executive Summary. Part II: Afternoon Session. *Prev Cardiol* 2010; 13: 42-47.
129. Manze M, Rose AJ, Orner MB, Berlowitz DR, Kressin NR. Understanding racial disparities in treatment intensification for hypertension management. *J Gen Intern Med* 2010; 25: 819-825.
130. Kressin NR, Orner MB, Manze M, Glickman ME, Berlowitz D. Understanding contributors to racial disparities in blood pressure control. *Circ Cardiovasc Qual Outcomes* 2010; 3: 173-180.
131. Berlowitz DR, Franklin SS. The clock is ticking: the case for achieving more rapid control of hypertension. *J Clin Hypertens* 2010; 12: 323-327
132. Kapoor A, Chuang W, Radhakrishnan N, Smith KJ, Berlowitz D, Segal JB, Katz JN, Losina E. Cost-effectiveness of VTE pharmacological prophylaxis in total hip and knee replacement: A systematic review. *Pharmacoeconomics* 2010; 28: 521-538.
133. Ding YY, Kader B, Christiansen CL, Berlowitz DR. Patient factors associated with transfusion practices in Veterans Affairs intensive care units: Implications for further research. *J Critical Care* 2011; 26: 431.e1-431.e9.
134. Shwartz M, Burgess JF, Berlowitz D. Benefit-of-the-doubt approaches for calculating a composite measure of quality. *Health Services and Outcomes Research Methodology* 2010; 9: 234-251.
135. Pugh MJV, VanCott AC, Steinman MA, Mortensen EM, Amuam, ME, Wang C, Knoefel JE, Berlowitz DR. Choice of initial antiepileptic drug for older veterans: Possible pharmacokinetic drug interactions with existing medications. *J Am Geriatr Soc* 2010; 58: 465-471.
136. Pekoz E, Shwartz M, Christiansen C, Berlowitz D. Approximate models for aggregate data when individual level data sets are very large or unavailable. *Statistics in Medicine* 2010; 29: 2180-2193.

137. Pugh MJ, Berlowitz DR, Rao JK, Shapiro G, Montouris G, Avetisyan R, Hanchate A, Jarrett K, Tabares J, Kazis L. The quality of care for adults with epilepsy: An initial glimpse using the QUIET measure. *BMC Health Services* 2011; 11:1.
138. Berlowitz DR, Stineman M. Risk adjustment in rehabilitation quality improvement. *Topics in Stroke Rehabilitation* 2010; 17: 252-261.
139. Rose A, Glickman ME, Manze M, Orner MB, Berlowitz D, Kressin NR. Effects of daily adherence to anti-hypertensive medication on blood pressure control. *J Clin Hyperten* 2011; 13: 416-421.
140. Rosenbloom MH, Brown J, Berlowitz D, Budson AE. Galantamine SE is well-tolerated in patients transitioned from alternative cholinesterase inhibitors. *The Consultant Pharmacist* 2011; 26: 108-110.
141. Rose AJ, Hylek EM, Ozonoff A, Ash AS, Reisman JI, Berlowitz DR. Risk-adjusted percent time in therapeutic range as a quality indicator for oral anticoagulation care: Results of the Veterans Affairs Study to Improve Anticoagulation (VARIA). *Circ Cardiovasc Qual Outcomes* 2011; 4: 22-29.
142. Rose AJ, Hylek EM, Ozonoff A, Ash AS, Reisman JI, Berlowitz DR. Patient Characteristics Associated with Oral Anticoagulation Control: Results of the Veterans Affairs Study to Improve Anticoagulation (VARIA). *J Thromb Haemost* 2010; 8: 2182-2191.
143. Hanlon JT, Wang X, Castle NG, Stone RA, Handler SM, Semla TP, Pugh MJ, Berlowitz DR, Dysken MW. Potential underuse, overuse, and inappropriate use of antidepressants in older veteran nursing home residents. *J Am Geriatr Soc* 2011; 59: 1412-1420.
144. Kapoor A, Labonte AJ, Winter MR, Segal JB, Silliman RA, Katz JN, Losina E, Berlowitz D. Risk of venous thromboembolism after total hip and knee replacement in older adults with comorbidity and co-occurring comorbidities in the Nationwide Inpatient Sample (2003-2006). *BMC Geriatrics* 2010; 10 (1); 63
145. Pugh MJV, Starner C, Amuan M, Berlowitz DR, Horton M, Marcum ZA, Hanlon JT. Exposure to potentially harmful drug-disease interactions among older, predominantly male veterans based on the Healthcare Effectiveness Data and Information Set quality measure: Who is at risk? *J Am Geriatr Soc* 2011; 59: 1673-1678.
146. Rose AJ, Ozonoff A, Berlowitz DR, Ash AS, Reisman JI, Hylek EM. Reexamining the recommended follow-up interval after an in-range INR value: Results from the Veterans Affairs Study to Improve Anticoagulation (VARIA). *Chest* 2011; 140: 359-365.

