BIOGRAPHICAL SKETCH

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NAME: JETTE, ALAN M.

eRA COMMONS USER NAME (agency login): JETTE.ALAN

POSITION TITLE: Professor of Health Policy & Management

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)*

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
State University of New York at Buffalo, Buffalo, New York	BS	05/1973	Physical Therapy
University of Michigan, Ann Arbor, MI	MPH	08/1975	Health Gerontology
University of Michigan, Ann Arbor, MI	PHD	08/1979	Public Health Behv/Health Ed

A. Personal Statement

I have served on the OAIC Executive Committee and the Function Core of the Pepper Center. I am an international expert in the measurement & evaluation of functioning and health outcomes and in the measurement, epidemiology, and prevention of disability. My work has addressed the need to bring conceptual clarity to the measurement of patient-centered outcomes in a range of challenging clinical areas such as work disability, spinal cord injury and neurologic, orthopedic, and geriatric conditions. I have published extensively on these topics in the public health, rehabilitation, geriatrics, and orthopaedics literatures. I direct the Health & Disability Research Institute at the Boston University School of Public Health, where I also serve as the Executive Committee on the Boston Roybal Center. I am a co-investigator on the National Health and Aging and Trends Study (NHATS), funded by NIA. For the past 14 years, I have directed the Boston University Post-Doctoral Fellowship Program, funded by NIDILRR, which focuses on outcomes research. From 1996-2004, I served as Dean of Sargent College of Health Policy & Management in the School of Public Health.
I chaired the IOM Panel that authored the 2007 report, The Future of Disability in America, where I currently serve as a member of IOM's Board of Health Sciences Policy. In 2013, I was elected to the Institute of Medicine.

1. Jette AM, McDonough CM, Ni P, Haley SM, Hambleton RK, Olarsch S, Hunter DJ, Kim YJ, Felson DT. A functional difficulty and functional pain instrument for hip and knee osteoarthritis. Arthritis Res Ther. 2009;11(4):R107. PubMed PMID: 19589168; PubMed Central PMCID: PMC2745788.
2. Bean JF, Latham NK, Holt N, Kurlinksi L, Ni P, Leveille S, Percac-Lima S, Jette A. Which neuromuscular attributes are most associated with mobility among older primary care patients?. Arch Phys Med Rehabil. 2013 Dec;94(12):2381-8. PubMed PMID: 23973445; PubMed Central PMCID: PMC3874862.
3. Chang FH, Ni P, Jette AM. Does activity limitation predict discharge destination for postacute care patients?. Am J Phys Med Rehabil. 2014 Sep;93(9):782-90. PubMed PMID: 24800717.
4. Beauchamp MK, Bean JF, Ward RE, Kurlinski LA, Latham NK, Jette AM. How Should Disability Be Measured in Older Adults? An Analysis from the Boston Rehabilitative Impairment Study of the Elderly. J Am Geriatr Soc. 2015 Jun;63(6):1187-91. PubMed PMID: 26032351; PubMed Central PMCID: PMC4478131.

B. Positions and Honors

Positions and Employment

1980 - 1982	Assistant Professor of Social Medicine and Health Policy, Harvard Medical School, Boston, MA
1983 - 1988	Associate Professor of Gerontology and Physical Therapy, MGH Inst. of Health Professions, Boston, MA
1983 - 1989	Lecturer Department of Social Medicine and Health Policy, Harvard Medical School, Boston, MA
1989 - 1993	Senior Research Scientist, New England Research Institute , Watertown, MA
1993 - 2004	Professor, Department of Social & Behavioral Sciences, Boston University School of Public Health, Boston, MA
1994 - 1996	Chief Research Scientist, New England Research Institute, Inc., Watertown, MA
1996 - 2004	Professor & Dean , Sargent College of Health and Rehabilitation Sciences, Boston University, Boston, MA
2004 -	Director, Health & Disability Research Institute, Boston University, Boston, MA
2005 -	Professor of Health Policy & Management, Boston University School of Public Health, Boston, MA

