

**Lisa Ramos**

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**From:** Chad Boulton <chad.e.boulton@gmail.com>  
**Sent:** Tuesday, October 23, 2018 2:28 PM  
**To:** Lisa Ramos  
**Subject:** Nomination for Distinguished Alumni Award  
**Attachments:** Boulton bio WSU 2018.docx; Boulton CV 2018 10 21.docx

Attached is a letter and CV that nominate Dr. Charles (Chad) Boulton as a candidate for the WSU SOM Medical Alumni Association's 2019 Distinguished Alumni Award. Please confirm receipt and estimate when the recipient of this award will be determined. Thank you.

## Nomination for the 2019 Distinguished Alumni Award

Chad Boulton, MD, MPH, MBA, graduated from Wayne State School of Medicine in 1974. He completed an internship in Internal Medicine at "Old Grace Hospital" in the Detroit Medical Center, where he was selected by his fellow interns as Grace's "Intern of the Year." He then completed a residency in Family Medicine at the University of Vermont and began the full-time practice of Emergency Medicine, becoming board-certified in both specialties. Later he also became board-certified in Geriatric Medicine. He has devoted the last 45 years to *improving the quality of life for people who have multiple chronic conditions and complex health care needs*.

His academic career began in 1981 at the rank of Assistant Clinical Professor of Family Medicine at Case Western Reserve School of Medicine and went on to include progressively senior medical school appointments at the University of California San Diego (UCSD), the University of Minnesota (U of MN) and Johns Hopkins University (JHU), where he was an endowed Professor of Public Health and Medicine and the director of a health services research center from 2001-2012.

- As a medical educator, he taught and mentored thousands of students, residents and practicing physicians, and he served as a residency director (at UCSD), a geriatrics fellowship director (at UCSD and U of MN) and a classroom course director (at JHU).
- As a researcher, he obtained competitive grants from the NIH, the AHRQ and numerous foundations to lead teams in developing, field-testing and evaluating new models of comprehensive health care for patients with chronic illnesses. His team-based "Guided Care" model of primary care succeeded in improving the quality of care for chronically ill older patients. From his research, he has published two books, 20 book chapters, and 90 articles in peer-reviewed scientific journals, such as the *Journal of General Internal Medicine*, the *Archives of Internal Medicine*, the *New England Journal of Medicine*, the *Journal of the American Medical Association*, the *Annals of Internal Medicine*, the *Annals of Family Medicine*, and the *Journals of Gerontology*. He has also published 31 articles and served as the editor of the "Models and Systems of Care" section of the *Journal of the American Geriatrics Society*. His research has been recognized by six American awards:
  - The "Excellence in Research Award," American Geriatrics Society, 2000
  - "First Runner-Up, Research Presentations," American Academy of Family Physicians Scientific Assembly, 2007
  - The "David H. Solomon Geriatrics Leadership Award," UCLA, 2008
  - The "Excellence in Program Innovation," American Public Health Association, 2008
  - The "Medical Economics Award for Innovation in Practice Improvement," American Academy of Family Physicians, 2009
  - "Distinguished Professorship," Academic Geriatric Resource Center, UCLA, 2011Internationally, he has made invited presentations about his research results in 15 countries, capped by a keynote address at the 2009 World Health Summit in Berlin, Germany.

For the past twenty-five years, Dr. Boulton has provided healthcare consultative services to dozens of healthcare organizations in the U.S. and around the world. During 2009-2011, he served as a "Health and Aging Policy Fellow" and then as a "Senior Advisor for Geriatrics and Long-Term Care" at the Centers for Medicare & Medicaid Services (CMS). From 2012-2013, he directed the "Improving Healthcare Systems" program of the Patient-Centered Outcomes Research Institute (PCORI). He is now the originator and medical director for geriatrics and palliative care services in a large healthcare system in Idaho and Oregon, where he is working to create new residency and medical student education programs.

# CURRICULUM VITAE

Charles E. (Chad) Boulton, MD, MPH, MBA

## ADDRESS

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## EDUCATION AND TRAINING

### *Degrees*

H.S.	1966	Sault Ste. Marie High School (Michigan)
B.A.	1970	Albion College (Michigan)
M.D.	1974	Wayne State University School of Medicine (Michigan)
M.P.H.	1989	University of Minnesota School of Public Health / Epidemiology
M.B.A.	2000	University of Minnesota Carlson School of Management

### *Postdoctoral Training*

Internship in internal medicine, Grace Hospital, Detroit, MI, 1974-1975  
Residency in family practice, University of Vermont, Burlington, VT, 1975-1978  
Fellowship in research methods, University of Minnesota, Minneapolis, MN, 1987-1989  
Fellowship in clinical geriatrics, Brown University, Providence, RI, 1989-1990  
Fellowship in educational methods, Minnesota Area Geriatrics Educational Center (MAGEC),  
University of Minnesota, Minneapolis, MN, 1988-1989, 1990-1991  
Health and Aging Policy Fellowship, Columbia University, New York, NY, 2009-2010

### *Medical Licensure*

Idaho Physician and Surgeon, License Number M13173; expires 6-30-2019

### *Medical Board Certification*

Diplomate, American Board of Family Practice, 1979; re-certified 1986, 1993, 2000, 2007, 2016  
Certificate of Additional Qualification in Geriatric Medicine, 1988; re-certified 1998, 2008  
Diplomate, American Board of Emergency Medicine, 1982

## HONORS AND AWARDS

### *Honors*

Valedictorian of high school class, 1966  
Phi Beta Kappa, 1970  
Magna Cum Laude, Albion College, 1970  
Intern of the Year, 1974-75  
Phi Kappa Phi (national graduate school honor society), 1989

### *Awards*

Excellence in Research award, American Geriatrics Society, 2000  
First Runner-Up, Research Presentations, American Academy of Family Physicians Scientific Assembly, 2007  
David H. Solomon Geriatrics Leadership Award, UCLA, 2008  
Excellence in Program Innovation (Guided Care), American Public Health Association, 2008  
Medical Economics Award for Innovation in Practice Improvement (Guided Care), American Academy of Family Physicians, 2009  
Distinguished Professorship, Academic Geriatric Resource Center, UCLA, 2011

## **PROFESSIONAL POSITIONS**

### *Academic Appointments*

Visiting Professor, March-April 2012, Department of Social and Preventive Medicine, University of Otago, Dunedin, New Zealand  
Senior Advisor, 2010-2011, Center for Medicare and Medicaid Innovation, Centers for Medicare and Medicaid Services, U.S. Department of Health and Human Services  
Professor, 2001-2012, Department of Health Policy and Management, Bloomberg School of Public Health (with Joint Appointments in the Schools of Nursing and Medicine), Johns Hopkins University  
Professor, 2000-2001, Departments of Family Practice and Community Health and Medicine, University of Minnesota Medical School  
Adjunct Associate Professor, 1996-2001, Institute for Health Services Research, School of Public Health, University of Minnesota  
Associate member, faculty, 1996-2001, Division of Epidemiology, School of Public Health, University of Minnesota  
Associate Professor, 1995-2000, Department of Family Practice and Community Health, University of Minnesota Medical School  
Examining member, 1994-2001, Graduate Minor Program in Gerontology, University of Minnesota Graduate School  
Assistant Professor, 1990-2000, Department of Family Practice and Community Health, University of Minnesota Medical School  
Assistant Professor, 1985-1987, Department of Community and Family Medicine, University of California San Diego Medical School  
Assistant Clinical Professor, 1981-1985, Department of Family Medicine, Case Western Reserve University

### *Leadership Positions*

Medical Director: Geriatrics and Palliative Care services, Saint Alphonsus Healthcare System, 2015 – present  
International healthcare improvement consultant, full-time 2014-2015  
Director, Improving Healthcare Systems program, Patient-Centered Outcomes Research Institute, 2012-2013  
Director, Lipitz Center for Integrated Health Care, Department of Health Policy and Management, Bloomberg School of Public Health, Johns Hopkins University, 2001-2010

Director, Health Services Research, Division of Geriatric Medicine and Gerontology, Department of Medicine, School of Medicine, Johns Hopkins University, 2003-2006  
 Director, Aging and Geriatric Medicine program, University of Minnesota Medical School, 2000-2001  
 Co-director, Office of Primary Care, University of Minnesota Medical School, 1997-1998  
 Co-director for outreach and training, Research Data Assistance Center (HCFA), University of Minnesota, 1996-1998  
 Research director, Center on Aging, University of Minnesota, 1995-1998  
 Medical director, Geriatric Evaluation and Management (GEM) Program, Department of Family Practice and Community Health, University of Minnesota Medical School, 1993-1996  
 Medical director, geriatrics clinic, University of Minnesota Hospital and Clinic and Department of Family Practice and Community Health, University of Minnesota Medical School, 1991-1993  
 Director, geriatrics fellowship, UCSD School of Medicine, 1986-1987  
 Director, family practice residency and Family Medical Center, UCSD School of Medicine, 1985-1987  
 Associate director, family practice residency, Case Western Reserve University School of Medicine (Fairview General Hospital), 1982-1985

*Private Consultations*

International:

- Italy
- United Kingdom
- Mexico
- Spain
- Canada
- Germany
- Israel
- Singapore
- Switzerland
- New Zealand
- Netherlands
- Denmark
- China
- Australia
- South Korea

United States:

