

OTHER APPOINTMENTS

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| Major Administrative Leadership Positions | Director, Quantitative Science Program, Warren Alpert Medical School, Departments of Psychiatry and Human Behavior, 2013 – present Associate Director, Health and Social Policy Research, HSL/IFAR 2004-2013 Director, Mental Health and Aging Research, HSL/IFAR, 2004-2013 |
| Committee Service | Faculty Committee, HSL/IFAR, Member 1997-2013 and Chair 2003-2006 Institutional Review Board, HSL, Member 2006-2013, Chair 2006-2008 Senior Faculty Council, HSL/IFAR, Member 2009-2013, Chair 2011-2012 |
| National and International | Technical Expert Panel, <u>Statistical Methods for Quality Initiatives</u> , Center for Medicare and Medicaid Services Member 2005-2006, Technical Expert Consultation on <u>Functioning and Disability Measurement</u> , World Health Organization, December 2015 |
| Editorial Roles | Senior Associate Editor, <u>Alzheimer's & Dementia: Diagnosis, Assessment & Disease Monitoring</u> , 2014-present Statistical Editor, <u>Alzheimer's & Dementia</u> , 2013-present Assistant Editor, <u>Biostatistics. Journal of the American Geriatrics Society</u> , 2009-present Statistical Advisor, <u>Journal of Applied Gerontology</u> , 1/2022-12/2023 |
| Grant Review | Alzheimer's Drug Discovery Foundation, Scientific Review Board, Review Committee, Member 2021-present NIH/ NIA ZAG1 ZIJ NIA Loan Repayment Special Emphasis Panel Standing member and mail reviewer, 2011-present NIH/NIA ZAG1 ZIJ-R (M1) Pepper Center Review, January 2023 Swiss National Science Foundation, January 2022 NIH/SREA NIA Special emphasis section 10/1/2020 NIH Center for Scientific Review ZRG1-BDCN-W-92 8/8/2019 NIH Center for Scientific Review, ASG Study section, Standing Member, 7/2015-6/2019 MDUK Muscular Dystrophy UK, grant review, 2019 Wellcome Trust, London UK, Peer Review Intermediate Fellowships, Ad hoc 2015 |

Health Research Board, Ireland, 2013
National Health and Medical Research Council (Australia),
APP104510 (Project)
Academy of Finland, Panel 6, Health and Society, 2010
NIH/NIH Program Project Special Emphasis Panel Scientific
Review Group 2008 10 ZAG1 ZIJ-7(O1), Member, 2007-
2008
NIH/NIMH SRSP Review Group, Ad Hoc Member, 2007

HONORS AND AWARDS

Master of Arts *ad eundem*, Brown University, 2014
Top Reviewer Award, Journal of the American Geriatrics
Society, 2011, 2013, 2014
Exceptional Reviewer, Medical Care, 2007, 2008, 2010
Excellence in Tutoring, Harvard Medical School, Clinical
Epidemiology AC701 First year medical students. 2009
NIMH Traineeship in Psychiatric Epidemiology, Johns
Hopkins University, Pre-doctoral T32 award, 1995-1998
Edgar C. Hayhow Award, 2021, Outstanding Paper *Can
Organizational Leaders Sustain Compassionate, Patient-
Centered Care and Mitigate Burnout?* Shared with Beth Lown
and Andy Shin. American College of Healthcare Executives

MEMBERSHIP IN SOCIETIES

Gerontological Society of America, 1998-present
Founding member Gerontological Society of America,
Measurement Statistics and Research Design (MSRD)
Interest Group, Chair 2002-2004
American Geriatrics Society, 2009-present

PUBLICATIONS LIST

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. Gallo JJ, Schoen R, **Jones RN**. Cognitive impairment and syndromal depression in estimates of active life expectancy: the 13-year follow-up of the Baltimore Epidemiologic Catchment Area sample. *Acta Psychiatr Scand*. 2000;101(4):265-73. doi: 10.1111/j.1600-0447.2000.tb10924.x. PubMed PMID: 10782545; PMCID: PMCID not applicable.
2. **Jones RN**, Gallo JJ. Dimensions of the Mini-Mental State Examination among community dwelling older adults. *Psychol Med*. 2000;30(3):605-18. doi:

- 10.1017/s0033291799001853. PubMed PMID: 10883716; PMCID: PMCID not applicable.
3. Kiely DK, Simon SE, **Jones RN**, Morris JN. The protective effect of social engagement on mortality in long-term care. *J Am Geriatr Soc.* 2000;48(11):1367-72. Epub 2000/11/18. doi: 10.1111/j.1532-5415.2000.tb02624.x. PubMed PMID: 11083310; PMCID: PMCID not applicable.
 4. **Jones RN**, Gallo JJ. Education bias in the mini-mental state examination. *Int Psychogeriatr.* 2001;13(3):299-310. doi: 10.1017/s1041610201007694. PubMed PMID: 11768377; PMCID: PMCID not applicable.
 5. Mahoney D, Tarlow B, **Jones RN**, Tennstedt S, Kasten L. Factors affecting the use of a telephone-based intervention for caregivers of people with Alzheimer's disease. *J Telemed Telecare.* 2001;7(3):139-48. PubMed PMID: WOS:000169191100002; PMCID: PMCID not applicable.
 6. **Jones RN**, Gallo JJ. Education and sex differences in the mini-mental state examination: effects of differential item functioning. *J Gerontol B Psychol Sci Soc Sci.* 2002;57(6):P548-58. Epub 2002/11/12. doi: 10.1093/geronb/57.6.p548. PubMed PMID: 12426438; PMCID: PMCID not applicable.
 7. Leveille SG, Bean J, Bandeen-Roche K, **Jones RN**, Hochberg M, Guralnik JM. Musculoskeletal pain and risk for falls in older disabled women living in the community. *J Am Geriatr Soc.* 2002;50(4):671-8. doi: 10.1046/j.1532-5415.2002.50161.x. PubMed PMID: 11982667; PMCID: PMCID not applicable.
 8. Mahoney DF, Tarlow BJ, **Jones RN**, Sandaire J. Effects of a multimedia project on users' knowledge about normal forgetting and serious memory loss. *J Am Med Inform Assoc.* 2002;9(4):383-94. doi: 10.1197/jamia.m1021. PubMed PMID: 12087119; PMCID: PMC346625.
 9. Belle SH, Czaja SJ, Schulz R, Zhang S, Burgio LD, Gitlin LN, **Jones RN**, Mendelsohn AB, Ory MG, Investigators R. Using a new taxonomy to combine the uncombinable: integrating results across diverse interventions. *Psychol Aging.* 2003;18(3):396-405. doi: 10.1037/0882-7974.18.3.396. PubMed PMID: 14518803; PMCID: PMC2579277.
 10. Fries BE, Morris JN, Aliaga P, **Jones RN**. Risk adjusting outcome measures for post-acute care. *Am J Med Qual.* 2003;18(2):66-72. doi: 10.1177/106286060301800204. PubMed PMID: 12710555; PMCID: PMCID not applicable.
 11. **Jones RN**. Racial bias in the assessment of cognitive functioning of older adults. *Aging Ment Health.* 2003;7(2):83-102. doi: 10.1080/1360786031000045872. PubMed PMID: 12745387; PMCID: PMCID not applicable.
 12. **Jones RN**, Marcantonio ER, Rabinowitz T. Prevalence and correlates of recognized depression in U.S. nursing homes. *J Am Geriatr Soc.* 2003;51(10):1404-9. doi: 10.1046/j.1532-5415.2003.51458.x. PubMed PMID: 14511160; PMCID: PMCID not applicable.
 13. **Jones RN**, Morris JN, Marcantonio ER, Lipsitz LA. Satisfaction with primary care providers of older adults living in senior housing. *J Am Geriatr Soc.* 2003;51(4):582-3. doi: 10.1046/j.1532-5415.2003.51181.x. PubMed PMID: 12657094; PMCID: PMCID Not Applicable.