147. Dossa A, Berlowitz DR. Association between psychiatric disorders and rehospitalization, mortality, and functional change in stroke patients following inpatient rehabilitation. *BMC Health Services Research* 2011; 11:311.
148. Rose AJ, Cunningham F, Hylek EM, Ozonoff A, Ash AS, Reisman, JI, Callahan P, Gordon M, Berlowitz DR. Relevance of current guidelines for organizing an anticoagulation clinic. *Am J Managed Care* 2011; 17:284-289.
149. Rose AJ, Hylek EM, Berlowitz, DR, Ash AS, Reisman JI, Ozonoff A. Prompt repeat testing after out-of-range INR values: A quality indicator for anticoagulation care. *Circ Cardiovasc Qual Outcomes* 2011; 4: 276-282.
150. Shwartz M, Pekoz EA, Christiansen CL, Burgess JF, Berlowitz D. Shrinkage estimators for a composite measure of quality conceptualized as a formative construct. *Health Serv Res* 2013; 48: 271-289.
151. Rose AJ, Berlowitz DR, Hylek E, Ozonoff A, Goldhaber-Fiebert JD. The Business Case for Quality Improvement: Oral Anticoagulation for Atrial Fibrillation. *Circ Cardiovasc Qual Outcomes* 2011; 4:416-424.
152. Pugh MJ, Hanlon JT, Wang CP, Semla T, Burk M, Amuan ME, Lowery A, Good CB, Berlowitz DR. Trends in use of high risk medications for older veterans:2004-2006. *J Am Geriatr Soc* 2011; 59: 1891-1898.
153. Suen W, Parker VA, Harney L, Nevin S, Jansen J, Alexander L, Berlowitz D. Internal medicine interns' and residents' pressure ulcer prevention and assessment attitudes and abilities: Results of an exploratory study. *Ostomy Wound Management* 2012; 58 (4) 28-35.
154. Rothendler JA, Rose AJ, Reisman JI, Berlowitz DR, Kazis LE. Choices in the use of ICD-9 codes to identify stroke risk factors can affect the apparent population-level risk factor prevalence and distribution of CHADS2 scores. *American Journal of Cardiovascular Disease* 2012; 2: 184-191.
155. Brooks DR, Avetisyan R, Jarrett KM, Hanchate A, Shapiro GD, Pugh MJ, Berlowitz DR, Thurman D, Montouris G, Kazis LE. Validation of self-reported epilepsy for purposes of community surveillance. *Epilepsy & Behavior* 2012; 23: 57-63.
156. Rose AJ, Berlowitz DR, Miller DR, Hylek EM, Ozonoff A, Zhao S, Reisman JI, Ash AS. INR targets and site-level anticoagulation control: Results from the Veterans Affairs Study to Improve Anticoagulation (VARIA). *J Thromb Haemost*; in press.

157. Niederhauser A, VanDeusen-Lukas C, Parker V, Ayello EA, Zulkowski K, Berlowitz D. Comprehensive programs for preventing pressure ulcers-A review of the literature. *Adv Skin Wound Care* 2012; 25: 167-188.
158. Hartmann CW, Snow AL, Allen RS, Parmelee PA, Palmer JA, Berlowitz D. A conceptual model for culture change evaluation in nursing homes. *Geriatric Nursing* 2013; 34: 388-394.
159. Saliba D, Buchanan J, Orlando M, Edelen MO, Streim JL, Ouslander J, Berlowitz D, Chodosh J. MDS 3.0: Brief interview for mental status. *J Am Med Dir Assoc* 2012; 13:611-617
160. Saliba D, Jones M, Streim J, Ouslander J, Berlowitz D, Buchanan J. Overview of significant changes in the Minimum Data Set for nursing homes version 3.0. *J Am Med Dir Assoc* 2012; 13: 595-601.
161. Rao SR, Reisman JI, Kressin NR, Berlowitz DR, Ash AS, Ozonoff A, Miller DR, Hylek EM, Zhao S, Rose AJ. Explaining Racial Disparities in Anticoagulation Control: Results from a study of patients at Veterans Administration (VA). *Am J Med Qual* 2015; 30: 214-222.
162. Rose AJ, Miller DR, Ozonoff A, Berlowitz DR, Ash AS, Zhao S, Reisman J, Hylek E. Gaps in monitoring during oral anticoagulation: Insights into care transitions, monitoring barriers, and medication non-adherence. *Chest* 2013; 143: 751-757.
163. Sullivan JL, Shwartz M, Burgess JF, Pekoz EA, Christiansen CL, Gerena-Melia M, Berlowitz D. Person centered care practices and quality in Department of Veterans Affairs nursing homes: Is there a relationship? *Med Care* 2013; 51:165-171.
164. Pugh MJV, Marcum ZA, Copeland LA, Mortensen EM, Zeber JE, Noël PH, Berlowitz DR, Downs JR Good CB, Alvarez C, Amuan M, Hanlon JT. The quality of quality measures: HEDIS quality measures for medication management in the elderly: Outcomes associated with new exposure. *Drugs and Aging* 2013; 30: 645-654.
165. Jasuja GK, Reisman JI, Miller DR, Berlowitz DR, Hylek EM, Ash AS, Ozonoff A, Zhao S, Rose AJ. Identifying Major Hemorrhage with Automated Data: Results of the Veterans Affairs Study to Improve Anticoagulation (VARIA). *Thrombosis Research* 2013;131: 31-36.