Other Experience and Professional Memberships

1980 - 1989	Member, Division on Aging, Harvard Medical School, Boston

Honors

C. Contribution to Science

1. I collaborated with Dr. L. Verbrugge on a seminal publication outlining a sociomedical model of disability. This disablement process framework was the first to full enumerate the intrinsic and environmental variables related to the onset and progression of disability, and informed the theoretical basis for the WHO's new classification: The International Classification of Function, Disability and Health (ICF). Using the disablement model, I and my colleagues were among the first to launch field studies to elucidate the epidemiology of disability and subsequently conducted several successful clinical trials that reduced the severity of disability in different populations.

    a. Jette AM, Pinsky JL, Branch LG, Wolf PA, Feinleib M. The Framingham Disability Study: physical disability among community-dwelling survivors of stroke. J Clin Epidemiol. 1988;41(8):719-26. PubMed PMID: 2971099.

    b. Verbrugge LM, Jette AM. The disablement process. Soc Sci Med. 1994 Jan;38(1):1-14. PubMed PMID: 8146699.

    c. Lawrence RH, Jette AM. Disentangling the disablement process. J Gerontol B Psychol Sci Soc Sci. 1996 Jul;51(4):S173-82. PubMed PMID: 8673646.

    d. Jette AM. Disentangling the process of disablement (invited commentary). Social science & medicine (1982). 1998; 48:471-472.

2. Over the past 3 decades, I have designed a host of novel function and disability assessment instruments being used in health care. I have developed outcome instruments in the following areas: later life, osteoarthritis, spinal cord injury, and post-acute care. Currently, I and my colleagues are developing contemporary functional assessment instruments using Item Response and Computerized Adaptive Test methodology (IRT/CAT) for use in the Social Security work disability program. These tools have the potential to help in the adjudication of work disability for the 3 million individuals a year who apply for US Social Security Disability Payments.

    a. Jette AM, Davies AR, Cleary PD, Calkins DR, Rubenstein LV, Fink A, Kosecoff J, Young RT, Brook RH, Delbanco TL. The Functional Status Questionnaire: reliability and validity when used in primary care. J Gen Intern Med. 1986 May-Jun;1(3):143-9. PubMed PMID: 3772582.

b. Washburn RA, Smith KW, Jette AM, Janney CA. The Physical Activity Scale for the Elderly (PASE): development and evaluation. J Clin Epidemiol. 1993 Feb;46(2):153-62. PubMed PMID: 8437031.

c. Jette AM, Haley SM, Coster WJ, Kooyoomjian JT, Levenson S, Heeren T, Ashba J. Late life function and disability instrument: I. Development and evaluation of the disability component. J Gerontol A Biol Sci Med Sci. 2002 Apr;57(4):M209-16. PubMed PMID: 11909885.

d. Haley SH, Coster W, Andres PL, Ludlow LH, Bond T, Sinclair SJ, Jette AM. Activity Outcome Measurement for Post-acute Care. Medical care. 2004; 42(1):1-49-1-69.

D. Research Support

Ongoing Research Support

1R24HD065688-04, NIH/NICHD
Jette, Alan M.
9/23/2010 - 5/31/2015
Improving Outcome Measurement For Medical Rehabilitation Clinical Trials
The Boston Network for contemporary rehabilitation outcome measurement (the Boston ROC Network), a collaboration among researchers from Boston University, Harvard Medical School/ Spaulding Rehabilitation Hospital, and Tufts University would greatly enhance the capability of medical rehabilitation researchers to understand outcome measures, develop and refine measures of key rehabilitation outcomes, and improve their use in rehabilitation medicine clinical trials and related research. The Boston ROC Network would provide medical rehabilitation researchers with access to resources, training and technical support to improve the selection and use of CROs in rehabilitation clinical trials to assist with increasing the number and quality of successfully completed RCTs in the field of medical rehabilitation.
Role: PI of Boston University Subcontract