14. Kiely D, Bergmann M, Murphy K, **Jones RN**, Orav E, Marcantonio E. Delirium among newly admitted postacute facility patients: Prevalence, symptoms, and severity. *Journals of Gerontology Series a-Biological Sciences and Medical Sciences*. 2003;58(5):441-5. PubMed PMID: WOS:000182673400010; PMCID: PMCID not applicable.
15. Mahoney DF, **Jones RN**, Coon DW, Mendelsohn AB, Gitlin LN, Ory M. The Caregiver Vigilance Scale: application and validation in the Resources for Enhancing Alzheimer's Caregiver Health (REACH) project. *Am J Alzheimers Dis Other Demen*. 2003;18(1):39-48. Epub 2003/03/05. doi: 10.1177/153331750301800110. PubMed PMID: 12613133; PMCID: PMCID not applicable.
16. Mahoney DF, Tarlow BJ, **Jones RN**. Effects of an automated telephone support system on caregiver burden and anxiety: findings from the REACH for TLC intervention study. *Gerontologist*. 2003;43(4):556-67. Epub 2003/08/26. doi: 10.1093/geront/43.4.556. PubMed PMID: 12937334; PMCID: PMCID not applicable.
17. Marcantonio ER, Simon SE, Bergmann MA, **Jones RN**, Murphy KM, Morris JN. Delirium symptoms in post-acute care: prevalent, persistent, and associated with poor functional recovery. *J Am Geriatr Soc*. 2003;51(1):4-9. doi: 10.1034/j.1601-5215.2002.51002.x. PubMed PMID: 12534838; PMCID: PMCID not applicable.
18. Mor V, Angelelli J, **Jones RN**, Roy J, Moore T, Morris J. Inter-rater reliability of nursing home quality indicators in the U.S. *BMC Health Serv Res*. 2003;3(1):20. Epub 2003/11/04. doi: 10.1186/1472-6963-3-20. PubMed PMID: 14596684; PMCID: PMCID280691.
19. Hirdes JP, Fries BE, Morris JN, Ikegami N, Zimmerman D, Dalby DM, Aliaga P, Hammer S, **Jones RN**. Home care quality indicators (HCQIs) based on the MDS-HC. *Gerontologist*. 2004;44(5):665-79. Epub 2004/10/23. doi: 10.1093/geront/44.5.665. PubMed PMID: 15498842; PMCID: PMCID not applicable.
20. **Jones RN**, Fonda SJ. Use of an IRT-based latent variable model to link different forms of the CES-D from the Health and Retirement Study. *Soc Psychiatry Psychiatr Epidemiol*. 2004;39(10):828-35. doi: 10.1007/s00127-004-0815-8. PubMed PMID: 15669664; PMCID: PMCID not applicable.
21. Kiely D, Bergmann M, **Jones RN**, Murphy K, Orav E, Marcantonio E. Characteristics associated with delirium persistence among newly admitted post-acute facility patients. *Journals of Gerontology Series a-Biological Sciences and Medical Sciences*. 2004;59(4):344-9. PubMed PMID: WOS:000220835800006; PMCID: PMCID not applicable.
22. Morris JN, **Jones RN**, Fries BE, Hirdes JP. Convergent validity of minimum data set-based performance quality indicators in postacute care settings. *Am J Med Qual*. 2004;19(6):242-7. doi: 10.1177/106286060401900603. PubMed PMID: 15620075; PMCID: PMCID not applicable.
23. Bergmann MA, Murphy KM, Kiely DK, **Jones RN**, Marcantonio ER. A model for management of delirious postacute care patients. *J Am Geriatr Soc*. 2005;53(10):1817-25. doi: 10.1111/j.1532-5415.2005.53519.x. PubMed PMID: 16181185; PMCID: PMCID not applicable.

24. **Jones RN**, Rosenberg AL, Morris JN, Allaire JC, McCoy KJ, Marsiske M, Kleinman KP, Rebok GW, Malloy PF. A growth curve model of learning acquisition among cognitively normal older adults. *Exp Aging Res.* 2005;31(3):291-312. doi: 10.1080/03610730590948195. PubMed PMID: 16036723; PMCID: PMC2908897.
25. Koehler M, Rabinowitz T, Hirdes J, Stones M, Carpenter GI, Fries BE, Morris JN, **Jones RN**. Measuring depression in nursing home residents with the MDS and GDS: an observational psychometric study. *BMC Geriatr.* 2005;5(1):1. Epub 20050101. doi: 10.1186/1471-2318-5-1. PubMed PMID: 15627403; PMCID: PMC546185.
26. Kuo HK, **Jones RN**, Milberg WP, Tennstedt S, Talbot L, Morris JN, Lipsitz LA. Effect of blood pressure and diabetes mellitus on cognitive and physical functions in older adults: a longitudinal analysis of the advanced cognitive training for independent and vital elderly cohort. *J Am Geriatr Soc.* 2005;53(7):1154-61. doi: 10.1111/j.1532-5415.2005.53368.x. PubMed PMID: 16108933; PMCID: PMC2763096.
27. Marcantonio ER, Kiely DK, Simon SE, John Orav E, **Jones RN**, Murphy KM, Bergmann MA. Outcomes of older people admitted to postacute facilities with delirium. *J Am Geriatr Soc.* 2005;53(6):963-9. doi: 10.1111/j.1532-5415.2005.53305.x. PubMed PMID: 15935018; PMCID: PMCID not applicable.
28. Gallo WT, Bradley EH, Dubin JA, **Jones RN**, Falba TA, Teng HM, Kasl SV. The persistence of depressive symptoms in older workers who experience involuntary job loss: results from the health and retirement survey. *J Gerontol B Psychol Sci Soc Sci.* 2006;61(4):S221-8. Epub 2006/07/21. doi: 10.1093/geronb/61.4.s221. PubMed PMID: 16855043; PMCID: PMC1513637.
29. Inouye SK, Zhang Y, Han L, Leo-Summers L, **Jones RN**, Marcantonio E. Recoverable cognitive dysfunction at hospital admission in older persons during acute illness. *J Gen Intern Med.* 2006;21(12):1276-81. Epub 20060911. doi: 10.1111/j.1525-1497.2006.00613.x. PubMed PMID: 16965558; PMCID: PMC1924736.
30. **Jones RN**. Identification of measurement differences between English and Spanish language versions of the Mini-Mental State Examination. Detecting differential item functioning using MIMIC modeling. *Med Care.* 2006;44(11 Suppl 3):S124-33. doi: 10.1097/01.mlr.0000245250.50114.0f. PubMed PMID: 17060819; PMCID: PMCID not applicable.
31. **Jones RN**, Yang FM, Zhang Y, Kiely DK, Marcantonio ER, Inouye SK. Does educational attainment contribute to risk for delirium? A potential role for cognitive reserve. *Journals of Gerontology Series a-Biological Sciences and Medical Sciences.* 2006;61(12):1307-11. PubMed PMID: WOS:000243701300013; PMCID: PMCID not applicable.
32. Kiely D, **Jones RN**, Bergmann M, Murphy K, Orav E, Marcantonio E. Association between delirium resolution and functional recovery among newly admitted postacute facility patients. *Journals of Gerontology Series a-Biological Sciences and Medical Sciences.* 2006;61(2):204-8. PubMed PMID: WOS:000235786600014; PMCID: PMCID not applicable.
33. Kiely DK, Volicer L, Teno J, **Jones RN**, Prigerson HG, Mitchell SL. The validity and reliability of scales for the evaluation of end-of-life care in advanced dementia. *Alzheimer Dis Assoc Disord.* 2006;20(3):176-81. Epub 2006/08/19. doi:

10.1097/00002093-200607000-00009. PubMed PMID: 16917188; PMCID: PMC2671933.

34. Kuo HK, **Jones RN**, Milberg WP, Tennstedt S, Talbot L, Morris JN, Lipsitz LA. Cognitive function in normal-weight, overweight, and obese older adults: an analysis of the Advanced Cognitive Training for Independent and Vital Elderly cohort. *J Am Geriatr Soc.* 2006;54(1):97-103. doi: 10.1111/j.1532-5415.2005.00522.x. PubMed PMID: 16420204; PMCID: PMC2834231.

35. Mitchell SL, Kiely DK, **Jones RN**, Prigerson H, Volicer L, Teno JM. Advanced dementia research in the nursing home: the CASCADE study. *Alzheimer Dis Assoc Disord.* 2006;20(3):166-75. doi: 10.1097/00002093-200607000-00008. PubMed PMID: 16917187; PMCID: PMC2675169.

36. Rudolph JL, **Jones RN**, Grande LJ, Milberg WP, King EG, Lipsitz LA, Levkoff SE, Marcantonio ER. Impaired executive function is associated with delirium after coronary artery bypass graft surgery. *J Am Geriatr Soc.* 2006;54(6):937-41. doi: 10.1111/j.1532-5415.2006.00735.x. PubMed PMID: 16776789; PMCID: PMC2398689.

37. Simon SE, Bergmann MA, **Jones RN**, Murphy KM, Orav EJ, Marcantonio ER. Reliability of a structured assessment for nonclinicians to detect delirium among new admissions to postacute care. *J Am Med Dir Assoc.* 2006;7(7):412-5. Epub 20060530. doi: 10.1016/j.jamda.2006.02.006. PubMed PMID: 16979083; PMCID: PMCID not applicable.

38. Wolinsky FD, Unverzagt FW, Smith DM, **Jones RN**, Stoddard A, Tennstedt SL. The ACTIVE cognitive training trial and health-related quality of life: Protection that lasts for 5 years. *Journals of Gerontology Series a-Biological Sciences and Medical Sciences.* 2006;61(12):1324-9. PubMed PMID: WOS:000243701300017; PMCID: PMCID not applicable.

39. Wolinsky FD, Unverzagt FW, Smith DM, **Jones RN**, Wright E, Tennstedt SL. The effects of the ACTIVE cognitive training trial on clinically relevant declines in health-related quality of life. *J Gerontol B Psychol Sci Soc Sci.* 2006;61(5):S281-7. Epub 2006/09/09. doi: 10.1093/geronb/61.5.s281. PubMed PMID: 16960242; PMCID: PMCID not applicable.

40. Inouye SK, Zhang Y, **Jones RN**, Kiely DK, Yang F, Marcantonio ER. Risk factors for delirium at discharge: development and validation of a predictive model. *Arch Intern Med.* 2007;167(13):1406-13. doi: 10.1001/archinte.167.13.1406. PubMed PMID: 17620535; PMCID: PMCID not applicable.

41. Kiely DK, **Jones RN**, Bergmann MA, Marcantonio ER. Association between psychomotor activity delirium subtypes and mortality among newly admitted postacute facility patients. *Journals of Gerontology Series a-Biological Sciences and Medical Sciences.* 2007;62(2):174-9. PubMed PMID: WOS:000247220400007; PMCID: PMCID not applicable.

42. Rudolph JL, **Jones RN**, Rasmussen LS, Silverstein JH, Inouye SK, Marcantonio ER. Independent vascular and cognitive risk factors for postoperative delirium. *Am J Med.* 2007;120(9):807-13. doi: 10.1016/j.amjmed.2007.02.026. PubMed PMID: 17765051; PMCID: PMCID not applicable.

43. Yang FM, **Jones RN**. Center for Epidemiologic Studies-Depression Scale (CES-D) item response bias found with Mantel-Haenszel method was successfully replicated using latent variable modeling. *J Clin Epidemiol*. 2007;60(11):1195-200. Epub 20070614. doi: 10.1016/j.jclinepi.2007.02.008. PubMed PMID: 17938063; PMCID: PMC2254214.
44. Inouye SK, Zhang Y, **Jones RN**, Shi P, Cupples LA, Calderon HN, Marcantonio ER. Risk factors for hospitalization among community-dwelling primary care older patients: Development and validation of a predictive model. *Med Care*. 2008;46(7):726-31. PubMed PMID: PMC2516963; PMCID: PMC2516963
45. Leveille SG, Kiel DP, **Jones RN**, Roman A, Hannan MT, Sorond FA, Kang HG, Samelson EJ, Gagnon M, Freeman M, Lipsitz LA. The MOBILIZE Boston Study: design and methods of a prospective cohort study of novel risk factors for falls in an older population. *BMC Geriatr*. 2008;8(1):16. Epub 20080718. doi: 10.1186/1471-2318-8-16. PubMed PMID: 18638389; PMCID: PMC2500010.
46. Marcantonio ER, Aneja J, **Jones RN**, Alsop DC, Fong TG, Crosby GJ, Culley DJ, Cupples LA, Inouye SK. Maximizing clinical research participation in vulnerable older persons: identification of barriers and motivators. *J Am Geriatr Soc*. 2008;56(8):1522-7. Epub 20080724. doi: 10.1111/j.1532-5415.2008.01829.x. PubMed PMID: 18662204; PMCID: PMC2562594.
47. Martin L, Poss JW, Hirdes JP, **Jones RN**, Stones MJ, Fries BE. Predictors of a new depression diagnosis among older adults admitted to complex continuing care: implications for the depression rating scale (DRS). *Age Ageing*. 2008;37(1):51-6. Epub 20071121. doi: 10.1093/ageing/afm162. PubMed PMID: 18033777; PMCID: PMCID not applicable.
48. Samelson EJ, Kelsey JL, Kiel DP, Roman AM, Cupples LA, Freeman MB, **Jones RN**, Hannan MT, Leveille SG, Gagnon MM, Lipsitz LA. Issues in conducting epidemiologic research among elders: lessons from the MOBILIZE Boston Study. *Am J Epidemiol*. 2008;168(12):1444-51. Epub 20081025. doi: 10.1093/aje/kwn277. PubMed PMID: 18953059; PMCID: PMC2727190.
49. Selim M, **Jones RN**, Novak P, Zhao P, Novak V. The effects of body mass index on cerebral blood flow velocity. *Clin Auton Res*. 2008;18(6):331-8. Epub 20080822. doi: 10.1007/s10286-008-0490-z. PubMed PMID: 18726054; PMCID: PMC2600600.
50. Yang FM, Cazorla-Lancaster Y, **Jones RN**. Within group differences in depression among older Hispanics living in the United States. *J Gerontol B Psychol Sci Soc Sci*. 2008;63(1):P27-32. PubMed PMID: PMC2366970; PMCID: PMC2366970.
51. Yang FM, Inouye SK, Fearing MA, Kiely DK, Marcantonio ER, **Jones RN**. Participation in activity and risk for incident delirium. *J Am Geriatr Soc*. 2008;56(8):1479-84. Epub 20080610. doi: 10.1111/j.1532-5415.2008.01792.x. PubMed PMID: 18547359; PMCID: PMC2575031.
52. Yang FM, **Jones RN**. Measurement differences in depression: chronic health-related and sociodemographic effects in older Americans. *Psychosom Med*. 2008;70(9):993-1004. Epub 20081103. doi: 10.1097/PSY.0b013e31818ce4fa. PubMed PMID: 18981269; PMCID: PMC2746732.