166. Kapoor A, Chew P, Silliman RA, Hylek EM, Katz JN, Cabral H, Berlowitz D. Venous thromboembolism after joint replacement in older male veterans with comorbidity. *J Am Geriatr Soc* 2013; 61: 590-601.
167. Frayne S, Holmes TH, Berg E, Goldstein MK, Berlowitz D, Miller DR, Pogach L, Laungani KJ, Lee TT, Moos R. Mental illness and intensification of diabetes medications: An observational cohort study. *BMC Health Services* 2014; 14: 458.
168. Paradise HT, Berlowitz DR, Ozonoff A, Miller DR, Hylek EM, Ash AS, Jasuja GK, Zhao S, Reisman JI, Rose AJ. Outcomes of anticoagulation therapy in patients with mental health conditions. *J Gen Intern Med* 2014; 29: 855-861.
169. Horvath KJ, Trudeau SA, Rudolph JL, Trudeau P, Duffy ME, Berlowitz D. Clinical trial of a home safety toolkit intervention for Alzheimer's Disease. *International Journal of Alzheimer's Disease*; 2013; Article ID 913606.
170. Hartmann C, Meterko M, Palmer J, Zhao S, Berlowitz D. Safety climate in VHA nursing homes: A novel instrument and a preliminary overview. *Med Care Research & Review* 2013; 70: 400-417.
171. Avetisyan R, Cabral H, Montouris G, Jarrett K, Shapiro GD, Berlowitz DR, Kase CS, Kazis LE. Evaluating racial/ethnic variations in outpatient epilepsy care. *Epilepsy & Behavior* 2013; 27: 95-101.
172. Efirid LM, Miller DR, Ash AS, Berlowitz DR, Ozonoff A, Zhao S, Reisman JI, Jasuja GK, Rose AJ. Identifying the Risks of Anticoagulation in Patients with Substance Abuse. *J Gen Intern Med* 2013; 28: 1333-1339.
173. Rose AJ, Hylek EM, Berlowitz DR. Measuring and improving the quality of anticoagulation for Veterans. *Federal Practitioner* 2013; 30 (3): 34-36.
174. Coleman S, Nixon J, Keen J, Wilson L, McGinnis E, Dealey C, Stubbs N, Farrin A, Dowding D, Schols J, Cuddigan J, Berlowitz D, Jude E, Vowden P, Schoonhoven L, Bader DL, Gefen A, Oomens CWJ, Nelson EA. A new pressure ulcer conceptual framework. *Journal of Advanced Nursing* 2014; 70: 2222-2234.
175. Coleman S, Nelson EA, Keen J, Wilson L, McGinnis E, Dealey C, Stubbs N, Muir D, Farrin A, Dowding D, Schols J, Cuddigan J, Berlowitz D, Jude E, Vowden P, Bader DL, Gefen A, Oomens CWJ, Schoonhoven L, Nixon J. Developing a pressure ulcer risk factor minimum data set and risk assessment framework. *Journal of Advanced Nursing* 2014; 70: 2339-2352.

176. Palmer JA, Meterko M, Zhao S, Berlowitz D, Mobley E, Hartmann CW. Nursing home employee perceptions of culture change. *Res Gerontol Nurs* 2013; 6: 152-160
177. Berlowitz DR. Hypertension treatment in the elderly: Too much of a good thing? (Editorial). *J Clinical Hypertens* 2014; 16: 265-266.
178. Shwartz M, Pekoz E, Burgess JF, Christiansen C, Rosen A, Berlowitz D. A Probability Metric for Identifying High Performing Facilities: An Application for Pay-for-Performance Programs. *Medical Care* 2014; 52: 1030-1036.
179. Alvarez CA, Mortensen EM, Makris UE, Berlowitz DR, Copeland LA Laurel, Good CB, Amuan ME, Pugh MJV. Association of skeletal muscle relaxers and antihistamines on mortality, hospitalizations, and emergency department visits in elderly patients: a nationwide retrospective cohort study. *BMC Geriatrics* 2015; 15: 2.
180. Efirid LM, Mishkin DS, Berlowitz DR, Ash AS, Hylek EM, Ozonoff A, Reisman JI, Zhao S, Jasuja GK, Rose AJ. Stratifying the Risks of Oral Anticoagulation in Patients with Liver Disease. *Circ Cardiovasc Qual Outcomes* 2014; 7:461-7.
181. Makris UE, Pugh MJ, Alvarez CA, Berlowitz DR, Hanlon JT, Turner BJ, Aung K, Mortensen EM. Exposure to high risk medications is associated with worse outcomes in older veterans with chronic pain. *American Journal of the Medical Sciences* 2015; 350:279-285.
182. Ambrosius WT, Sink KM, Foy CG, Berlowitz DR, Cheung AK, Cushman WC, Fine LJ, Goff DC, Johnson KC, Killeen AA, Lewis CE, Oparil S, Reboussin DM, Rocco MV, Williamson JD, Wright JT, Whelton PK for the Sprint Study Research Group. The design and rationale of a multicenter clinical trial comparing two strategies for control of systolic blood pressure: The Systolic Blood Pressure Intervention Trial (SPRINT). *Clinical Trials* 2014; 11: 532-546.
183. Ding YY, Kader B, Christiansen CL, Berlowitz DR. Hemoglobin level and hospital mortality among intensive care unit patients with cardiac disease who received transfusions. *Journal of the American College of Cardiology* 2015; 66:2510-2518.
184. Manze MG, Orner MB, Glickman M, Pbert L, Dan Berlowitz D, Kressin NR. Brief provider communication skills training fails to impact patient hypertension outcomes. *Patient Education and Counseling* 2015; 98: 191-198.
185. Berlowitz DR. Hypertension treatment and falls: Should we be concerned? (Editorial). *J Gen Intern Med* 2014; 29; 1577-1578.