- Patient-Centered Outcomes Research Institute (PCORI)
- National Transitions of Care Collaborative (NTOCC)
- SCAN Health Plan
- Kaiser Permanente
- National Institute on Aging
- United HealthCare
- Blue Cross Blue Shield Association of America
- American Geriatrics Society

- Institute for Healthcare Improvement (IHI)
- Department of Veterans Affairs, Health Services Research and Development Service
- Social HMO II Project (HCFA)
- Nutritional Screening Initiative
- National Association of Directors of Nursing Administration
- Commonwealth Fund, New York, NY
- Scripps Clinic, La Jolla, CA
- State University of New York at Buffalo, Buffalo, NY
- University of Puerto Rico, San Juan, PR
- Albert Einstein Medical Center, Philadelphia, PA
- Independence Blue Cross, Philadelphia, PA
- Blue Cross of California
- Sierra Health Services, Reno, NV
- Blue Shield of California
- Jewish Family and Children's Services, San Francisco, CA
- Metropolitan Jewish Health Care Services, Brooklyn, NY
- Metropolitan Health Plan, Minneapolis, MN
- California Pacific Medical Services Organization, San Francisco, CA
- Group Health Cooperative of Puget Sound, Seattle, WA
- Hennepin County Department of Human Services, Minneapolis, Minnesota
- UCare Minnesota, Minneapolis, MN
- Cigna HealthCare, Oakland, CA

## **OTHER PROFESSIONAL ACTIVITIES**

### *Society Memberships*

AcademyHealth

Delta Omega Honorary Society

American Academy of Family Physicians

American Public Health Association (APHA)

Gerontological Health Section, Councilor

American Geriatrics Society (AGS)

Health Care Systems Committee, 1998-1999, 2001-2006

Representative, Association of Directors of Geriatric Academic Programs, 2005-2006

Clinical Practice Committee, 1995-1999

Public Policy Committee, 1988-1991

Gerontological Society of America (GSA)

Epidemiology Interest Group

American College of Physician Executives (ACPE)

Minnesota Medical Association (MMA)

Minority Affairs Committee, 2001

Committee on Ethics and Medical-Legal Affairs, 1997-2000

Public Health Committee, 1996-1997

Ramsey Medical Society (RMS)  
Professionalism and Ethics Council, Chair, 1997-1999  
Board of Directors, 1996-1999  
Community Relations Committee, 1994-1997

Minnesota Gerontological Society  
Research, Education and Practice Committee, 1991-1999

Society of Teachers of Family Medicine (STFM)  
Working Group on Cost-Effectiveness, 1985-1987

#### *Participation on Advisory Panels*

Case Management Society of America, National Transitions of Care Coalition to improve the quality of care between health care settings, 2006-2012

California Health Care Foundation, development of strategy for funding efforts to improve the health care of older people, 2000-2005

Geriatric Research, Education and Clinical Center (GRECC), Veterans Administration Medical Center, Minneapolis, MN, strategic planning, 2000-2001

Robert Wood Johnson Foundation, development of initiatives for improving systems of health care for chronically ill people, 1998-1999

Rand Corporation, development of adult global quality assessment tools for managed care, 1997

National Institute on Aging / National Center for Health Statistics, development of the Longitudinal Study of Aging II, 1996

Allina Health System, Minneapolis, MN, development of strategic plan for geriatrics, 1996

Robert Wood Johnson Foundation / American Association of Health Plans, development of technology and guidelines for case management in Medicare HMOs, 1995-1997

Robert Wood Johnson Foundation and the State of Minnesota's Department of Human Services, development of the Minnesota Senior Health Options (formerly Long-Term Care Options) Project to integrate funding and delivery of acute and long-term care, 1994-1996

Agency for Health Care Policy and Research, Special Emphasis Panels, 1994-1995

National Institute on Aging, development of funding priorities to support research on promoting functional independence in older persons, 1994

#### *Inventions*

Developed (1992) and validated the Pra™, a questionnaire for identifying members of older populations who are at high risk for hospital admission in the future. The Pra™ is widely used by Medicare Advantage plans.

Developed (1995) the ElderHealth Answers™, a software package for managing and scoring data collected using the Pra.™

Developed (1996) the PraPlus Questionnaire and Telephone Survey™, an expanded instrument for identifying members of older populations who are at high risk for hospital admission in the future. More than 250 health care organizations have licensed the PraPlus™ for use in their screening activities.

#### *Testimony*

Minnesota Senate, 2001

Minnesota House of Representatives, 2001

## **EDITORIAL ACTIVITIES**

### *Peer Review Activities*

Review of manuscripts for scientific journals:

The New England Journal of Medicine  
The Journal of Applied Gerontology  
Health Affairs  
Geriatric Nursing  
Annals of Internal Medicine  
Critical Reviews in Oncology and Hematology  
Medical Care  
International Journal of Aging and Human Development  
The Journal of Gerontology: Social Sciences  
The Journal of Health Care for the Poor and Underserved  
The American Journal of Public Health  
The Journal of General Internal Medicine  
The Milbank Quarterly  
Pharmacoeconomics  
The American Journal of Managed Care  
Health Services Research  
The Journals of Gerontology: Medical Sciences  
The Archives of Family Medicine  
The Archives of Internal Medicine  
The Journal of the American Medical Association  
The Journal of Aging and Health  
The Journal of the American Geriatrics Society  
The Gerontologist

### *Study Sections*

Loan Repayment Program, National Institute on Aging, 2006-  
Beeson-K Award Special Emphasis Panel, National Institute on Aging, 2004-2005  
Special Emphasis Panel, National Institute on Aging, 2003-2004  
Health Systems Research Study Section, Agency for Healthcare Research and Quality, 2002-2004  
Special Emphasis Panels, Agency for Health Care Policy and Research, 1994-1995

### *Editorships*

Editor, "Models and Systems of Geriatric Care" section, Journal of the American Geriatrics Society, 2002-2005  
Editor, "Models of Care" series, Journal of the American Geriatrics Society, 2000-2002

### *Editorial Board Membership*

Member, Editorial Board, Journal of the American Geriatrics Society, 1998-2006

### *Ad Hoc Review of Grant Proposals*

The Canada Foundation for Innovation, 2006  
The Langeloth Foundation, 2003-2004  
The Wellcome Trust, 2000



The UCare Foundation, 2000-2001  
The California Health Care Foundation, 1999-2003  
The American Federation for Aging Research (AFAR), 1995  
The Allegheny-Singer Research Institute, 1994  
The Robert Wood Johnson Foundation (RWJF), 1993-1999  
The American Academy of Family Physicians Grant Awards Program, 1992-1998

## PUBLICATIONS

### *Journal Articles*

1. Reuben DB, Gazarian PhD, Alexander N, Araujo K, Baker D, Bean, JF, **Boult C**, et al. The STRIDE Intervention: Falls Risk Factor Management, Patient Engagement and Nurse Co-management. *J Am Geriatr Soc* 2017;65(12):2733-2739.
2. Boyd CM, Giovannetti ER, **Boult C** et al. Health care task difficulty among older adults with multimorbidity. *Med Care* 2014;52 Suppl 3:S118-25.
3. Lazarus G, Valle F, Malas M, Qazi U, Maruthur N, Zenilman J, **Boult C** et al. Chronic venous leg ulcer treatment: Future research needs. *AHRQ Future Research Needs Papers* 2013.
4. Stein E, Clarke JO, Hutfless S, **Boult C** et al. Wireless motility capsule versus other diagnostic technologies for evaluating gastroparesis and constipation: Future research needs. *AHRQ Future Research Needs Papers* 2013.
5. Gudzone KA, Lau BD, Hutfless S, **Boult C**, Segal JB. Strategies to prevent weight gain in adults: Future research needs. *AHRQ Future Research Needs Papers* 2013.
6. Wu Y, Lau BD, Bleich S, Cheskin L, **Boult C** et al. Future research needs for childhood obesity prevention programs. *AHRQ Future Research Needs Papers* 2013.
7. Giovannetti ER, Reider L, Wolff JL, Frick KD, **Boult C**, Steinwachs D, Boyd CM. Do older patients and their family caregivers agree about the quality of chronic illness care? *Int J Qual Health Care* 2013;25(5):515-24.
8. Marsteller JA, Hsu YJ, Wen M, Wolff J, Frick K, Reider L, Scharfstein D, Boyd C, Leff B, Schwartz L, Karm L, **Boult C**. Effects of Guided Care on providers' satisfaction with care: A three-year matched-pair cluster-randomized trial. *Popul Health Manag* 2013,16(5):317-25.
9. **Boult C**, Leff B, Boyd CM, Wolff JL, Marsteller JA, Frick KD, Wegener S, Reider L, Frey K, Mroz TM, Karm L, Scharfstein DO. A matched-pair cluster-randomized trial of Guided Care for high-risk older patients. *J Gen Intern Med* 2013;28(5):612-621.
10. Dattalo M, Giovannetti D, Scharfstein DO, **Boult C**, Wegener S, Wolff JL, Leff B, Frick, K, Reider L, Frey K, Noronha G, Boyd CM. Who participates in chronic disease self-management (CDSM) programs? CDSM participants and non-participants in a population of multi-morbid older adults. *Med Care* 2012;50(12):1071-5.
11. Giovannetti ER, Wolff JL, Xue Q, Weiss CO, Leff B, **Boult C**, Hughes T, Boyd CM. Difficulty assisting with health care tasks among caregivers of multi-morbid older adults. *J Gen Intern Med* 2012 Jan;27(1):37-44.
12. **Boult C**, Reider L, Leff B, Frick KD, Boyd CM, Wolff JL, Frey K, Karm L, Wegener ST, Mroz T, Scharfstein DO. The effect of Guided Care teams on the use of health services: results from a cluster-randomized trial. *Arch Intern Med* 2011;171(5):460-466.
13. Skolasky RL, Green AF, Reider L, Scharfstein D, **Boult C**, Wegener ST. Psychometric