53. Zhang B, Mitchell SL, Bambauer KZ, **Jones RN**, Prigerson HG. Depressive symptom trajectories and associated risks among bereaved Alzheimer disease caregivers. *Am J Geriatr Psychiatry*. 2008;16(2):145-55. Epub 20080111. doi: 10.1097/JGP.0b013e318157caec. PubMed PMID: 18192497; PMCID: PMCID not applicable.
54. Fong T, Frearing M, **Jones RN**, Shi P, Marcantonio E, Rudolph J, Yang F, Kiely D, Inouye S. The Telephone Interview for Cognitive Status: Creating a crosswalk with the Mini-Mental State Exam. *Alzheimers & Dementia*. 2009;5(6):492-7; PMCID: PMC2783323.
55. Fong TG, **Jones RN**, Shi P, Marcantonio ER, Yap L, Rudolph JL, Yang FM, Kiely DK, Inouye SK. Delirium accelerates cognitive decline in Alzheimer disease. *Neurology*. 2009;72(18):1570-5. doi: 10.1212/WNL.0b013e3181a4129a. PubMed PMID: 19414723; PMCID: PMC2677515.
56. Givens JL, **Jones RN**, Inouye SK. The overlap syndrome of depression and delirium in older hospitalized patients. *J Am Geriatr Soc*. 2009;57(8):1347-53. Epub 20090603. doi: 10.1111/j.1532-5415.2009.02342.x. PubMed PMID: 19558475; PMCID: PMC2728175.
57. Hajjar I, Yang F, Sorond F, **Jones RN**, Milberg W, Cupples LA, Lipsitz LA. A novel aging phenotype of slow gait, impaired executive function, and depressive symptoms: relationship to blood pressure and other cardiovascular risks. *J Gerontol A Biol Sci Med Sci*. 2009;64(9):994-1001. Epub 20090617. doi: 10.1093/gerona/ glp075. PubMed PMID: 19535785; PMCID: PMC2720888.
58. **Jones RN**, Kiely DK, Marcantonio ER. Prevalence of delirium on admission to post-acute care is associated with a higher number of nursing home deficiencies. *Journal of the American Medical Directors' Association*. 2009;11(4):253-6. PubMed PMID: PMC2917205 NIHMS185616; PMCID: PMC2917205.
59. Kiely DK, Marcantonio ER, Inouye SK, Shaffer ML, Bergmann MA, Yang FM, Fearing MA, **Jones RN**. Persistent delirium predicts greater mortality. *J Am Geriatr Soc*. 2009;57(1):55-61. Epub 2009/01/28. doi: 10.1111/j.1532-5415.2008.02092.x. PubMed PMID: 19170790; PMCID: PMC2744464.
60. Mitchell SL, Teno JM, Kiely DK, Shaffer ML, **Jones RN**, Prigerson HG, Volicer L, Givens JL, Hamel MB. The clinical course of advanced dementia. *N Engl J Med*. 2009;361(16):1529-38. Epub 2009/10/16. doi: 10.1056/NEJMoa0902234. PubMed PMID: 19828530; PMCID: PMC2778850.
61. Newman LR, Lown BA, **Jones RN**, Johansson A, Schwartzstein RM. Developing a peer assessment of lecturing instrument: lessons learned. *Acad Med*. 2009;84(8):1104-10. doi: 10.1097/ACM.0b013e3181ad18f9. PubMed PMID: 19638781; PMCID: PMCID not applicable.
62. Rudolph JL, **Jones RN**, Levkoff SE, Rockett C, Inouye SK, Sellke FW, Khuri SF, Lipsitz LA, Ramlawi B, Levitsky S, Marcantonio ER. Derivation and validation of a preoperative prediction rule for delirium after cardiac surgery. *Circulation*. 2009;119(2):229-36. Epub 20081231. doi: 10.1161/CIRCULATIONAHA.108.795260. PubMed PMID: 19118253; PMCID: PMC2735244.