186. Berlowitz DR. Remembering Gene Stollerman, MD. *J Am Geriatr Soc* 2014; 62: 2426-2427.
187. Jasuja GK, Bhasin S, Reisman JI, Berlowitz DR, Rose AJ. Ascertainment of testosterone prescribing practices in the VA. *Medical Care* 2015; 53:746-752.
188. Schmitt SK, Turakhia M, Phibbs CS, Moos RH, Berlowitz D, Heidenreich P, Chiu VY, Go AS, Friedman SA, Than CT, Frayne SM. Anticoagulation in atrial fibrillation: Impact of mental illness. *Am J Managed Care* 2015; 21: e609-e617.
189. Vimalananda VG, Gupte G, Seraj SM, Orlander J, Berlowitz D, Fincke BG, Simon SR. Electronic consultations (e-consults) to improve access to specialty care: A systematic review and narrative synthesis. *Journal of Telemedicine and Telecare* 2015; 21:323-330.
190. Kim EJ, Ozonoff A, Hylek EM, Berlowitz DR, Ash AS, Miller DR, Zhao S, Reisman JI, Jasuja GK, Rose AJ. Predicting outcomes among patients with atrial fibrillation and heart failure receiving anticoagulation with warfarin. *Thromb Haemost* 2015 114: 70-77.
191. Hartmann CW, Shwartz M, Zhao S, Palmer JA, Berlowitz D. Longitudinal pressure ulcer rates since the adoption of culture change in Veterans Health Administration nursing homes. *J Am Geriatr Soc* 2016; 64: 151-155.
192. Kressin NR, Long JA, Glickman ME, Bokhour BG, Orner MB, Clark C, Rothendler JA, Berlowitz DR. A brief, multifaceted, generic intervention to Improve blood pressure control and reduce disparities had little effect. *Ethnicity and Disease* 2016; 26: 27-36.
193. Berlowitz DR, Breaux-Shropshire T, Foy C, Gren LH, Kazis L, Lerner AJ, Newman JC, Powell JR, Riley WT, Rosman R, Wadley VG, Williams JA For the SPRINT Study Research Group. Hypertension treatment and concern about falling: Baseline data from the SPRINT study. *J Am Geriatr Soc* 2016; 64: 2302-2306.
194. Kapoor A, Chew PW, Reisman JI, Berlowitz DR. Low self-reported function predicts postoperative complications in VA patients undergoing total hip and total knee replacement. *J Am Geriatr Soc* 2016; 64: 862-869.
195. Jasuja GK, Bhasin S, Reisman JI, Hanlon JT, Miller DR, Morreale AP, Pogach L, Cunningham F, Park A, Berlowitz DR, Rose AJ. Who gets testosterone? Patient characteristics associated with testosterone prescribing in the Veterans Affairs system: A cross-sectional study. *J Gen Intern Med* 2017; 32: 304-311.
196. Pajewski NM, Williamson JD, Applegate WB, Berlowitz DR, Bolin LP, Chertow GM, Krousel-Wood MA, Barrera LA, Powell J, Roumie CL, Still C, Sink KM, Tang R, Wright CB, Supiano MA, for the SPRINT Study Research Group. Characterizing Frailty

- Status in the Systolic Blood Pressure Intervention Trial (SPRINT) Cohort. *J Gerontology: Medical Sciences* 2016; 71: 649-655.
197. Thomas HN, Evans GW, Berlowitz DR, Chertow GM, Conroy MB, Foy CG, Glasser SP, Lewis CE, Riley WT, Russell L, Williams O, Hess R. Antihypertensive medications and sexual function in women: Baseline data from the Systolic Blood Pressure Intervention Trial (SPRINT). *Journal of Hypertension* 2016; 34: 1224-1231.
 198. Razouki Z, Burgess JF, Ozonoff A, Zhao S, Berlowitz D, Rose AJ. Improving anticoagulant measurement with a novel warfarin composite measure. *Circ Cardiovasc Qual Outcomes* 2015; 8: 600-607.
 199. Foy CG, Newman JC, Berlowitz DR, Russell LP, Kimmel PL, Wadley, VG, Thomas HN, Bonds DE, Lerner AJ, Riley WT. Blood pressure, and sexual activity and dysfunction in women with hypertension: Baseline findings from the Systolic Blood Pressure Intervention Trial (SPRINT). *Journal of Sexual Medicine*; 2016: 13; 1333-1346.
 200. Boehmer U, Glickman M, Jones JA, Orner MB, Berlowitz DR, Kressin NR. Dental care in an equal access system valuing equity: Are there racial disparities? *Med Care*; 2016; 54: 998-1004.
 201. Williamson JD, Supiano MA, Applegate WB, Berlowitz DR, Campbell RC, Chertow GM, Fine LJ, Haley WE, Hawfield AT, Ix JH, Kitzman DW, Kostis JB, Krousel-Wood MA, Launer LJ, Oparil S, Rodriguez CJ, Roumie CL, Shorr RI, Sink KM, Wadley VG, Whelton PK, Whittle J, Woolard NF, Wright Jr JT, Pajewski NM, for the SPRINT Research Group. Intensive vs standard blood pressure control and cardiovascular disease outcomes in adults aged ≥ 75 years: A randomized clinical trial. *JAMA* 2016; 315: 2673-2682.
 202. Palmer JA, Parker VA, Berlowitz D, Snow AL, Hartmann CW. Resident choice: A nursing home staff perspective on tensions and resolutions. *Geriatric Nursing*; 2018; 39: 271-278.
 203. Berlowitz DR. Understanding uncontrolled hypertension. *J Clinical Hypertens* 2016; 18: 1155-1156.
 204. Snow AL, Jacobs ML, Palmer JA, Parmelee PA, Allen RS, Wewiorski NJ, Hilgeman MM, Vinson LD, Berlowitz DR, Halli-Tierney AD, Hartmann CW. Development of a New Tool for Systematic Observation of Nursing Home Resident and Staff Engagement and Relationship. *Gerontologist* 2017