HHSN269201200005C, NIH/ Clinical Center/ SSA
Jette, Alan M.
8/16/2012-8/15/16
Computer Adaptive Tools Development
The main purpose of this project is to further develop content domains and computer adaptive tests to assist with functional evaluations for those who are applying for disability payments and assess the feasibility of developing and integrating Computer Adaptive Testing (CAT) instruments, based on Item Response Theory (IRT), into the SSA data collection and disability evaluation processes. This will require a thorough development of item bank content and creation of additional CAT instruments for evaluation of those content domains and feasibility of integration of CAT tools in the SSA environment.
Role: Principal Investigator

90AR5012-01-00, HHS / ACL / NIDILRR
Jette, Alan M.
10/01/2012-9/30/2017
Post-Doctoral Training in Rehabilitation Outcomes Measurement Research
The major goals of this Post-Doctoral Training in Rehabilitation Outcomes Measurement Research Program (hereafter referred to as the Fellowship Program) are to design and to provide opportunities for advanced training and experience in rehabilitation outcome measurement, which will help to advance rehabilitation research. This application crosses four domains, as outlined in NIDRR's long-range plan: community living and participation, health and functioning, employment and technology. The Fellowship Program provides training in the development and use of outcome measures to assess community living and participation, health and functioning and employment. Furthermore, the Fellowship Program training emphasizes technological advances that have revolutionized outcome measures, such as the use of artificial intelligence in computer adaptive tests and wearable sensor technology to assess activity in community settings.
Role: Principal Investigator

90SI5013-01-00, HHS / ACL / NIDILRR
Jette, Alan M.

10/23/2012-9/30/2017
NERSCIC: Improving the Lives of People Living with Spinal Cord Injury Through Innovative Science and Technology
The New England Regional Spinal Cord Injury Center Network (NERSCIC) at Boston University proposes to lead a multi-site collaborative project with Gaylord Hospital to evaluate the efficacy of a tele-rehabilitation intervention, "CARECall", a dynamic automated telephone calling system, to ameliorate secondary conditions for people with traumatic SCI. The collaborating SCI Model System sites are: the Northwestern Regional SCI Center (NWRSCIC), University of Louisville, and Kessler Rehabilitation Network.
Goals/Objectives: The specific aims are organized around three phases: Phase 1: Modify and consumer pilot test the CAREcall intervention, most notably for male users related to PUs; Phase 2: Conduct a multi-site randomized controlled trial (RCT) to evaluate the efficacy of the CAREcall tele-health intervention in a final sample of 240 adults with SCI ; and Phase 3: Analyze, report, and disseminate study results.
Role: Principal Investigator

79142, Shriner Children Hospital
Jette, Alan M.
1/1/2015 – 12/31/2015
Linkage Between Pediatric and Adult SCI Computer Test
Develop the study specific platform to collect pediatric and adult CAT and short forms, conduct analysis, analyze the data, create and validate linking estimates, and addist with interpretation and dissemination.
Role: Principal Investigator

1P30AG048785, NIH
Jette, Alan M.
10/14/2014 – 9/30/2019
The Boston Roybal Center for Active Lifestyle Interventions
The purpose of this Center is to support and foster research and research training in active aging.
Role: PI of Boston University Subcontract, Co-investigator

2U01AG32947-06A1, NIA
Jette, Alan M.
7/1/2014 – 6/30/2019
The purpose of this project is to continue the National Health and Aging Trends Study, a new platform for studying late life disability trends and trajectories.
Role: PI of Boston University Subcontract

1R01HD079439-01A1, Eunice Kennedy Shriver NICH&HD
Jette, Alan M.
4/03/2015 – 2/29/2016
Computerized Adaptive Testing to Direct Delivery of Hospital-Based Rehabilitation
The objective is to assist Mayo in delivering CAT for hospital-based rehabilitation by developing requisite data management programs and databases and by conducting IRT, validation, and responsiveness statistical analyses.
Role: Principal Investigator

90DP0055-01-02, NIDILRR
Jette, Alan M.
10/1/2013 – 9/30/2017
The overall goal of this proposal is to apply cutting edge world class psychometric Item Response Theory (IRT) and CAT methodologies to develop an adult outcomes assessment tool for purposes of modeling community participation of the patient following a burn injury.
Role: PI of Boston University Subcontract