63. Sorond FA, Serrador JM, **Jones RN**, Shaffer ML, Lipsitz LA. The sit-to-stand technique for the measurement of dynamic cerebral autoregulation. *Ultrasound Med Biol*. 2009;35(1):21-9. Epub 20081002. doi: 10.1016/j.ultrasmedbio.2008.08.001. PubMed PMID: 18834658; PMCID: PMC2680703.
64. Teresi JA, Ocepek-Welikson K, Kleinman M, Eimicke JP, Crane PK, **Jones RN**, Lai JS, Choi SW, Hays RD, Reeve BB, Reise SP, Pilkonis PA, Cella D. Analysis of differential item functioning in the depression item bank from the Patient Reported Outcome Measurement Information System (PROMIS): An item response theory approach. *Psychol Sci Q*. 2009;51(2):148-80. Epub 2009/01/01. PubMed PMID: 20336180; PMCID: PMC2844669.
65. Tucker-Drob EM, Johnson KE, **Jones RN**. The cognitive reserve hypothesis: a longitudinal examination of age-associated declines in reasoning and processing speed. *Dev Psychol*. 2009;45(2):431-46. doi: 10.1037/a0014012. PubMed PMID: 19271829; PMCID: PMC3230274.
66. Wolinsky FD, Mahncke HW, Kosinski M, Unverzagt FW, Smith DM, **Jones RN**, Stoddard A, Tennstedt SL. The ACTIVE cognitive training trial and predicted medical expenditures. *BMC Health Serv Res*. 2009;9:109. Epub 20090629. doi: 10.1186/1472-6963-9-109. PubMed PMID: 19558724; PMCID: PMC2711068.
67. Wolinsky FD, Mahncke HW, Weg MW, Martin R, Unverzagt FW, Ball KK, **Jones RN**, Tennstedt SL. The ACTIVE cognitive training interventions and the onset of and recovery from suspected clinical depression. *J Gerontol B Psychol Sci Soc Sci*. 2009;64(5):577-85. Epub 20090717. doi: 10.1093/geronb/gbp061. PubMed PMID: 19617456; PMCID: PMC2728092.
68. Wolinsky FD, Vander Weg MW, Martin R, Unverzagt FW, Ball KK, **Jones RN**, Tennstedt SL. The effect of speed-of-processing training on depressive symptoms in ACTIVE. *J Gerontol A Biol Sci Med Sci*. 2009;64(4):468-72. Epub 20090130. doi: 10.1093/gerona/gln044. PubMed PMID: 19181719; PMCID: PMC2657170.
69. Yang FM, Marcantonio ER, Inouye SK, Kiely DK, Rudolph JL, Fearing MA, **Jones RN**. Phenomenological subtypes of delirium in older persons: patterns, prevalence, and prognosis. *Psychosomatics*. 2009;50(3):248-54. doi: 10.1176/appi.psy.50.3.248. PubMed PMID: 19567764; PMCID: PMC2705885.
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267. Arias F, Alegria M, Kind AJ, **Jones RN**, Trivison TG, Marcantonio ER, Schmitt EM, Fong TG, Inouye SK. A framework of social determinants of health for delirium tailored to older adults. *J Am Geriatr Soc.* 2022;70(1):235-42. Epub 20211025. doi: 10.1111/jgs.17465. PubMed PMID: 34693992; PMCID: PMC8742772.
268. Armstrong NM, Vieira Ligo Teixeira C, Gendron C, Brenowitz WD, Lin FR, Swenor B, Deal JA, Simonsick EM, **Jones RN**. Associations of dual sensory impairment with incident mobility and ADL difficulty. *J Am Geriatr Soc.* 2022;70(7):1997-2007. Epub 20220328. doi: 10.1111/jgs.17764. PubMed PMID: 35343588; PMCID: PMC9283239.
269. Briceno EM, Arce Renteria M, Gross AL, **Jones RN**, Gonzalez C, Wong R, Weir DR, Langa KM, Manly JJ. A cultural neuropsychological approach to harmonization of cognitive data across culturally and linguistically diverse older adult populations. *Neuropsychology.* 2022. Epub 20220428. doi: 10.1037/neu0000816. PubMed PMID: 35482625; PMCID: in process.
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271. Dillon ST, Otu HH, Ngo LH, Fong TG, Vasunilashorn SM, Xie Z, Kunze LJ, Vlassakov KV, Abdeen A, Lange JK, Earp BE, Cooper ZR, Schmitt EM, Arnold SE, Hshieh TT, **Jones RN**, Inouye SK, Marcantonio ER, Libermann TA, Group RS. Patterns and Persistence of Perioperative Plasma and Cerebrospinal Fluid Neuroinflammatory Protein Biomarkers After Elective Orthopedic Surgery Using SOMAscan. *Anesth Analg.* 2022. Epub 20220407. doi: 10.1213/ANE.0000000000005991. PubMed PMID: 35389379; PMCID: in process.
272. Helfand BKI, Tommet D, Detroyer E, Milisen K, Adamis D, Metzger ED, Marcantonio ER, Boudreaux ED, Inouye SK, **Jones RN**, group Bs. Delirium Item Bank:

- Utilization to Evaluate and Create Delirium Instruments. *Dement Geriatr Cogn Disord*. 2022;51(2):110-9. Epub 20220509. doi: 10.1159/000522522. PubMed PMID: 35533663; PMCID: in process.
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print:1-9. Epub 14 Jul. doi: 10.1017/S135561772300019X. PubMed PMID: 37448351; PMCID: PMCID in process.

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293. Cizginer S, Prohl EG, Monteiro JFG, Yildiz F, **Jones RN**, Schechter S, Patterson R, Klipfel A, Katlic MR, Daiello LA, Mujahid N, Neupane I, Cioffi WG, Ducharme M, Vrees MD, McNicoll L. Integrated postoperative care model for older colorectal surgery patients improves outcomes and reduces healthcare costs. *J Am Geriatr Soc*. 2023;71(5):1452-61. Epub 20230131. doi: 10.1111/jgs.18216. PubMed PMID: 36721263; PMCID: PMCID Not Applicable.

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BOOKS AND BOOK CHAPTERS

1. **Jones RN**. Data Analysis Issues. In: Lipsitz L, Bernard M, Chernoff R, Connelly C, Evans L, Foreman M, Hanlon J, Kuchel G, Wieland D, Studenski S, editors. *Multidisciplinary Guidebook for Clinical Geriatric Research*. Washington, D.C.: The Gerontological Society of America; 2006. p. 63-87.

2. Hirdes J, Curtin-Telegdi N, Mathias, Krista, Perlman CM, Saarela T, Kolbeinsson H, Valdimarsdottir R, Morris JN, Fries BE, Rabinowitz T, Martin L, Barbaree H, Brown GP, Stewart S, Smith TF, **Jones RN**, Baas R. *interRAI Mental Health Clinical Assessment Protocols (CAPs), 9.1: interRAI*; 2008.

3. **Jones R**. Latent growth curve models. In: Newsom J, N JR, Hofer S, editors. *Longitudinal data analysis: A practical guide for researchers in aging, health, and social sciences*. New York: Routledge; 2011. p. 271-90.

4. Newsom J, N JR, Hofer S. *Longitudinal data analysis: A practical guide for researchers in aging, health, and social sciences*. New York: Routledge; 2011. 271-90 p.

5. Teresi JA, **Jones RN**. Bias in psychological assessment and other measures. In: Geisinger K, Bracken B, Carlson J, Hansen J-I, Kuncel N, Reise S, Rodriguez M, editors. *APA handbook of testing and assessment in psychology, Vol 1: Test theory and testing and assessment in industrial and organizational psychology* APA handbooks in psychology. Washington, DC: American Psychological Association; 2013. p. 139-64.

OTHER NON-PEER-REVIEWED PUBLICATIONS

1. Kiely DK, **Jones RN**, Bergmann MA, Marcantonio ER. Delirium and functional recovery in elderly patients - Authors' response to letter by Speciale et al. *Journals of Gerontology Series a-Biological Sciences and Medical Sciences*. 2007;62(1):108. PubMed PMID: WOS:000247220200018.