205. Odden MC, Peralta CA, Berlowitz DR, Johnson KC, Whittle J, Kitzman DW, Beddhu S, Nord JW, Papademetriou V, Williamson JD, Pajewski NM for the SPRINT Study Research Group. Intensive blood pressure control, gait speed, and mobility limitation: The Systolic Blood Pressure Intervention Trial. *JAMA Int Med*; 2017; 177: 500-507.
206. Bress AP, Bellows BK, King J, Hess R, Beddhu S, Zhang Z, Berlowitz DR, Conroy MB, Fine L, Oparil S, Powell J, Tamariz L, Whittle J, Wright J, Supiano MA, Cheung AK, Weintraub WS, Moran AE for the SPRINT Research Group. Cost-effectiveness of intensive versus standard blood pressure control. *N Engl J Med* 2017; 377: 745-755.
207. Berlowitz DR, Foy CG, Kazis LE, Bolin LP, Conroy MB, Fitzpatrick P, Gure TR, Kimmel PL, Kirchner K, Morisky DE, Newman J, Olney C, Oparil S, Pajewski NM, Powell J, Ramsey T, Simmons DL, Snyder J, Supiano MA, Weiner DE, Whittle J, for the SPRINT Research Group. Impact of intensive blood pressure therapy on patient-reported outcomes. *N Engl J Med* 2017; 377: 733-744.
208. Palmer JA, Parker VA, Burgess JF, Berlowitz D, Snow AL, Mitchell SL, Hartmann CW. Developing the Supporting Choice Observational Tool (SCOT): A formative assessment tool to assist nursing home staff in realizing resident choice. *Research in Gerontological Nursing* 2017; 10: 129-138
209. Snow AL, Dodson MLJ, Palmer J, Parmelee P, Allen R, Wewiorski N, Hilgeman M, Halli A, Berlowitz D, Vinson L, Hartmann C. Quantifying the “Soft Side” of Nursing Home Person-Centered Care: Development of a New Systematic Observation Tool of Resident and Staff Engagement and Relationship. *Gerontologist*. 2018;58: e15-e24.
210. Jasuja GK, Bhasin S, Rose AJ, Reisman JI, Hanlon JT, Miller DR, Morreale AP, Pogach LM, Cunningham FE, Park A, Wiener RS, Gifford AL, Berlowitz DR. Provider and site-level determinants of testosterone prescribing in the Veterans Healthcare System. *J Clin Endocrinol Metab*. 2017; 102:3226-3233.
211. Sink KM, Evans GW, Shorr RI, Bates JT, Berlowitz D, Conroy MB, Felton DM, Gure T, Johnson KC, Kitzman D, Lyles MF, Servilla K, Supiano MA, Whittle J, Wiggers A, Fine LJ. Syncope, hypotension, and falls in the treatment of hypertension: Results from the randomized clinical Systolic Blood Pressure Intervention Trial. *J Am Geriatr Soc* 2018; 66: 679-686.
212. Berlowitz DR. Clinical inertia and the 2017 ACA/AHA Guideline. *J Clin Hypertens* 2018; 20: 1392-1394.
213. Jasuja GK, Ameli O, Miller DR, Land T, Bernson D, Rose AJ, Berlowitz DR, Smelson DA. Overdose risk for Veterans receiving opioids from multiple sources. *Am J Managed Care* 2018; 24: 536-540.