- properties of the Patient Activation Measure among multi-morbid older adults. *Health Serv Res* 2011;46(2):457-478.
14. **Boult C**, Wieland GD. Comprehensive primary care for older patients with multiple chronic conditions. *JAMA* 2010;304(17):1936-1943.
  15. Marsteller J, Hsu Y-J, Reider L, Frey K, Wolff J, Boyd C, Leff B, Karm L, Scharfstein D, **Boult C**. Physician satisfaction with chronic care: a randomized trial of Guided Care. *Ann Fam Med* 2010;8:305-315.
  16. **Boult C**, Counsell SR, Leipzig RM, Berenson RA. The urgency of preparing primary care physicians to care for older people with chronic illnesses. *Health Affairs* 2010;29(5):811-818.
  17. Arbaje AI, Maron DD, Yu Q, Wendel VI, Tanner E, **Boult C**, Durso SC. The Geriatric Floating Interdisciplinary Transition Team. *J Am Geriatr Soc* 2010;58(2):364-70.
  18. Boyd CM, Reider L, Frey K, Scharfstein D, Leff B, Wolff J, Groves C, Karm L, Wegener S, Marsteller J, **Boult C**. The Effects of Guided Care on the Perceived Quality of Health Care for Multi-morbid Older Persons: 18-Month Outcomes from a Cluster-Randomized Controlled Trial. *J Gen Intern Med* 2010;25(3):235-242.
  19. Stock S, Tebest R, Reider L, **Boult C**. The challenge of dementia: a framework for the modeling of future care structures. *Monitor Versorgungsforschung* 2010;1:25-30.
  20. Rand-Giovannetti E, Wolff JL, Frick K, **Boult C**. Construct validity of the Work Productivity and Activity Impairment Questionnaire across informal caregivers of chronically ill older patients. *Value in Health* 2009;12(6):1011-7.
  21. **Boult C**, Green AF, Boult LB, Pacala JT, Snyder C, Leff B. Successful models of comprehensive care for older adults with chronic conditions: evidence for the Institute of Medicine's "Retooling for an Aging America" report. *J Am Geriatr Soc* 2009;57(12):2328-2337.
  22. Giddens JF, Tanner E, Frey K, Reider L, **Boult C**. Expanding the Gerontological Nursing Role in Guided Care. *Geriatric Nursing* 2009;30(5):358-364.
  23. Wolff JL, Giovannetti ER, Boyd CM, Reider L, Palmer S, Scharfstein D, Marsteller J, Wegener S, Frey K, Leff B, **Boult C**. Effects of Guided Care on family caregivers. *Gerontologist* 2010;50(4):459-470.
  24. Young Y, Fan MY, Hebel JR, **Boult C**. Concurrent validity of administering the Functional Independence Measure (FIM™) instrument by interview. *Am J Phys Med Rehabil* 2009;88(9):766-70.
  25. Leff B, Reider L, Frick KD, Scharfstein D, Boyd CM, Frey K, Karm L, **Boult C**. "Guided Care" and the cost of complex health care. *Am J Manag Care* 2009;15(8):555-559.
  26. Wolff JL, Rand-Giovannetti E, Palmer S, Wegener S, Reider L, Frey K, **Boult C**. Caregiving and chronic care: the Guided Care program for families and friends. *J Gerontol Med Sci* 2009; 64A(7):785-791.
  27. Famadas JC, Frick KD, Haydar ZR, Nicewander D, Ballard D, **Boult C**. The effects of interdisciplinary outpatient geriatrics on the use, costs, and quality of health services in the fee-for-service environment. *Aging Clin Exp Res* 2008;20(6):556-561.
  28. Arbaje AI, Wolff JL, Yu Q, Powe NR, Anderson GF, **Boult CE**. Post-discharge environmental and socioeconomic factors and the likelihood of early hospital readmission among community-dwelling Medicare beneficiaries. *Gerontologist* 2008;48(4):495-504.
  29. **Boult C**, Christmas C, Durso SC, Leff B, Boult L, Fried LP. Transforming chronic care for older persons. *Acad Med* 2008;83(7):627-631.

30. Aliotta S, Grieve K, Giddens JF, Dunbar L, Groves C, Frey K, **Boult C**. Guided Care: a new frontier for adults with chronic conditions. *Prof Case Manag* 2008;13(3):151-158.
31. Conwell L, **Boult C**. The effects of complications and comorbidities on the quality of preventive diabetes care: a literature review. *Population Health Manag* 2008;11(4):217-228.
32. Hsiao CJ, **Boult C**. The effects of quality on outcomes in primary care: a review of the literature. *Am J Med Quality* 2008;23(4):302-310.
33. Boyd CM, Shadmi E, Conwell LJ, Griswold M, Leff B, Brager R, Sylvia M, **Boult C**. A pilot test of the effect of Guided Care on the quality of primary care experiences for multi-morbid older adults. *J Gen Intern Med*. 2008;23(5):536-42.
34. **Boult C**, Reider L, Frey K, Leff B, Boyd C, Wegener S, Marsteller J, Karm L, Scharfstein D. Early effects of Guided Care on the quality of health care for multimorbid older persons: a cluster-randomized controlled trial. *J Gerontol Med Sci* 2008;63A(3):321-27.
35. Sylvia ML, Griswold M, Dunbar L, Park M, **Boult C**. Guided Care: cost and utilization outcomes in a pilot study. *Disease Manag* 2008;11(1):29-36.
36. Boyd CM, **Boult C**, Shadmi E, Leff B, Brager R, Dunbar L, Wolff JL. Guided Care for multi-morbid older adults. *Gerontologist* 2007;47(5):697-704.
37. McNabney MK, Wolff JL, Semanick LM, **Boult C**, Kasper J. Care needs of high-functioning nursing home residents. *J Am Med Dir Assoc* 2007;8(6):409-412.
38. Wagner JT, Bachmann LM, **Boult C**, Harari D, von Renteln-Kruse W, Egger M, Beck JC, Stuck AE. Predicting the risk of hospital admission in older persons – validation of a brief self-administered questionnaire in three European countries. *J Am Geriatr Soc* 2006;54(8):1271-1276. (Winner of the 2006 Rolf und Hubertine Schiffbauer-Forschungsförderungspreis der Deutschen Gesellschaft für Geriatrie)
39. Sylvia ML, Shadmi E, Hsiao C-J, Boyd CM, Schuster AB, **Boult C**. Clinical features of high-risk older persons identified by predictive modeling. *Disease Management* 2006;9(1):56-62.
40. Shadmi E, Boyd CM, Hsiao C-J, Sylvia M, Schuster AB, **Boult C**. Morbidity and older persons' perceptions of the quality of their primary care. *J Am Geriatr Soc* 2006;54(2):330-334.
41. Pacala JT, **Boult C**, Hepburn K. Ten years' experience conducting the Aging Game workshop: was it worth it? *J Am Geriatr Soc* 2006;54(1):144-149.
42. Wolff JL, **Boult C**. Moving beyond round pegs and square holes: restructuring Medicare to improve chronic care. *Ann Intern Med* 2005;143(6):439-445.
43. Boyd CM, Darer J, **Boult C**, Fried LP, Boult L, Wu A. Clinical practice guidelines and quality of care for older patients with multiple comorbid diseases. *JAMA* 2005;294(6):716-724.
44. American Geriatrics Society Task Force on the Future of Geriatric Medicine (member). Caring for older Americans: the future of geriatric medicine. *J Am Geriatr Soc* 2005;53:S1-S12.
45. Wolff JL, **Boult C**, Boyd C, Anderson G. Newly reported chronic conditions and onset of functional dependency. *J Am Geriatr Soc* 2005;53(5):851-5..
46. Spiers NA, Matthews RJ, Jagger C, Matthews FE, **Boult C**, Robinson TG, Brayne C. Diseases and impairments as risk factors for onset of disability in the older population in England and Wales: findings from the MRC cognitive function and ageing study. *J Geront* 2005;60(2):248-54.