2. Unverzagt FW, Smith DM, Rebok GW, Marsiske M, Morris JN, **Jones R**, Willis SL, Ball K, King JW, Koepke KM, Stoddard A, Tennstedt SL. The Indiana Alzheimer Disease Center's Symposium on Mild Cognitive Impairment. Cognitive training in older adults: lessons from the ACTIVE Study. *Curr Alzheimer Res.* 2009;6(4):375-83. doi: 10.2174/156720509788929345. PubMed PMID: 19689237; PMCID: PMC2729785.
3. Liu S, **Jones RN**, Glymour MM. Implications of Lifecourse Epidemiology for Research on Determinants of Adult Disease. *Public Health Rev.* 2010;32(2):489-511. doi: 10.1007/BF03391613. PubMed PMID: 24639598; PMCID: PMC3955391.
4. **Jones RN**, Manly J, Glymour MM, Rentz DM, Jefferson AL, Stern Y. Conceptual and measurement challenges in research on cognitive reserve. *J Int Neuropsychol Soc.* 2011;17(4):593-601. doi: 10.1017/S1355617710001748. PubMed PMID: 21411036; PMCID: PMC3289742.
5. Marcantonio ER, Bergmann MA, Kiely DK, Orav EJ, **Jones RN**. Response Letter to Dr. PitkÄlÄ and Colleagues. *Journal of the American Geriatrics Society.* 2011;59(1):168-9. doi: 10.1111/j.1532-5415.2010.03208.x. PubMed PMID: WOS:000286208200030.
6. Marcantonio ER, Saczynski JS, **Jones RN**. Cognitive Trajectories after Postoperative Delirium REPLY. *New England Journal of Medicine.* 2012;367(12):1164-5. PubMed PMID: WOS:000308861800022.
7. Mungas D, Crane PK, Gibbons LE, Manly JJ, Glymour MM, **Jones RN**. Advanced psychometric analysis and the Alzheimer's Disease Neuroimaging Initiative: reports from the 2011 Friday Harbor conference. *Brain Imaging Behav.* 2012;6(4):485-8. doi: 10.1007/s11682-012-9211-2. PubMed PMID: 23232798; PMCID: PMC3532555.
8. Templin TN, Hays RD, Gershon RC, Rothrock N, **Jones RN**, Teresi JA, Stewart A, Weech-Maldonado R, Wallace S. Introduction to patient-reported outcome item banks: issues in minority aging research. *Expert Rev Pharmacoecon Outcomes Res.* 2013;13(2):183-6. doi: 10.1586/erp.13.10. PubMed PMID: 23570428; PMCID: PMC4004066.
9. **Jones RN**. Practice and retest effects in longitudinal studies of cognitive functioning. *Alzheimer's & dementia (Amsterdam, Netherlands).* 2015;1(1):101-2. Epub 20150329. doi: 10.1016/j.dadm.2015.02.002. PubMed PMID: 27239496; PMCID: PMC4876890.
10. Cavallari M, Guttmann CR, **Jones RN**, Inouye SK, Alsop DC, Group SS. Reply: Neural substrates of vulnerability to post-surgical delirium with prospective diagnosis. *Brain.* 2016;139(Pt 10):e55. Epub 20160624. doi: 10.1093/brain/aww150. PubMed PMID: 27343260; PMCID: PMC5035815.
11. Cieza A, Oberhauser C, Bickenbach J, **Jones RN**, Ustun TB, Kostanjsek N, Morris JN, Chatterji S. Health is not just the absence of disease. *Int J Epidemiol.* 2016;45(2):586-7. doi: 10.1093/ije/dyw063. PubMed PMID: 27174840; PMCID: PMC4864884.
12. Fong TG, Inouye SK, **Jones RN**. Delirium, Dementia, and Decline. *JAMA Psychiatry.* 2017;74(3):212-3. Epub 2017/01/24. doi: 10.1001/jamapsychiatry.2016.3812. PubMed PMID: 28114516.

13. Shafi MM, Santarneckchi E, Fong TG, **Jones RN**, Marcantonio ER, Pascual-Leone A, Inouye SK. Advancing the Neurophysiological Understanding of Delirium. *J Am Geriatr Soc.* 2017;65(6):1114-8. Epub 20170206. doi: 10.1111/jgs.14748. PubMed PMID: 28165616; PMCID: PMC5576199.
14. Hayden KM, Inouye SK, Cunningham C, **Jones RN**, Avidan MS, Davis D, Kuchel GA, Tang Y, Khachaturian AS. Reduce the burden of dementia now. *Alzheimer's & dementia : the journal of the Alzheimer's Association.* 2018;14(7):845-7. Epub 20180628. doi: 10.1016/j.jalz.2018.06.3039. PubMed PMID: 29959910.
15. **Jones RN**. Cognitive Training Improves Cognitive Performance, but What Else? *J Am Geriatr Soc.* 2018;66(4):648-9. Epub 20180104. doi: 10.1111/jgs.15231. PubMed PMID: 29313880.

CORPORATE AUTHORSHIP OR MULTICENTER TRIALS

1. AGS/NIA Delirium Conference Writing Group Planning Committee and Faculty. The American Geriatrics Society/National Institute on Aging Bedside-to-Bench Conference: Research Agenda on Delirium in Older Adults. *J Am Geriatr Soc.* 2015;63(5):843-52. (*presenter*)

SCHOLARLY WORK PUBLISHED IN OTHER MEDIA

NON-PEER-REVIEWED

Latent Variable Methods Workshop

This is a website designed to provide information on upcoming workshops, as well as distribute all slides, handouts, data, and syntax used in previous latent variable methods workshops. Every summer we hold a three day workshop providing an introduction to latent variable data analysis.

<https://sites.google.com/site/lvmworkshop/>

QSP Workflow

This is a website devoted to distributing and discussing best practices for workflow in applied data analysis. Content is contributed by my working group at HSL/IFAR. We provide information on applied data analysis and workflow using Stata, R, Mplus, LaTeX, GraphViz, and other tools.

<https://sites.google.com/site/ifarwf/>

Phi Coefficient. Wikipedia entry. http://en.wikipedia.org/wiki/phi_coefficient

runmplus

runmplus is software for wrapping Mplus (Los Angeles, CA) within Stata (College Station, TX). The software is in the public domain (meaning it is freely distributed, not protected by copyright, and users may freely download, use, and modify). It is published in the Statistical Software Components (SSC) archive provided by the Research Papers in Economics (REPEC) archive at Boston College. The software is also distributed freely from my short course web site. I do not keep a record of users. Based on support and feature requests I know that runmplus has an international user base. The software streamlines the estimation of complex models using Mplus by facilitating data preparation and by including an output interpreter.