214. Foy CG, Newman JC, Berlowitz DR, Russell LP, Kimmel PL, Wadley VG, Thomas HN, Lerner AJ, Riley WT. Blood pressure, sexual activity, and erectile function in hypertensive men; baseline findings from the Systolic Blood Pressure Intervention Trial (SPRINT). *Journal of Sexual Medicine* 2019; 16: 235-247.
215. Hartmann CW, Mills WL, Pimentel CB, Palmer JA, Allen RS, Zhao S, Wewiorski NJ, Sullivan JL, Dillon K, Clark V, Berlowitz DR, Snow AL. Impact of Intervention to Improve Nursing Home Resident-Staff Interactions and Engagement. *The Gerontologist* 2018; 58: e291-e301.
216. Jasuja GK, Bhasin S, Rose AJ, Reisman JI, Skolnik A, Berlowitz DR, Gifford AL. Use of testosterone in men infected with human immunodeficiency virus in the Veterans healthcare system. *AIDS Care* 2018; 10: 1207-1214.
217. Berlowitz DR, Foy C, Conroy M, Evans GW, Olney CM, Pisoni R, Powell JR, Gure TR, Shorr RI. Impact of intensive blood pressure therapy on concern about falling: Longitudinal results from the Systolic Blood Pressure Intervention Trial (SPRINT). *J Am Geriatr Soc*; In press.
218. Kottner J, Cuddigan J, Carville K, Balzer K, Berlowitz D, Law S, Litchford M, Mitchell P, Moore Z, Pittman J, Sigaudou-Roussel, Chang YY, Haesler E. Prevention and treatment of pressure ulcers/injuries: the protocol for the second update of the International Clinical Practice Guideline 2019. *Journal Tissue Viability*; In press.
219. Derington CG, Gums TH, Bress AP, Herrick JS, Greene TH, Moran AE, Weintraub WS, Kronish IM, Morisky DE, Trinkley KE, Saseen JJ, Reynolds K, Bates JT, Berlowitz DR, Chang TI, Chonchoi M, Cushman WC, Foy CG, Herring CT, Katz LA, Krousel-Wood M, Pajewski NM, Tamariz L, King JB. Association of total medication burden with intensive and standard blood pressure control and clinical outcomes in SPRINT. Hypertension. In press.
220. Hull L, Chanfreau-Coffinier C, Tuteja S, Berlowitz D, Lehmann, LS, Pyne J, Oslin D, DuVall S, Lynch J. Early adoption of pharmacogenetic testing for Veterans prescribed psychotropic medications. *Pharmacogenomics*. In press.
221. Pajewski NM, Berlowitz DR, Bress AP, Callahan KE, Cheung AK, Fine LJ, Gaussoin SA, Johnson KC, King J, Kitzman DW, Kostis JB, Lerner AJ, Lewis CE, Oparil S, Rahman M, Reboussin DM, Rocco MV, Snyder JK, Still C, Supiano MA, Wadley VG, Whelton PK, Wright Jr JT, Williamson JD. Intensive versus standard blood pressure control in adults 80 years or older: A secondary analysis of the Systolic Blood Pressure Intervention Trial. *J Am Geriatr Soc*. In press.

222. Jasuja GK, Ameli O, Reisman JI, Rose AJ, Miller DR, Berlowitz DR, Bhasin S. Health outcomes among long-term opioid users with testosterone prescription in the Veterans Health Administration. JAMA Network Open 2019; In press.

Reports

1. Hickey EC, Berlowitz DR, Anderson J, Hankin C, Hendricks A, Lehner L. The Veterans Hospice Care Study: An Evaluation of VA Hospice Programs; February, 1998.
2. Holtzman J, Berlowitz DR, Ash AS, Moskowitz MA. Case-Mix Measures for Diabetes Mellitus: A Review of the Literature. Prepared for the Health Care Financing Administration by the Research Data Assistance Center. August, 2000.
3. Ash AS, Speckman J, Berlowitz DR, Franco S, Chaisson C, Posner M, Anderson K, Yacht AC, Moskowitz MA. Predictors of Heart failure Outcomes: A Review of the Literature. Prepared for the Center for Medicare and Medicaid Services by the Research Data Assistance Center; December, 2001.

Grant Support

1. Principal Investigator
Title: Quality Assessment in Ambulatory Care.
Dates: 6/1/92 through 12/31/96
Awarded by: Department of Veterans Affairs, HSR&D
2. Principal Investigator
Title: Predicting Pressure Ulcer Development Using DVA Databases.
Dates: 1/1/93 through 7/31/94
Awarded by: Department of Veterans Affairs, HSR&D
3. Research Associate
Title: Career Development Award
Dates: 4/1/92 through 3/31/95
Awarded by: Department of Veterans Affairs, HSR&D
4. Principal Investigator
Title: Pressure Ulcer Incidence Rates as a Quality Measure for Long-Term Care.
Dates: 8/1/95-7/31/97
Awarded by: Department of Veterans Affairs; HSR&D
5. Co-Investigator (PI: Gaehde)

- Title: A Pilot Study: Effectiveness of Telecare in the Management of Diabetes.
 Dates: 6/1/96-6/1/98
 Awarded by: Department of Veterans Affairs; HSR&D
6. Principal Investigator
 Title: Pressure Ulcer Care in Nursing Homes: Effect of Clinical Guidelines
 Dates: 7/1/97-12/31/99
 Awarded by: Department of Veterans Affairs; HSR&D
7. Co-Investigator (PI: Rosen)
 Title: Decline in Functional Status as a Quality Indicator for Long-Term Care
 Dates: 4/1/97-3/31/00
 Awarded by: Department of Veterans Affairs; HSR&D
8. Co-Investigator (PI: Rosen)
 Title: Ambulatory Care Case-Mix Measures: Implications for VA Managed Care
 Dates: 7/1/97-9/30/00
 Awarded by: Department of Veterans Affairs; HSR&D
9. Co-Investigator (PI: Hickey)
 Title: The Veterans Hospice Care Study
 Dates: 1/1/97-3/31/98
 Awarded by: Department of Veterans Affairs; MDRC
10. Principal Investigator
 Title: Pressure Ulcer Rates in Describing Nursing Home Quality
 Dates: 4/1/98-3/31/00
 Awarded by: Agency for Health Care Policy and Research
11. Co-Investigator (PI: Rosen)
 Title: Developing Risk-Adjustment Models in Veteran's Health Status
 Dates: 7/1/99-6/30/01
 Awarded by: Department of Veterans Affairs; HSR&D
12. Principal Investigator
 Title: Developing and Implementing a Quality Measure for Glycemic Control
 Dates: 7/1/99-12/31/02
 Awarded by: Department of Veterans Affairs; HSR&D
13. Principal Investigator
 Title: Benchmarking Patterns of Care in the Pharmacologic Treatment of Major Depressive Disorder