47. Finucane TE, **Boult CE**. Association of funding and findings of pharmaceutical research at a meeting of a medical professional society. *Am J Med* 2004;117(11):842-845.
48. Goodlin S, **Boult C**, Bubolz T, Chiang L. Who will need long-term care? Creation and validation of a new screening instrument. *Disease Management* 2004;7(4):267-274.
49. Fillenbaum GG, Hanlon JT, Landerman LR, Artz MB, O'Connor H, Dowd B, Gross CR, **Boult C**, Garrard J, Schmader KE. Impact of inappropriate drug use on health services utilization among representative community dwelling elders. *American Journal of Geriatric Pharmacotherapy* 2004;2(2):92-101.
50. **Boult C**, Urdangarin C, Kessler J, Boult L, Yedidia P. Identifying workers at risk for high health care expenditures: a short questionnaire. *Disease Management* 2004;7(2):124-135.
51. Pacala JT, **Boult C**, Urdangarin C, McCaffrey D. Using self-reported data to predict expenditures for the health care of older people. *J Am Geriatr Soc* 2003; 51(5):609-614.
52. Coleman EA, **Boult C**. Improving the quality of transitional care for persons with complex care needs. *J Am Geriatr Soc* 2003;51(4):556-557.
53. **Boult C**, Coleman EA. Diffusing our innovations. *J Am Geriatr Soc* 2003;51(1):127-128.
54. Hanlon JT, Fillenbaum GG, Kuchibhatla M, Artz MB, **Boult C**, Gross CR, Garrard J, Schmader KE. Impact of inappropriate drug use on mortality and decline in functional status in representative community dwelling elders. *Med Care* 2002;40(2):166-176.
55. Hanlon JT, Schmader KE, **Boult C**, Gross CR, Fillenbaum GG, Ruby CM, Garrard J. Use of inappropriate prescription drugs by older people. *J Am Geriatr Soc* 2002;50(1):26-34.
56. **Boult C**, Boult L, Morishita L, Dowd B, Kane RL, Urdangarin C. Randomized trial of outpatient geriatric evaluation and management. *J Am Geriatr Soc* 2001;49(4):351-359.
57. **Boult C**, Kane RL, Brown R. Managed care of chronically ill older people: the U.S. experience. *British Medical Journal* 2000;321:1011-1014.
58. **Boult C**, Rassen J, Rassen A, Moore RJ, Robison S. The effect of case management on the costs of health care for enrollees in Medicare Plus Choice plans: a randomized trial. *J Am Geriatr Soc* 2000;48(8):996-1001.
59. Weuve J, **Boult C**, Morishita L. The effects of outpatient geriatric evaluation and management on caregiver burden. *Gerontologist* 2000;40(4):429-436.
60. **Boult C**, Kane RL, Pacala JT, Wagner EH. Innovative health care for chronically ill older persons: results of a national survey. *American Journal of Managed Care* 1999;5(9):1162-1172.
61. **Boult C**, Flood C, Krinke B, Skarin V. Validity of nutritional status as a marker for future disability and depressive symptoms among high-risk adults. *J Am Geriatr Soc* 1999;47(8):995-999.
62. **Boult C**. Long-term care in its infancy. *J Am Geriatr Soc* 1999;47(2):250-251.
63. **Boult C**, Pacala JT. Integrating health care for older populations. *American Journal of Managed Care* 1999;5(1):45-52.
64. **Boult C**, Pualwan TF, Fox PD, Pacala JT. Identification and assessment of high-risk seniors. *American Journal of Managed Care* 1998;4(8):1137-1146.
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66. Morishita L, **Boult C**, Boult L, Smith S, Pacala JT. Satisfaction with outpatient geriatric evaluation and management (GEM). *Gerontologist* 1998;38(3):303-308.
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68. **Boult C**, Boult L, Pacala JT. Systems of care for older populations of the future. *J Am Geriatr Soc* 1998;46(4):499-505.
69. Aliotta S, **Boult C**, Butin D et al. Essential processes of geriatric care provided through health maintenance organizations. *J Am Geriatr Soc* 1998;46(3):303-308.
70. **Boult C**, Boult L, Morishita L, Smith SL, Kane RL. Outpatient geriatric evaluation and management. *J Am Geriatr Soc* 1998;46(3):296-302.
71. **Boult C**, Brummel-Smith K. Post-stroke rehabilitation guidelines. *J Am Geriatr Soc* 1997;45(7):881-883.
72. Pacala JT, **Boult C**, Reed RL, Aliberti E. Predictive validity of the Pra instrument in screening older HMO enrollees. *J Am Geriatr Soc* 1997;45(5):614-617.
73. **Boult C**, Altmann M, Gilbertson D, Yu C, Kane RL. Disability in the 21st century: future effects of controlling fatal and non-fatal disease. *Am J Public Health* 1996; 86:1388-1393.
74. Pacala JT, **Boult C**. Factors influencing the effectiveness of case management in managed care organizations: a qualitative analysis. *J Case Management* 1996; 2(3):29-35.
75. Pacala JT, Judge JO, **Boult C**. Factors affecting sample selection in a randomized trial of balance enhancement: the FICSIT study. *J Am Geriatric Soc* 1996; 44:377-382.
76. **Boult C**, Pacala JT, Boult L. Targeting elders for geriatric evaluation and management: reliability, predictive validity and practicality of a questionnaire. *Aging: Clinical and Experimental Research* 1995; 7(3):159-164.
77. Pacala JT, **Boult C**, Bland C, O'Brien J. The "Aging Game" improves medical students' attitudes toward caring for elders. *Gerontol Geriatr Educ* 1995; 15(4):45-57.
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86. Boult L, **Boult C**, Pirie P, Pacala J. Test-retest reliability of a questionnaire that identifies elders at risk for hospital admission. *J Am Geriatr Soc* 1994; 42:707-711.
87. **Boult C**, Dowd B, McCaffrey D, Boult L, Hernandez R, Krulewicz H. Screening elders for risk of hospital admission. *J Am Geriatr Soc* 1993; 41:811-817.
88. **Boult CE**, Kane RL, Louis TA, Ibrahim JG. Forecasting the number of future disabled elderly using Markovian and mathematical models. *J Clin Epid* 1991; 44(9):973-980.
89. **Boult CE**, Murphy J, Sloane P, Mor V, Drone C. The relation of dizziness to functional

decline. *J Am Geriatr Soc* 1991; 39(9):858-861.

90. **Boult CE**. The effect of lifestyle on subsequent well-being during old age: a research frontier for family medicine. *Fam Pract Res J* 1989; 9(1):9-10.

#### *Book Review*

**Boult C**. *Medicare Matters: What Geriatric Medicine Can Teach American Health Care*. *New Engl J Med* 2006;354(25):2736-2737.

#### *Books*

**Boult C**, Giddens J, Frey K, Reider L, Novak T. *Guided Care: a New Nurse-Physician Partnership in Chronic Care*. New York: Springer 2009.

Calkins E, **Boult C**, Wagner E, Pacala JT. *New Ways to Care for Older People: Building Systems Based on Evidence*. New York: Springer 1998.

#### *Monographs*

1. Wu Y, Lau BD, Bleich S, Cheskin L, **Boult C**, Segal JB, Wang Y. Future Research Needs for Childhood Obesity Prevention Programs: Identification of Future Research Needs From Comparative Effectiveness Review No. 115 [Internet]. Rockville (MD): Agency for Healthcare Research and Quality (US); 2013 Jun.
2. Gudzone KA, Lau BD, Hutfless S, **Boult C**, Segal JB. Strategies to prevent weight gain in adults: future research needs. Prepared under Contract No. 290-2007-10061-I for the Agency for Healthcare Research and Quality. AHRQ Publication No. 13-EHC083-EF, June 2013.
3. Stein E, Clarke JO, Hutfless S, **Boult C**, Doggett D, Fawole OA, Bass EB. Wireless Motility Capsule Versus Other Diagnostic Technologies for Evaluating Gastroparesis and Constipation: Future Research Needs: Identification of Future Research Needs From Comparative Effectiveness Review No. 110 [Internet]. Rockville (MD): Agency for Healthcare Research and Quality (US); 2013 May.
4. **Boult C**, Murphy EK. New models of comprehensive health care for people with chronic conditions. Commissioned background paper for the Institute of Medicine/National Academy of Sciences' 2012 report: Living well with chronic illness: A call for public health action.
5. **Boult C**. Protecting medically vulnerable older Americans. Commissioned background paper for the New America Foundation's 2009 report: Making Medicare Sustainable.
6. **Boult C**, Green A, Boult L, Pacala JT, Snyder C, Leff B. Successful models of comprehensive health care for multi-morbid older persons: a review of effects on health and health care. Commissioned background paper for the Institute of Medicine/National Academy of Sciences' 2008 report: Retooling for an Aging America: Building the Health Care Workforce.
7. **Boult C**, Rubenstein LZ, Fitzpatrick L, Sharp-McHenry L, McClung BL, Schleue-Warden JC. Guidelines for the prevention of osteoporotic fractures in long-term care facilities. National Association of Directors of Nursing Administration in Long-Term Care. 1998.
8. **Boult C**. The prospective care of older populations. Proceeding of the 34th Annual Meeting of the Society of Prospective Medicine, pp. 8-18, Newport, RI, October 1998.
9. Aliotta S, **Boult C**, Butin D et al. Planning care for high-risk Medicare HMO members. Final report of a study conducted with support of the Robert Wood Johnson Foundation and the American Association of Health Plans. 1997.
10. Pacala JT, **Boult C**. Screening older populations. Manual for identifying high-risk members of older populations. 1996.

11. **Boult C**, Pacala JT, Bell J et al. PraPlus screening instrument: a guide to identifying Medicare seniors at risk for hospitalization. Blue Cross Blue Shield Association's National Council on Medical Management. 1996.
12. Aliberti E, Aliotta S, **Boult C** et al. Identifying high-risk Medicare members: a report from the HMO work group on care management. Final report of a study conducted with support of the Robert Wood Johnson Foundation and the American Association of Health Plans. 1996.
13. **Boult C**, Boult L, Pacala JT. Clinical innovations for older populations of the future. Proceeding of the 1996 Annual Meeting of the Gerontological Society of America, pp.25-33, Washington DC, November 1996.
14. Pacala JT, **Boult C**, Hepburn K, Kane RA, Kane RL, Malone J, Morishita L, Reed R. Case management of older adults enrolled in health maintenance organizations. Final report of a study conducted under contract with the Robert Wood Johnson Foundation. 1994.