Jones, R. N. (2010). RUNMPLUS: Stata module to set up data for Mplus (Version S457154): Boston College Department of Economics. Retrieved from <http://ideas.repec.org/c/boc/bocode/s457154.html>

INVITED PRESENTATIONS

LOCAL

1. Applications of Modern Measurement in the Epidemiology of Aging / Invited Lecture Social Epidemiology Journal Club, Harvard School of Public Health, Department of Society, Health and Human Development (2006)
2. Latent Variable Modeling of Cognitive Reserve / Grand Rounds Beth Israel Deaconess Medical Center, Department of Medicine (2009)
3. Measurement and Methodology in Late Life Depression / Invited Lecture Harvard Medical School, Catalyst (2009)
4. Measurement Theory Considerations in Health Care Quality Assessment / Center for Gerontology and Healthcare Research, Brown University (2010)
5. Neuropsychological Profiles in Alzheimer's Disease and Cerebral Infarction: A Longitudinal MIMIC Model / Invited Lecture Harvard School of Public Health, Catalyst Biostatistics Seminar (2011)
6. Screening for Delirium: Applications of Item Response Theory in Deriving a New Tool / Invited Lecture (2011)
7. Anesthesia Grand Rounds, Brigham and Women's Hospital, Boston MA (2011)
8. The importance of reliability. November 9, 2018. CAS Rounds. Brown University School of Public Health

NATIONAL

1. Race/ethnicity and Late-Life Cognitive Function: A Study of Item Bias in the AHEAD Telephone Interview for Cognitive Status / Invited Lecture. University of Michigan, Institute for Social Research, Ann Arbor MI. 2001.
2. Applications of Psychometric Modeling in Research on Mental Health and Aging / Invited Lecture. Columbia University, Stroud Center for the Quality of Life. 2002.
3. Some approaches to longitudinal data analysis / Invited Pre-Conference Workshop. Gerontological Society of America, Boston MA. 2002.
4. Modern Measurement and the Assessment of Adult Cognitive Function / Invited Lecture. National Institutes of Health, National Institute on Aging, Intramural Research Program, Baltimore MD. 2003.
5. Applications of Item Response Theory in Aging Research / Invited Lecture. Yale Program on Aging and Claude D. Pepper Center for Older Americans Independence Center, New Haven CT. 2003.
6. Applications of Modern Measurement Techniques in Research on Mental Health and Aging / Invited Lecture. NIMH Advanced Center for Interventions and Services Research (ACISR): Depression and Aging, Department of Psychiatry, University of Pennsylvania, Philadelphia PA. 2004.
7. Unidimensionality: Issues and Implications in Applied Research / Invited Lecture. Advanced Psychometrics Workshop, University of Washington, Friday Harbor WA. 2004.

8. Longitudinal Data Analysis Using Mplus / Invited Lecture. Advanced Psychometrics Workshop, University of Washington, Friday Harbor WA. 2004.
9. Detecting Differential Item Functioning using Mplus/MIMIC Modeling / Invited Lecture. Advanced Psychometrics Workshop, University of Washington, Friday Harbor WA. 2004.
10. Approaches for Developing/Adapting Health-Related Concepts and Measures in Diverse Older Populations / Invited Lecture Pre-Conference Workshop. NIA Resource Centers for Minority Aging Research, Gerontological Society of America, Orlando FL. 2005.
11. IRT – Approaches to Measurement Using Mplus / Invited Lecture. Advanced Psychometrics Workshop, University of Washington, Friday Harbor WA. 2005.
12. Using the MIMIC Model to Detect Differential Item Functioning / Invited Lecture. Advanced Psychometrics Workshop, University of Washington, Friday Harbor WA. 2006.
13. Latent Growth Curve Models for Longitudinal Data Analysis using Mplus / Invited Lecture. Advanced Psychometrics Workshop, University of Washington, Friday Harbor WA. 2006.
14. Applications of Modern Measurement in the Epidemiology of Cognitive Aging / Invited Lecture. Cognitive Neuroscience Seminar, Taub Institute for Research on Alzheimer’s Disease and the Aging Brain. Gertrude H. Sergievsky Center, Columbia University College of Physicians and Surgeons, New York. 2006.
15. Multivariate Models in Aging Research: An Mplus Primer / Invited Lecture. Yale University Program on Aging, New Haven CT. 2008.
16. Structural Equations Modeling Approach to Measurement Noninvariance and Differential Item Functioning Detection / Invited Lecture. University of Washington, Quality of Life and Biobehavioral Cancer Prevention and Control Training Program, Seattle WA. 2009.
17. Latent Variable Modeling of Cognitive Reserve / Invited Lecture. Alzheimer’s Disease Research Centers Core Directors Meeting, Baltimore MD. 2009.
18. Latent Variable Modeling of Cognitive Reserve / Invited Lecture. Advanced Psychometrics Workshop, University of Washington, Friday Harbor WA. 2009.
19. Screening for Delirium: Applications of Item Response Theory in Deriving a New Tool / Invited Lecture. University of Washington, Seattle WA. 2009.
20. Longitudinal DIF in Physical Function Items. Detection using Multiple Group Structural Equation Modeling / Invited Lecture. PROMIS Psychometrics Summit III , Chicago IL. 2010.
21. Impact of DIF in CAT: A Simulation Study using the PROMIS Depression Item Bank / Invited Lecture. PROMIS Psychometrics Summit IV, Airlie VA. 2011.
22. Individual Assessments of Cognitive Change. Committee on the Public Health Dimensions of Cognitive Aging, Institute of Medicine, National Academy of Sciences. Washington, DC. April 10, 2014
23. (Mis-) Measurement of reserve. Cognitive Aging Summit III. National Institutes of Health, National Institute of Aging, April 6, 2017

24. Research on cognitive reserve. Reserve & Resilience Summit. National Institutes of Health, National Institute of Aging, September 10, 2019
25. Development and validation of tools for delirium research: Key Concepts. NIDUS/CEDARTREE 8th Annual Delirium Boot Camp. October 29, 2020, State College PA

INTERNATIONAL

1. An Overview of Structural Equation Modeling in Cognitive Aging Research / Pre-conference workshop (International Neuropsychological Society). 2011.
2. Applications of item response theory in the measurement of physical disability. Joint Statistical Meetings; August 7, 2013; Montreal, Quebec, Canada.
3. Harmonizing Measurements Across Studies of Dementia and Cognitive Aging. Alzheimer's Association International Conference, Data and Data Analytics Professional Interest Area Scientific Symposium, July 23, 2016, Toronto Ontario CANADA.
4. Item Analysis Project. Alzheimer's Association International Conference, Subjective Cognitive Decline Professional Interest Area Scientific Symposium, July 23, 2016, Toronto Ontario CANADA.
5. Cross-national Harmonization of Mental Status and Cognitive Performance Data: Suitability for Comparative Epidemiologic Research. Inserm Workshop: Recent Developments in Analysis of Patient-Reported Outcomes and Psychometric Data in Health. May 21, 2019, Bordeaux, France

GRANTS

Past

- 1997-2001 **TLC Telephone System for Alzheimer’s Family Caregivers (Mahoney, DF)**
U01AG013255
Co-Investigator
The goal of this study was to evaluate a technology-based intervention to support family caregivers of patients with Alzheimer’s disease.
- 2000 **Race, Ethnicity and Late-Life Cognitive Functioning (Jones, RN)**
R03 AG18690
Principal Investigator
The aim of this proposal was to conduct an item response theory (IRT) based item bias evaluation of cognitive assessments of very old persons. Item bias analyses were conducted to test the null hypotheses that, while holding constant group differences in underlying cognitive ability, the cognitive test items are (a) free from bias according to race/ethnicity, and (b) free from bias according to level of educational attainment.
- 2000-2006 **Trial to Reduce Delirium in Aged Post-Acute Patients (Marcantonio, ER)**
R01 AG017649
Co-Investigator
The goal of this study was to evaluate a cluster-randomized controlled trial for the amelioration of delirium among post-acute care patients.
- 2001-2006 **PROGRAM HEAL - Activating the Lives of Older Adults (Morris, JN)**
R01 AG017931
Co-Investigator
The goal of this project was to evaluate an applied intervention to promote activity among nursing home residents using community volunteers.
- 2002-2011 **Harvard Older Americans Independence Center (Lipsitz, LA)**
P60 AG008812
Core Director, Biostatistics and Evaluation Core
The goal of this project was to support pilot and developmental studies on the physiology of falls and functional limitations among older adults.
- 2003-2006 **ACTIVE Phase II: HRCA Field Site (Morris, JN)**
U01 NR004507
Co-Investigator
The goal of this study was to evaluate the effects of a randomized controlled trial of cognitive training programs for older adults at 5 years after intervention.
- 2003-2006 **Evaluation of the Massachusetts Extended Care Career Ladder Initiative (Jones, RN)**
Commonwealth Corporation, Massachusetts
Principal Investigator

The goal of this study was to evaluate the impact of the Commonwealth Corporation's Extended Care Career Ladder Initiative using administrative data.