- Dates: 7/1/99-6/30/01
Awarded by: Department of Veterans Affairs; HSR&D
14. Co-Principal Investigator
Title: Are Pressure Ulcers Preventable: A Survey of Experts
Dates: 6/1/99-5/31/00
Awarded by: The Marks Foundation
15. Principal Investigator
Title: Validating a Measure of Hypertension Care Using Administrative Data
Dates: 4/1/00 to 9/30/01
Awarded by: Department of Veterans Affairs; HSR&D
16. Co-Investigator (PI: Kressin)
Title: Variations in VA Dental Procedures
Dates: 4/1/99 to 3/31/02
Awarded by: Department of Veterans Affairs; HSR&D
17. Co-Investigator
Title: Improving Hypertension Control: A Physician Intervention
Dates: 4/1/01 to 3/31/03
Awarded by: Department of Veterans Affairs; HSR&D
18. Co-Investigator (PI: Frayne)
Title: Quality of Medical Care for Diabetics with Mental Illness
Dates: 4/1/01 to 3/31/03
Awarded by: Department of Veterans Affairs; HSR&D
19. Principal Investigator
Title: Evaluating Health Outcomes of Veterans in VA and Contract Nursing Homes
Dates: 7/1/01 to 6/30/03
Awarded by: Department of Veterans Affairs; HSR&D
20. Co-Investigator (PI: Rosen)
Title: Development and Application of Psychiatric Risk Adjustment Methods in the VA
Dates: 4/1/01 to 3/31/04
Awarded by: Department of Veterans Affairs; HSR&D
21. Co-investigator (PI: Moskowitz)
Title: Research Data Assistance Center

- Dates: 2/1/01 to 9/22/01
Awarded by: Health Care Financing Administration
22. Co-Investigator (PI: Rothendler)
Title: Medication in Chronic Heart Failure and Relationship to Quality of Life
Dates: 7/1/01 to 6/30/03
Awarded by: Department of Veterans Affairs; HSR&D
23. Co-Investigator (PI: Parker)
Title: Task Design, Motivation, and Nursing Home Quality
Dates: 10/1/01-9/30/03
Awarded by: Agency for Healthcare Research and Quality
24. Co-Investigator (PI: Miller)
Title: The Rate of Angioedema Among patients on Angiotensin Converting Enzyme Inhibitors
Dates: 10/1/01-9/30/02
Awarded by: Galt Associates
25. Principal Investigator
Title: Retrospective cohort study of carvedilol and warfarin users and risk of bleeding events
Dates: 7/1/02-6/30/03
Awarded by: Galt Associates
26. Co-Investigator (PI: Rosen)
Title: Identifying patient safety indicators from administrative data
Dates: 10/1/02 to 9/30/05
Awarded by: Department of Veterans Affairs; HSR&D
27. Principal Investigator
Title: Inappropriate prescribing of medications for older veterans
Dates: 10/1/02 to 12/31/04
Awarded by: Department of Veterans Affairs; HSR&D
28. Co-Investigator (PI: Young)
Title: Evaluation of the Rewarding Results program
Dates: 9/1/02 to 8/31/06
Awarded by: Agency for Healthcare Research and Quality
29. Principal Investigator
Title: Developing risk-adjustment models for stroke rehabilitation

- Dates: 7/1/03-12/31/05
Awarded by: Department of Veterans Affairs; Rehabilitation R&D
30. Co-Investigator (PI: Selim)
Title: Risk-adjusted mortality rates as an indicator for outpatient quality
Dates: 10/1/03-9/30/05
Awarded by: Department of Veterans Affairs; HSR&D
31. Co-Investigator (PI: Kressin)
Title: Hypertension Control and Therapy Adherence
Dates: 2/1/04-3/31/08
Awarded by: NHLBI
32. Co-Investigator (PI: Kazis)
Title: Quality of Epilepsy Care Using a Multifaceted Approach
Dates: 10/1/04-9/30/07
Awarded by: CDC
33. Co-Investigator (PI: Parmelee)
Title: Does the Minimum Data Set Reflect practice Patterns in VA Nursing Homes
Dates: 4/1/05-3/31/08
Awarded by: Department of Veterans Affairs; HSR&D
34. Co-Investigator (PI: Pugh)
Title: Effectiveness of Antiepileptic Drugs for Older Veterans
Dates: 4/1/05-9/30/07
Awarded by: Department of Veterans Affairs; HSR&D
35. Co-Investigator (PI: Saliba)
Title: Pilot Testing and Validation of Changes to the Minimum Data Set for VA Nursing Homes
Dates: 10/1/04-3/31/06
Awarded by: Department of Veterans Affairs; HSR&D
36. Principal Investigator
Title: Impact of Quality Improvement Implementation on Nursing Home Outcomes
Dates: 4/1/05-9/30/06
Awarded by: Department of Veterans Affairs; HSR&D
37. Co-Investigator (PI: Frayne)