*Articles and Editorials not peer reviewed*

1. **Boult C**. Improving chronic care: the Guided Care model. *The Permanente Journal* 2008;12(1):50-54.
2. **Boult C**. Cost-effective systems of caring for seniors. *Cost and Quality* 1998; 4(2):10-16.
3. Boult L, **Boult C**. Innovations in the second generation of social health maintenance organizations. *Geriatric Managed Care* 1997; 3(4):3-12.
4. **Boult C**. Outpatient geriatric evaluation and management. *Minnesota Physician* 1997; 11(5):30.
5. **Boult C**. Primary physicians asked to collaborate in aging project. *J Ramsey Co Med Soc* 1994; 88(2):10-11.
6. **Boult C**. Family physicians asked to collaborate in aging project. *Minnesota Family Physician* 1994; 49(3):6.
7. **Boult C**. Primary physicians collaborate in aging project: the GEM program. *Minnesota Physician* 1994; 8(7):13.

*Chapters*

1. **Boult C**, Wolff JL. "Guided Care" for people with complex health care needs. In: Malone ML, Capezuti EA, Palmer RM, eds. *Geriatrics Models of Care: Bringing 'Best Practice' to an Aging America*. Switzerland: Springer International Publishing; 2015.
2. **Boult C**, Novak T. Guided Care. In: Chun A, ed. *Geriatric Care by Design*. United States: American Medical Association; 2011.
3. **Boult C**, Groves C, Novak T. Coordination of care by Guided Care interdisciplinary teams. In: *Comprehensive Care Coordination for Chronically Ill Adults*. Oxford, United Kingdom: Wiley-Blackwell; 2011.
4. **Boult C**, Stefanacci R. Financing, coverage and costs of health care. In: *Geriatrics Nursing Review Syllabus: A Core Curriculum in Advanced Practice Geriatric Nursing, Third Edition*. New York: American Geriatrics Society; 2011.
5. **Boult C**. The financing of health care for older people. In: *Geriatrics Review Syllabus: A Core Curriculum in Geriatric Medicine, Seventh Edition*. New York: American Geriatrics Society; 2010.
6. **Boult C**. The Health Care System. In: Halter JB, Ouslander J, Tinetti M, Asthana S, High K, Studenski S, eds. *Hazzard's Principles of Geriatric Medicine and Gerontology, Sixth Edition*. New York: McGraw-Hill; 2009.

7. **Boult C.** The financing of health care for older people. In: Auerhahn C, Capezuti L, Flaherty E, Resnick B, eds. *Geriatric Nursing Review Syllabus: A Core Curriculum in Advanced Practice Geriatric Nursing*. 2<sup>nd</sup> edition. New York: American Geriatrics Society; 2007.
8. Wolff JL, **Boult C.** Medicare. In: Mezey MD, Berkman BJ, Siegler EL, Capezuti E et al., eds. *The Encyclopedia of Elder Care*. New York, NY: Springer Publishing; 2007.
9. Wolff JL, **Boult C.** Medicaid. In: Mezey MD, Berkman BJ, Siegler EL, Capezuti E et al., eds. *The Encyclopedia of Elder Care*. New York, NY: Springer Publishing; 2007.
10. **Boult C.** The financing of health care for older people. In: *Geriatrics Review Syllabus: A Core Curriculum in Geriatric Medicine, Sixth Edition*. New York: American Geriatrics Society; 2006.
11. **Boult C.** The financing of health care for older people. In: *Geriatrics Nursing Review Syllabus: A Core Curriculum in Advanced Practice Geriatric Nursing, First Edition*. New York: American Geriatrics Society; 2003.
12. **Boult C.** The financing of health care for older people. In: *Geriatrics Review Syllabus: A Core Curriculum in Geriatric Medicine, Fifth Edition*. New York: American Geriatrics Society; 2002.
13. **Boult C.** Comprehensive geriatric assessment. In: *The Merck Manual of Geriatrics, Third Edition*. Blue Bell, PA: Merck and Co; 2000.
14. **Boult C, Pacala JT.** New models of health care for elders at risk. In: Dychtwald, ed. *Healthy Aging: Challenges and Solutions*. Gaithersburg, MD: Aspen; 1999.
15. **Boult C.** The benefits of screening elderly patients for health risks: commentary. In: Burns J, Northrup L, eds. *Guide to Managed Care Strategies*. New York: Faulkner and Gray; 1999.
16. **Boult C, Pacala JT.** Care of older people at risk. In: Calkins E, Boult C, Wagner E, Pacala JT, eds. *New Ways to Care for Older People: Building Systems Based on Evidence*. New York: Springer; 1998.
17. **Boult C, Pacala JT.** Integrating care. In: Calkins E, Boult C, Wagner E, Pacala JT, eds. *New Ways to Care for Older People: Building Systems Based on Evidence*. New York: Springer; 1998.
18. Michalakes C, Naughton B, Calkins E, **Boult C.** Older patients in the emergency department. In: Calkins E, Boult C, Wagner E, Pacala JT, eds. *New Ways to Care for Older People: Building Systems Based on Evidence*. New York: Springer; 1998.
19. Kane RL, **Boult C.** Defining the service needs of frail older persons. In: Mor V, ed. *Living in the community with disabilities: a cross-group perspective*. New York: Springer; 1998.
20. **Boult C, Boult L, Kane RL.** How effective is geriatrics: a review of the evidence? In: Katz PR, Kane RL, Mezey MD, eds. *Quality Care in Geriatric Settings: Focus on Ethical Issues*. New York: Springer; 1995.

#### *Letters*

1. Scharfstein DO, Boyd CM, Wolf JL, **Boult C.** Letter to the editor. *Am J Manag Care* 2012;18(2):118-119.
2. Boyd CM, Darer JD, **Boult C, Fried LF, Boult L, Wu AW.** Clinical practice guidelines for older patients with comorbid diseases. Letter to the editor. *JAMA* 2006;295(1):34-35.
3. **Boult C, Coleman E.** Letter to the editor. *J Am Geriatr Soc* 2004;52(5):856.
4. Leff B, **Boult C.** Letter to the editor. *Annals of Internal Medicine* 2004; 140(3):231.
5. **Boult C, Boult L, Morishita L, Dowd B, Kane RL, Urdangarin C.** Letter to the editor. *J Am Geriatr Soc* 2002;50(3):591-592.



6. **Boult C.** Letter to the editor. *Am J Public Health* 1998;88(1):133.
7. Pacala JT, **Boult C.** Letter to the editor. *J Fam Pract* 1994; 39(5):537.

#### *Videotapes*

1. *Managing Senior Risk Assessment: Improving Patient Outcomes*, 1997, Abbott Laboratories, Columbus, Ohio.
2. *Living Well: A Guide to Healthy Aging*, 1998, Evening Star Productions, Akron, Ohio.

## TEACHING

### *Advisees (research topic)*

#### Post Doc

- |           |                        |
|-----------|------------------------|
| 2004-2006 | Kenric Maynor, MD, MPH |
| 2003-2007 | Alicia Arbaje, MD, MPH |

#### Doctoral

- |           |  |
|-----------|--|
| 2008-2012 | Matthew Frazier  |
| 2008-2012 | Tracy Mroz   |
| 2007-2009 | Lindsay Schwartz   |
| 2007-2009 | Patricia Markovich   |
| 2006-2007 | Allison Lipitz   |
| 2005-2007 | Benjamin Howell  |
| 2004-2006 | Erin Rand Giovannetti  |
| 2003-2007 | Chun Ju Hsiao  |
| 2003-2007 | Leslie Conwell   |
| 2003-2006 | Alyson Schuster  |
| 2002-2010 | Joanna Case Famadas  |
| 2000-2003 | Marilyn Luptak, PhD (A Family View of End-of-Life Decision Making)                                     |
| 1996-2003 | Cristina Urdangarin, PhD (Predicting Repeated Hospitalization among Elderly Medicare Beneficiaries)    |
| 1992-1999 | Robin Whitebird, PhD (Seniors at Risk: Biopsychosocial factors and hospital utilization)               |
| 1999-2000 | Ann Bowman, PhD (Exercise experiences of elderly people with type 2 diabetes)                          |
| 1990-1999 | Bruce Friedman, PhD (Comparison of Medicare Services Utilization in a Social HMO and A TEFRA Risk HMO) |
| 1991-2001 | Richard Cash, MD   |
| 1991-2001 | Pamela Fisher, MD  |
| 1991-2001 | Daniel Flory, MD   |
| 1991-2001 | Thomas Fredrickson, MD   |
| 1991-2001 | Karin Goettl, MD   |
| 1991-2001 | Caryn Kendra, MD, MPH  |
| 1991-2001 | Kristin Kirsch, MD   |
| 1991-2001 | Jeffrey Koll, MD   |

1991-2001 Jay Mitchell, MD  
 1991-2001 Christine Murphy, MD  
 1991-2001 Matthew Rolando, MD

