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

## Personal Data


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| Home Address: | 121 Old County Rd.<br>P.O. Box 6327<br>Lincoln, MA 01773 |
| Work Address: | Edith Nourse Rogers Memorial Veterans Hospital<br>200 Springs Road<br>Bedford, MA 01730 |
| Date of Birth: | January 15, 1957 |
| Citizenship: | United States |
| Telephone: | Home: (781) 259-1327<br>Work: (781) 687-2203 |
| e-mail: | dan.berlowitz@va.gov<br>dberlow@bu.edu |


## Education

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| 1974-1978 | B.A. (Biophysics)<br>The Johns Hopkins University<br>Baltimore, MD |
| 1978-1982 | M.D.<br>Albert Einstein College of Medicine<br>Bronx, NY |
| 1985-1987 | M.P.H. (Epidemiology/Biostatistics)<br>Boston University School of Public Health<br>Boston, MA |

## Post-Doctoral Training

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|---|---|
| 1982-1985 | Resident, Internal Medicine<br>University Hospital |

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| | Boston, MA |
| 1985-1987 | Fellow, General Internal Medicine<br>Mentors: Gene Stollerman, MD<br>Mark Moskowitz, MD<br>University Hospital<br>Boston, MA |

**Academic Appointments**

*Bedford VA/VISN 1 Appointments*

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|---|---|
| 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 Educuation Committee |
| 1998 | Chairman, Search Committee for Chief of Dental Service |

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| 1996-1997 | Chairman, Research and Development Committee |
| 1995-2004 | Associate Director, Center for Health Quality, Outcomes, and Economic Research<br>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<br>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*

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|---|---|
| 2020 | Professor and Chair<br>Department of Public Health<br>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<br>Boston University School of Medicine |

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

**Educational Appointments**

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

**Clinical Appointments**

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|---|---|
| 1998-present | Attending Physician<br>Boston VA Medical Center |

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| 1988-1995 | Attending Physician<br>Boston University Medical Center |
| 1987-present | Attending Physician<br>Edith Nourse Rogers Memorial Veterans Hospital |
| 1989-1993<br>1985-1987 | Attending Physician<br>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**

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|---|---|
| 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:

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| Emerging evidence on pay-for-performance | 2006 |

**Honors and Awards**

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| Under Secretary's Award for Outstanding Achievement in Health Services Research | 2015 |
| HSR&D Career Development Award | 1992 |

**National/International Panels**

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| 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/Gainseville 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 |

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| 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<br>Chair; Aging/Long-term care review panel | 2003-2015<br>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<br>(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**

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

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

**Mentoring Career Development Awardees**

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

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| 2011-2013 | Alok Kapoor, MD<br>1º Mentor; NIA RO3/GEMSTAR Award |
| 2014-present | Varsha Vimalananda, MD<br>1º Mentor; VISN 1 CDA; VA HSR&D CDA |
| 2016-present | Guneet Jasuja, PhD<br>2º 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, Sigaudo-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/1pI_1ZIlKUE5m/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 peceptions. 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 Care1998; 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, Furmaga 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 enrolles 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.

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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: 9/1/07-8/310/11
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