- Title: Barriers to Diabetes Care and Mental Illness
 Dates: 5/1/05-4/30/08
 Awarded by: NIDDK
38. Co-investigator (PI: Frayne)
 Title: Stroke prevention in atrial fibrillation: impact of mental illness
 Dates: 4/1/05-3/31/09
 Awarded by: Department of Veterans Affairs; HSR&D
39. Co-Investigator (PI: Kazis)
 Title: Examining the Validity of Community Based Screening Questions for Assessing Epilepsy
 Dates: 10/1/05-9/30/07
 Awarded by: CDC
40. Co-Investigator (PI: Rothendler)
 Title: Medication Adherence: Implications of Measuring Using Administrative data
 Dates: 1/1/06-12/31/08
 Awarded by: Department of Veterans Affairs; HSR&D
41. Principal Investigator
 Title: Assessing Disparities in VA Hypertension Care
 Dates: 6/1/06-12/31/06
 Awarded by: VA Office of Quality and Performance
42. Co-Principal Investigator (with Borzecki)
 Title: Anti-Hypertensive Therapy in the Treatment of Severe Hypertension
 Dates: 7/1/06-2/31/06
 Awarded by: Bristol-Meyers-Squibb
43. Co- Investigator (PI: Horvath)
 Title: Clinical trial of a home safety intervention for Alzheimer's Disease
 Dates: 10/1/06-9/30/09
 Awarded by: Department of Veterans Affairs; HSR&D
44. Co-Investigator (PI: Pugh)
 Title: Inappropriate drug use for seniors: Should VA adopt new HEDIS measures?
 Dates: 7/1/07-6/30/10
 Awarded by: Department of Veterans Affairs; HSR&D

45. Co-Investigator (PI: Rosen)
 Title: Validating the Patient Safety Indicators in the VA: A Multi-faceted approach
 Dates: 9/1/07-8/31/11
 Awarded by: Department of Veterans Affairs; HSR&D

46. Co-Investigator (PI: Shwartz)
 Title: Identifying and Characterizing High Performing VHA Nursing Homes
 Dates: 10/1/08-9/30/10
 Awarded by: Department of Veterans Affairs; HSR&D

47. Principal Investigator
 Title: Preventing Pressure Ulcers in Hospitals
 Dates: 9/15/08-9/14/10
 Awarded by: Agency for Healthcare Research and Quality

48. Principal Investigator
 Title: Preventing Pressure Ulcers in VA Hospitals
 Dates: 10/1/09-9/30/11
 Awarded by: Department of Veterans Affairs; QUERI

49. Co-Investigator (PI: Hartmann)
 Title: Two CLCs Implementing the Green House Model: A Mixed Methods Baseline Assessment
 Dates: 6/1/10-5/31/11
 Awarded by: Department of Veterans Affairs; HSR&D

50. Co-Investigator (PI: Rose)
 Title: Organization and Management of VHA Anticoagulation Clinics
 Dates: 4/1/10-3/31/11
 Awarded by: Department of Veterans Affairs; HSR&D

51. Co-Investigator (PI: Rose)
 Title: Using Natural Language Processing to Identify Ischemic Stroke in the VHA
 Dates: 7/1/10-6/30/11
 Awarded by: Department of Veterans Affairs; QUERI

52. Co-Investigator (PI: Selim)
 Title: Facility Mortality and Quality of Care Among VA Outpatients with Diabetes
 Dates: 4/1/10-3/31/12

- Awarded by: Department of Veterans Affairs; HSR&D
53. Co-Investigator (PI: Pugh)
Title: Identifying and Validating Complex Comorbidity Clusters in OEF-OIF Veterans
Dates: 10/1/10-9/30/14
Awarded by: Department of Veterans Affairs; HSR&D
 54. Co-Principal Investigator (with Kressin)
Title: Improving Dental Decision Making for Root Canal Therapy
Dates: 9/1/10-8/31/13
Awarded by: Department of Veterans Affairs; HSR&D
 55. Co Investigator (PI: Ganz)
Title: Development of an Integrated Toolkit/Resource Guide for Falls Prevention in Hospitals
Dates: 7/1/11-12/31/12
Awarded by: Agency for Healthcare Research and Quality
 56. Co-Investigator (PI: Sullivan)
Title: Examining the Relationship of Culture Change, Adverse Events and Costs in CLCs
Dates: 7/1/12-6/30/15
Awarded by: Department of Veterans Affairs; HSR&D
 57. Co-Investigator (PI: Pugh)
Title: Restructuring Epilepsy Care: Organizational Dynamics and Quality
Dates: 5/1/12-4/30/14
Awarded by: Department of Veterans Affairs; HSR&D
 58. Co-Investigator (PI: Hartmann)
Title: The Role of Safety Culture on the Development of Pressure Ulcers
Dates: 12/1/12-11/30/13
Awarded by: Department of Veterans Affairs; QUERI
 59. Principal Investigator
Title: Veterans Affairs Older Adult Safety in Surgery
Dates: 7/1/13-6/30/14
Awarded by: Department of Veterans Affairs; HSR&D
 60. Co-Investigator (PI: Hartmann)

- Title: Developing and Implementing a Toolkit for Measuring CLC Cultural Transformation
Dates: 7/1/13-6/30/16
Awarded by: Department of Veterans Affairs; HSR&D
61. Co-Investigator (PI: Hartmann)
Title: Safety climate in CLCs: variation, predictors, and impact on resident outcomes
Dates: 01/01/2016–12/31/2018
Awarded by: Department of Veterans Affairs; HSR&D
62. Co-Investigator (PI: Hartmann)
Title: Developing a Roadmap for Best Practices in CLC Resident-Centered Care
Dates: 10/01/2015-03/31/2019
Awarded by: Department of Veterans Affairs; HSR&D
63. Co-Investigator (PI: Au)
Title: Improving safety and quality through evidence-based de-implementation of ineffective diagnostics and therapeutics
Dates: 10/01/2015-09/30/2020
Awarded by: Department of Veterans Affairs; QUERI