Masters

2012 Tequila Terry  
 2011-2012 Chek Hooi Wong  
 2007-2008 Melissa Dattalo  
 2007-2008 Paul Jacxsens  
 2006-2009 Monique Yohanan  
 2004-2005 Margaret Randall  
 2004-2006 Cynthia Kelleher  
 2003-2004 Peter Curie  
 2003-2004 Abi Rayner  
 1991-2001 Robert B. Elson  
 1991-2001 John G. Faughnan  
 1991-2001 Burr Fontaine  
 1991-2001 Paul Kowal  
 1991-2001 Scott Loss  
 1991-2001 Teresa McCarthy  
 1991-2001 Michael Sandman  
 1991-2001 Jennifer Weuve

*Preliminary Oral Participation (not applicable for MS candidates)*

Benjamin Howell	PhD
Erin Rand-Giovannetti	PhD
Joanna Case Famadas	PhD
Leslie Conwell	PhD
Chun-Ju Hsiao	PhD
Marisa Wilson	PhD
Kathleen Haddad	PhD
Marleen Niefeld	PhD
Bowman, Ann	PhD
Friedman, Bruce	PhD
Luptak, Marilyn	PhD
Urdangarin, Cristina	PhD
Whitebird, Robin	PhD

*Final Oral Participation*

Joanna Case Famadas	PhD	
Erin Rand-Giovannetti	PhD	
Leslie Conwell	PhD	
Chun-Ju Hsiao	PhD	
Marisa Wilson	PhD	
Mike Griswold	PhD	(chaired final doctoral defense)

Ekaterini Malliou	PhD	
Ellen Freeman	PhD	(chaired final doctoral defense)
Marlene Niefeld	PhD	
Bowman, Ann	PhD	
Elson, Robert B	MS	
Faughnan, John G.	MS	
Figari, Carlos	MS	
Fontaine, Burr	MS	
Friedman, Bruce	PhD	
Kimura, Shinji	MS	
Kowal, Paul	MS	
Lam, Robert	MS	
McCarthy, Teresa	MS	
Sandman, Michael	MS	
Urdangarin, Cristina	PhD	
Weuve, Jennifer	MPH	
Whitebird, Robin	PhD	

### *Classroom Instruction*

Frontiers in Gerontology  
 Innovations in Health Care for Aging Populations  
 Principles of Geriatrics I  
 Principles of Geriatrics II, director  
 Principles of Geriatrics III  
 Future Health Interventions, director  
 Interdisciplinary Geriatrics, director  
 Human Sexuality  
 Clinical Medicine II  
 Clinical Medicine IV  
 Effective Use of Published Information  
 Policy Evaluation Research

### *Other Significant Teaching*

Clinical teaching of medical students, residents and fellows in hospital, nursing home, home care and outpatient clinics, 1981-2008  
 Lecturing at residency noon conferences, Grand Rounds, Research Seminars, and Continuing Medical Education conferences, 1981-2016

### **RESEARCH GRANTS**

“New Evaluation of Guided Care’s Effect on Utilization,” September 30, 2009-September 30, 2011, the Agency for Healthcare Research and Quality, Principal Investigator: C. Boulton, \$100,000.  
 “Guided Care: Integrating High Tech and High Touch”, June 2005-May 2010, the Agency for Healthcare Research and Quality, the National Institute on Aging, the John A. Hartford Foundation, the Jacob and Valeria Langeloth Foundation, Principal Investigator: C. Boulton,

\$3,098,079.

- "Enhancing the Quality of Medical Home Services," July 2008-June 2012, the John A Harford Foundation, Principal Investigator: C. Boulton, \$1,700,000.
- "Development of a Business Plan for Licensing the PraPlus," AY 2001-2002, Johns Hopkins University Technology Transfer, Principal Investigator: C. Boulton, \$20,000
- "Establishment of an Aging Rodent Colony," AY 2000-01, Minnesota Medical Foundation, Principal Investigator: C. Boulton, \$15,000
- "Risk Assessment and Care Advisors for Chronically Ill Older Populations," AY 1996-00, Robert Wood Johnson Foundation, Co-principal investigator: C. Boulton, \$530,371
- "Identifying High-risk Elderly Enrollees in Managed Care Organizations," AY 1995, Group Health Foundation (The Robert Wood Johnson Foundation), Principal Investigator: C. Boulton, \$29,085
- "The Effects of Outpatient Geriatric Evaluation and Management on Elders' Functional Ability," AY 1994-96, American Academy of Family Physicians Foundation, Principal Investigator: C. Boulton, \$15,000
- "Comparison of Methods for Screening Elderly Populations," AY 1994-95, American Federation for Aging Research, Principal Investigator: C. Boulton, \$1,250
- "Case Management in HMOs," AY 1994, Group Health Foundation (The Robert Wood Johnson Foundation), Principal Investigator: C. Boulton, \$45,248
- "A Trial of Outpatient Geriatric Evaluation and Management (GEM)," AY 1993-98, National Institute on Aging, U.S. Agency for Health Care Policy and Research, Health Care Financing Administration, Principal Investigator: C. Boulton, \$1,839,073
- "Reducing Functional Limitation in the Next Century," AY 1993-94, All-University Council on Aging, University of Minnesota, Principal Investigator: C. Boulton, \$3,000
- "Physician Case Management of Frail Elderly Minnesotans: Results of an Interdisciplinary Pilot Program," AY 1992-93, All-University Council on Aging, University of Minnesota, Principal Investigator: C. Boulton, \$3,000
- "Reliability of an Instrument for Estimating Elders' Probability of Future Hospitalization," AY 1992-93, Division of Epidemiology, School of Public Health, University of Minnesota, Co-investigator, \$1,717
- "Identifying Elders at Risk," AY 1991-92, Minnesota Medical Foundation, Principal Investigator: C. Boulton, \$5,000
- "Identifying Elders at Risk," AY 1991-92, Center for Urban and Regional Affairs, University of Minnesota, Principal Investigator: C. Boulton, \$4,687
- "NIA Academic Award: Predictors of Functional Ability," 1990-95, National Institute on Aging, AY Principal Investigator: C. Boulton, \$361,000
- "Identifying Elders at Risk," AY 1990-91, Center for Urban and Regional Affairs, University of Minnesota, Principal Investigator: C. Boulton, \$9,706
- "Dependency Implications of Future Demographic Trends: Simulated Possibilities," AY 1988-91, Alfred P. Sloan Foundation, Principal Investigator of project component: C. Boulton, \$19,977

## EDUCATIONAL GRANTS

- "Training in Gerontological Health Services Research," 1 T32 AG023485, AY 2004-09, Principal Investigator
- "Grants for Graduate Training in Family Medicine," DHHS #5D15PE19111-08, AY 1987-88,

- Principal Investigator, \$84,240
- "Family Practice Residency Education," California #80-75002A7, AY 1987-88, Principal Investigator, \$103,230
- "Interdepartmental Geriatrics Fellowship," California Academic Geriatric Resource Program, AY 1987-88, Principal Investigator, \$16,697
- "Family Medicine Geriatric Fellowship," California #86-20120 A1, AY 1987-88, Principal Investigator, \$44,550
- "Grants for Graduate Training in Family Medicine," DHHS #5D15PE19111-07, AY 1986-87, Principal Investigator, \$84,240
- "Family Practice Residency Education," California #80-75002 A4, AY 1986-87, Principal Investigator, \$86,025
- "Rural Family Practice Education, San Diego-Imperial County Rural Area Health Education Center, October 1986-September 1987, Principal Investigator, \$12,960
- "Family Medicine Geriatrics Fellowship," California Office of Statewide Health Planning and Development, AY 1986-87, Principal Investigator, \$27,700
- "Rural Family Practice Education," San Diego-Imperial County Rural Area Health Education Center, October 1985-September 1986, Principal Investigator, \$21,600
- "Grants for Graduate Training in Family Medicine," DHHS #5D15PE1534102, AY 1985-88, Co-author, \$247,000

## PRESENTATIONS

### *Scientific Meetings*

- Boult C, Leff B, Boyd C, Wolff J, Wegener S, Semanick L, Frey K, Rand-Giovannetti E. A cluster-randomized controlled trial of Guided Care: baseline data and initial experiences. Annual Meeting of the American Geriatrics Society, 2007.
- Arbaje A, Eubank K, Maynor K, Carrese J, Boult C. Home health care professionals' perspectives on the quality of their communication with physicians during older adults' care transitions from hospital to home. Annual Meeting of the American Geriatrics Society, 2007.
- Sylvia M, Boult C. A pilot study of Guided Care: cost and utilization outcomes. Annual Meeting of the HMO Research Network, 2007.
- Boyd CM, Leff BA, Wolff JL, Semanick L, Noronha G, Karm L, Boult C. Predictors of self-rated quality of primary care for multi-morbid older adults. Annual Meeting of the Society of General Internal Medicine, 2007.
- Boult C, Leff B, Boyd C, Semanick L, Brager R, Frey KP. Guided Care for multi-morbid older adults. Annual Meeting of the American Public Health Association, 2006.
- Sylvia M, Boult C. A pilot study of Guided Care: cost and utilization outcomes. Annual Meeting of AcademyHealth, 2006.
- Arbaje AI, Wolff J, Powe NR, Anderson GF, Boult CE. Home environment and the likelihood of readmission among community-dwelling Medicare beneficiaries. Annual Meeting of the American Geriatrics Society, 2006.
- McNabney MK, Wolff J, Semanick L, Kasper J, Boult C. Long stay nursing home residents who may not require institutional care. Annual Meeting of the American Geriatrics Society, 2006.
- Spiers N, Jagger C, Matthews R, Robinson T, Brayne C, Matthews F, Boult C. Forecasting Future Disability Levels Under Changing Patterns of Diseases. Annual Meeting of the British

- Society for Population Studies, 2004.
- Sylvia M, Shadmi E, Hsiao C, Boyd C, Schuster A, Boulton C. Clinical characteristics of older persons identified by predictive modeling as targets for intensive clinical intervention. Annual Scientific Meeting of the American Geriatrics Society, 2004.
- Shadmi E, Boyd C, Schuster A, Sylvia M, Boulton C. Quality of primary care of older persons with multiple comorbidities. Annual Scientific Meeting of the American Geriatrics Society, 2004.
- Boulton C. Guided care: integrating high-tech and high-touch for older people with chronic conditions. Complexities of Co-Occurring Conditions Conference (NIMH, NIDA), 2004
- Spiers N, Matthews RJ, Jagger C, Brayne C, Boulton C, Matthews F, Robinson T. Forecasting future disability levels under changing patterns of diseases. Annual Scientific Meeting of the British Geriatrics Society, 2003.
- Boyd C, Darer J, Wu A, Boulton C, Fried L. The challenges of following clinical practice guidelines in the care of older patients with multiple comorbid conditions. Annual Scientific Meeting of the American Geriatrics Society, 2003.
- Young Y, Fan M, Boulton C, Hebel J. Validation of the "successful aging" construct. Annual Scientific Meeting of the Gerontological Society of America, 2002
- Young Y, Fan M, Hebel JR, Boulton C. Concurrent validity of administering the functional independence measure (FIM) by interview. Annual Scientific Meeting of the American Public Health Association, 2002
- Boulton C, McCaffrey D. Association between funding and findings: does sponsorship bias results? Annual Scientific Meeting of the American Geriatric Society, 2002
- Young Y, Fan M, Boulton C, Parrish JM. Actively engaging with life: associations with functional independence and quality of life. Annual Scientific Meeting of the American Geriatric Society, 2002
- Boulton C. An epidemiologic tool that improves health care for older people. Annual Scientific Meeting of the Gerontological Society of America, 2001.
- Fillenbaum GG, Hanlon JT, Dowd B, O'Connor H, Landerman LR, Artz M, Gross C, Boulton C, Garrard J, Schmader K. Impact of inappropriate drug use defined by Beers criteria on health service use. Annual Scientific Meeting of the Gerontological Society of America, 2001
- Hanlon JT, Fillenbaum GG, Dowd B, Landerman LR, Artz MA, Gross C, O'Connor H, Boulton C, Garrard J, Schmader K. Impact of inappropriate drug prescribing defined by DUR criteria on health services utilization in community dwelling elders. Annual Meeting of the American College of Pharmacotherapy, 2001
- Hanlon JT, Fillenbaum GG, Kuchibhatla M, Ruby C, Gross C, Boulton C, Garrard J, Schmader K. Impact of inappropriate drug prescribing on mortality and decline in functional status in community dwelling elders. Annual Scientific Meeting of the American Geriatric Society, 2001
- Pacala JT, Boulton C. An alternative method for risk-adjusting capitation rates for Medicare Plus Choice plans. Annual Scientific Meeting of the American Geriatric Society, 2001
- Pacala JT, Boulton C. Effects of a care management program on costs and satisfaction in an open-access health plan. Annual Scientific Meeting of the American Geriatric Society, 2001
- Hanlon JT, Fillenbaum GG, Kuchibhatla M, Boulton C, Gross C, Garrard J, Schmader K. Inappropriate drug use, functional status decline and mortality among community dwelling elderly residents. Annual Scientific Meeting of the Gerontological Society of America, 2000
- Boulton C, Rassen J, Rassen A, Moore RJ, Bouquillon S. Does case management save money in

- Medicare HMOs? Annual Scientific Meeting of the American Geriatric Society, 2000
- Pacala JT, Boulton C, Urdangarin C. Prediction of future Medicare costs based on self-report. Annual Scientific Meeting of the American Geriatric Society, 2000
- Hanlon JT, Fillenbaum G, Hu W, Gross C, Garrard J, Ruby C, Schmader K, Boulton C. Inappropriate drug prescribing for community dwelling elderly. Annual Scientific Meeting of the American Geriatric Society, 2000
- Boulton C, Boulton LB, Morishita L. Outpatient geriatric evaluation and management: a randomized clinical trial. Annual Scientific Meeting of the American Geriatric Society, 1999
- Weuve JL, Boulton C, Morishita L. Effects of outpatient geriatric evaluation and management on caregiver burden. Annual Scientific Meeting of the American Geriatric Society, 1999
- Urdangarin C, Boulton C, Morishita L. The effects of outpatient geriatric evaluation and management (GEM) on function, affect and mortality. Annual Scientific Meeting of the American Geriatric Society, 1999
- Goodlin SJ, Boulton C, Bubolz TA. Risk of developing a need for long-term care. Annual Scientific Meeting of the American Geriatric Society, 1998
- Skarin V, Boulton C. Older adults at high nutritional risk. Annual Scientific Meeting of the American Geriatric Society, 1997
- Smith S, Morishita L, Boulton C. Promoting completion of advance directives in community-dwelling elders. Annual Scientific Meeting of the American Geriatric Society, 1997
- Boulton L, Boulton C, Morishita L, Smith S. The process of outpatient geriatric evaluation and management (GEM). Annual Scientific Meeting of the American Geriatric Society, 1997
- Boulton C, Boulton L, Morishita L, Pirie P. Recruiting high-risk older participants for a randomized clinical trial. Annual Scientific Meeting of the American Geriatric Society, 1997
- Pacala JT, Boulton C, Reed R, Aliberti E. Predictive validity of the P<sub>ra</sub> among older recipients of managed care. Annual Scientific Meeting of the American Geriatric Society, 1997
- Morishita L, Boulton C, Boulton L, Smith S, Pacala JT. Satisfaction with outpatient geriatric evaluation and management. Annual Scientific Meeting of the American Geriatric Society, 1997
- Boulton C, Kane RL. Future human and economic effects of reducing six chronic diseases. Annual Scientific Meeting of the American Geriatric Society, 1995
- Boulton C, Altmann M, Gilbertson D, Yu C, Kane RL. Decreasing disability in the 21st century. Annual Scientific Meeting of the American Geriatric Society, 1995
- Pacala JT, Boulton C, O'Brien J, Bland C. The "Aging Game" improves medical students' attitudes toward caring for elders. Annual Scientific Meeting of the American Geriatric Society, 1995
- Murphy C, Reuben D, Boulton C. Comparison of two screening instruments that identify elders for comprehensive assessment. Annual Scientific Meeting of the American Geriatric Society, 1995
- Pacala JT, Boulton C. A typology of case management in large scale HMOs with Medicare TEFRA risk contracts. Annual Scientific Meeting of the Gerontological Society of America, 1994
- Morishita L, Ebbitt B, Boulton C. Telephone reliability of the physical functioning dimension of the sickness impact scale and the geriatric depression scale. Annual Scientific Meeting of the Gerontological Society of America, 1994
- Boulton C, Gilbertson D. The effects of four diseases on the number of functionally limited elders in the next century. Annual Scientific Meeting of the American Geriatric Society 1993
- Boulton C, Dowd B, McCaffrey D, Boulton L. Predictive validity of a questionnaire that identifies elders at risk for hospital admission. Annual Scientific Meeting of the American Geriatric

Society 1993

- Boult L, Boult C, Pirie P. Test-retest reliability of a questionnaire that identifies elders at risk for hospital admission. Annual Scientific Meeting of the American Geriatric Society 1993
- Murphy C, Boult C, Boult L, Ebbitt B, Luptak M, Kane RL. Targeted outpatient GEM: results of a pilot study. Annual Scientific Meeting of the American Geriatric Society 1993
- Loret de Mola F, Boult C. Characteristics of elders who under-use health care. Annual Scientific Meeting of the American Geriatric Society 1993
- Luptak MK, Boult C. Encouraging elders to record advance directives: results of an outpatient pilot program. Annual Scientific Meeting of the Gerontological Society of America, 1992
- Boult C, Boult L, McCaffrey D. Chronic conditions that lead to functional limitation in the elderly. Annual Scientific Meeting of the American Geriatric Society 1992
- Boult CE, Hernandez R, Dowd B, McCaffrey D, Keenan J. A model that estimates elders' probability of admission to a hospital within two years. Annual Scientific Meeting of the Gerontological Society of America, 1991

*Invited Seminars* – Professional societies

- European Union Geriatric Medicine Society's *Second Congress*, Florence, Italy, "Integrated Systems of Care for the Frail Elderly"
- International Association of Gerontology's *International State of the Art Conference: Geriatric Assessment Technology*, Florence, Italy, "A Questionnaire That Identifies Elders at Risk: How Well Does it Predict Use of Health Services?"
- International Center for the Analysis of Social Development's, *Primary Health Care: Issues and Trends in the Era of Privatization*, San Juan, PR, "The Role of Research in Primary Care"
- Maryland Gerontological Society's *Annual Meeting*, Catonsville, MD, "Guided Care"
- Academy Health's *Annual Meeting*, Washington, DC, "Case Management for Frail Seniors"
- American Public Health Association's *Annual Meeting*, Indianapolis IN, "Using Managed Care to Provide Effective Chronic Care"
- Gerontological Society of America's *Annual Meeting*, Washington, DC, "Meeting the Care Needs of Older Persons Across Health Care Settings"
- Gerontological Society of America's *Annual Meeting*, Philadelphia, PA, "Emerging Systems of Care for Older Persons" (Presidential Symposium) and "Symposium on Cognitive Impairment"
- American Society on Aging's *Annual Meeting*, Los Angeles, CA, "Identification and Management of Health Risk"
- American Geriatrics Society's *Annual Meeting*, Washington, DC, "What's New in Geriatric Assessment?"
- American Medical Directors Association's *Annual Meeting*, San Antonio, TX, "Innovative Systems of Care for Older Populations"
- American Academy of Family Physicians' *Scientific Assembly*, San Francisco, CA, "Therapeutic and Preventive Approaches for Major Health Problems Affecting Older Adults"
- Disease Management Association of America's *Annual Meeting*, Chicago, IL, "HRAs for the 21<sup>st</sup> Century: Modern Survey Tools to Enhance Disease Management"
- Society for Prospective Medicine's *Annual Meeting*, Newport, RI, "Identifying High-Risk Seniors"
- Minnesota Gerontological Society's *Long Lives in the New Millennium*, St. Paul, MN, "Preparing for the Pandemics: Chronic Illness and Disability"



American Society on Aging's *2000 Summer Series on Aging*, St. Paul, MN, "Ten Promising Health Care Interventions for Chronically Ill Elders"

*Invited Seminars - Academic institutions*

University of British Columbia's *Chronic Care Management*, Vancouver, BC, "Guided Care: From Translation to Transformation"

University of Arkansas's *Geriatrics Grand Rounds*, Little Rock, AR, "Guided Care: Integrating High Tech and High Touch"

Georgetown University's *The 21<sup>st</sup> Century Challenge: Providing and Paying for Long-Term Care*, Washington, DC, "Integrating Medical and Supportive Continuing Services"

Purdue University's *Symposium on Life Course Inequality: Antecedents and Consequences*, West Lafayette, IN, "The Future of Health Care for Older People: Will the Disadvantaged be Left Behind?"

Harvard Medical School/Beth Israel Deaconess Medical Center's *Geriatrics Grand Rounds*, Boston, MA, "Improving the Health Care of Older People"

Johns Hopkins Bloomberg School of Public Health's *Lipitz Seminar*, Baltimore, MD, "Stemming the Tide of Disability among Older Americans"

University of Rochester Geriatric Education Center's *Annual Geriatrics Symposium*, Rochester, NY, "Cost-Effective Care of Older Populations in the Future"

University of Alberta's *Medical Grand Rounds*, Edmonton, Alberta, Canada, "Good Medicine for Old People: What will it Demand of Us?"

University of Pittsburgh's *Internal Medicine Grand Rounds*, Pittsburgh, PA, "Improving the Health Care of Older Populations"

University of Kansas Center on Aging's *Visiting Professor*, Kansas City, KS, "Research Seminar" and "Future Care of Older Populations"

Dartmouth Medical School's *Internal Medicine Grand Rounds*, Hanover, NH, "Geriatrics in the 21<sup>st</sup> Century"

Albert Einstein Medical Center's *Internal Medicine Grand Rounds*, Philadelphia, PA, "Risk Assessment in Medicare Patients"

University of Puerto Rico School of Medicine's *2nd Conference on Health Promotion*, San Juan, PR, "Innovative Systems of Care for Older Populations"

*Invited Seminars - Governmental agencies*

Medicare-Medicaid Integration Program's *2003 Annual Meeting*, Baltimore, MD, "Guided Care: to Improve the Quality of Care for Dually Eligible Seniors with Complex Health Care"

Capital Health Association's *2002 Geriatric Services Planning Session*, Edmonton, Alberta, "Integrating Acute Geriatric Services"

Medicare-Medicaid Integration Program's *2002 Annual Meeting*, Baltimore, MD, "Case Management for Dual Eligibles"

Health Care Financing Administration's *1996 National Research Conference on Managed Care and Persons with Disability*, Harbourtowne, MD, "Identifying High-Risk Medicare HMO Members"

Veterans Administration Medical Center's *Medical Grand Rounds*, Minneapolis, MN, "Stemming the Tide of Disability among Older Americans"

Veterans Administration Medical Center's *1996 Seminar on Aging*, Minneapolis, MN,

## "Monitoring and Modifying Health Risks in Older Populations"

### *Invited Seminars - Trade associations*

Forum Managed Care's *Annual Symposium*, Zurich, Switzerland, "Prediction Models for Hospital Admission and Physician Visits in Community-Dwelling Older Persons"

National Disease Management Association's *Annual Conference*, Chicago, IL, "Predicting the Need for Long-Term Care in the Future"

Case Management Society of America's *Annual Conference*, Denver, CO, "Guided Care"

National Chronic Care Consortium's *Primary Care Team: Cornerstone of the CCN*, Detroit, MI, "Innovations in Chronic Care"

The HMO Group's *Clinical Management of the Senior Population in an HMO Environment*, San Francisco, CA, "Identifying the Special Needs of the Senior Population in Managed Care: Assessment Strategies"

The HMO Group's *Clinical Management of the Senior Population in an HMO Environment*, Boston, MA, "Identifying the Special Needs of the Senior Population in Managed Care: Assessment Strategies"

Blue Cross Blue Shield Association's *Best Practices in Medical Management*, San Francisco, CA, "Identification of and Appropriate Interventions for High-Risk Seniors"

American Association of Health Plans' *1996 Institute: Defining Health Care for the 21st Century*, New Orleans, LA, "Classifying the Risk Level of Older Health Plan Members"

Blue Cross Blue Shield Association's *Senior Care Best Practices Forum*, Chicago, IL, "Targeting Elders for Geriatric Evaluation and Management"

### *Invited Seminars - Extramural continuing education conferences*

Summa Health System's *Medical Grand Rounds*, Akron, OH, "Guided Care: Integrating High Tech and High Touch"

Johns Hopkins School of Nursing's *Hot Topics in Advance Practice Nursing*, Baltimore, MD, "The Role of Nursing in the Future Care of Older People with Chronic Conditions"

Case Western Reserve University School of Medicine's *Family Practice Review*, Cleveland, OH, "Future Health Care for Older People with Chronic Illness"

Kaiser Permanente's *2000 Elder Care Symposium*, Long Beach, CA, "Evidence-Based Geriatric Medicine--What Works and What Doesn't?"

Scripps Clinic's *Medical Grand Rounds*, La Jolla, CA, "Innovative Care of Older People"

International Business Communications' *Personalized Health Management*, Beverly Hills, CA, "Screening and Preventive Programs for High-Risk Elderly Patients: Who is at Risk and What is Being Done About It?"

International Business Communications' *Managing the Senior Population in a Managed Care Environment*, Cambridge, MA, "Identifying High-Risk Members of Older Populations and Systems of Care for the 21st Century"

Institute for International Research's *Fourth Annual Medicare Managed Care Congress*, Coral Gables, FL, "Implementing a Health Risk Screening Tool--the First Step Toward Population Based Care"

International Business Communications' *Assessing and Reducing Health Risk in Medicare/Medicaid Populations*, Chicago, IL, "Early Identification of High-Risk Persons"

Alliance for Healthy Aging's *1995 Clinical Leadership Series Institute-- Managing Health*

*Outcomes in an Aging Population: Risks and for Healthy Aging's Innovative Approaches to Caring for Older Persons, Scottsdale, AZ, "Screening Populations to Identify High-Risk Elderly Persons"*

## **COMMUNITY SERVICE**

High school volunteer baseball coach, Baltimore City College, Baltimore, MD, 2010  
Community youth basketball coach, Timonium, MD, 2007-2010  
Little league baseball coach, Roland Park Recreation, Baltimore, MD, 2002-2008  
Youth soccer coach, Mount Washington Recreation, Baltimore, MD, 2002-2003  
Little league baseball coach, Parks and Recreation, St. Paul, MN, 2000-2001  
Gifted and Talented Parent Advisory Committee, St. Paul Public Schools, MN, 1998-2001  
Health Commentator, WLTE-FM, Minneapolis, MN, 1994  
Contributing author, Good Age, 1994  
Contributing author, Minnesota Senior News, 1994  
Health commentator, KARE-TV, Minneapolis, MN, 1994  
Speaker, AMA-ABA program to prevent childhood substance abuse, St. Paul, MN, 1994  
Panelist, "Health Talk and You," KTCI-TV, Minneapolis, MN, 1991-1996  
Secretary-Treasurer and Member of the Board of Directors, National Public Telecomputing Network, 1989-93  
Contributing author, Newsletter of Parenting, 1985  
Health commentator (daily), WERE-AM, Cleveland, OH, 1984-85

## **PERSONAL STATEMENT REGARDING RESEARCH**

My research interest has centered on the development and testing of novel approaches to organizing, financing and delivering health care to older populations. I am particularly interested in collaborating with others to improve the outcomes experienced by people whose chronic illnesses require care that spans the hospital, post-acute, and home care settings.

*Keywords:* health services research, geriatrics, outcomes research, interdisciplinary care