- 2003-2004 **Aging and Course of Depressive Symptoms (Jones, RN)**
R03 AG021153
Principal Investigator
The aim of this study was to evaluate age changes in depressive symptoms over a wide age range (50+) and to evaluate sex and race/ethnicity differences in depressive symptom trajectories.
- 2004-2009 **The CASCADE Study: End-of-Life in Advanced Dementia (Mitchell, SL)**
R01 AG024091
Co-Investigator
The goal of this study was to describe the natural course and family decision making at the end-of-life for patients with advanced dementia.
- 2004-2010 **HRC/Harvard Research Nursing Home (Lipsitz, LA)**
P01 AG0004390
Core Director, Data Management and Analysis Core
The goal of this project was to mount a prospective community-based study of older persons and their experiences and risks for falls.
- 2005-2006 **Delirium and Survival in Post-Acute Care (Jones, RN)**
R03 AG025262
Principal Investigator
The aim of this study was to evaluate the impact of the occurrence of delirium among older patients admitted to post-acute care on risk of death.
- 2005-2009 **Understanding Disparities in Mental Status Assessment (Jones, RN)**
R01 AG025308
Principal Investigator
The goal of this study was to perform psychometric and statistical methods development for the detection of item bias, and to apply those tools to the detection of bias in the assessment of cognitive performance level across different race and ethnicity groups.
- 2006-2010 **Improving the Quality of Care in Nursing Homes (Morris, JN)**
R01 NR009071
Co-Investigator
The goal of this project was to evaluate a focused effort to integrate quality indicator performance data into care practice modifications in Massachusetts nursing homes.
- 2007 **Understanding Disparities in Mental Status Assessment – Supplement (Jones, RN)**
R01 AG025308-03S1
Principal Investigator
The goal of this study was to extend methods and applied research for item bias detection to from mental status to depression.

- 2007-2010 **Developing a Culturally- and Clinically-Sensitive Depression Instrument to Improve Screening Among Minority Older Adults with Cardiovascular Disease (Yang, PI)**
NARSAD Young Investigator Award
This study examined measurement bias in widely used depression screening instruments. A major product of this research is an dynamic or adaptive test of the severity of depression capable of being administered by computer or paper-and-pencil, based on the PROMIS (NIH Roadmap Patient Reported Outcomes Measurement Information System) Depression item bank. My role is as mentor and co-investigator.
- 2008-2011 **ACTIVE Phase III: HRCA Field Site (Morris, JN)**
U01 NR004507
This is the 10-year follow-up of more than 3000 elders enrolled in a randomized controlled trial of three cognitive training interventions.
- 2007-2012 **Improving Cognitive Outcome Precision and Responsiveness with Psychometrics (Crane, PK)**
R01 AG029672
Co-Investigator
This is a competing supplement to the Alzheimer's Neuroimaging Initiative. The goals are to improve psychometric test sensitivity to neuroimaging findings.
- 2008-2014 **Deriving and Validating a 3-Minute Diagnostic Assessment for Delirium (Marcantonio, ER)**
R01 AG030618
Co-Investigator
This is a project engaged in developing an improved screening tool for delirium. We are making use of modern measurement methods (e.g. item response theory).
- 2009-2014 **Patient Reported Outcomes in Clinical Care of Patients with HIV (Crane, PK)**
U01 AR057954
Co-Investigator
This is a NIH Roadmap PROMIS (Patient Reported Outcomes Measurement Information System) project with the aim of developing and evaluating computerized adaptive testing of patient reported outcomes in an HIV clinic. My expertise in measurement bias detection has led to my being invited to lead analyses in PROMIS. The PROMIS initiative is developing standard, flexible, and dynamic assessment tools for the assessment of the outcomes of health care accessing the patient's perspective. My role is to evaluate methodologies to detect and assess the impact of measurement bias (differential item functioning) when responses are collected with dynamic (computerized adaptive) approaches.
- 2013-2014 **Big Questions in Cognitive Aging: An Integrative Analysis (Gross, A)**
R03 AG045494
Co-Investigator

The goal of this project was to use several large epidemiologic studies with longitudinal data that administered different neuropsychological test batteries and harmonize the measures across study and scale to a nationally representative sample of older adults.

- 2009-2014 **Validation of PROMIS in Diverse Cancer Populations (Potosky, AL)**
U01 AR057971
Consultant 2009-2014
The goals of this project are evaluate the Patient Reported Outcomes Measurement Information System (PROMIS) measures of depression, fatigue, physical function, and social function in cancer patients. This study will provide evidence about whether there are differences in the measurements of these outcomes across different population groups. My role is to lead the analysis of measurement bias in the PROMIS domains. The research will provide data to inform changes to improve the measures and ultimately enable their wider use in health research.
- 2014-2017 **Treatment decisions for Perinatal Bipolar Disorder (Abrantes & Uebelacker, MPI)**
R34 MH103570
Co-Investigator
The goal of this study is to evaluate women's attitudes regarding treatment of bipolar disorder in the perinatal period, and to clarify the processes by which women make decisions to continue or discontinue medication treatment for bipolar disorder during this high risk period.
- 2017-2018 **Modulating impulsivity in suicidal adolescents with tDCS: a proof of concept study (Liu, PI)**
R21-MH112055
Co-Investigator
The purpose of this proof-of-concept study is to determine whether transcranial direct current stimulation (tDCS) may affect impulsive cognition and behavior in adolescent suicide attempters, in a three-group randomized design, through specific neural pathways (the right inferior frontal gyrus in the case of behavioral impulsivity and the left orbitofrontal cortex in the case of cognitive impulsivity), as assessed with electroencephalography (EEG) and event-related potentials (ERPs).
- 2015-2018 **Ecological Momentary Assessment of Behavioral and Psychosocial Predictors of Weight Loss following Bariatric Surgery (Bond & Thomas, MPI)**
R01 DK108579-01
Co-Investigator
The goal of this project is to recruit and follow a cohort of individuals who recently received bariatric surgery to address obesity, and identify the trajectory of weight changes and correlates variability in those trajectories.

- 2014-2019 **Mechanisms of circuit failure and treatments in patient-derived neurons in autism**
(Morrow, E)
R01 MH105442
Co-Investigator
This proposal involves the study of patient-derived stem cells using induced pluripotent stem cell technology.
- 2015-2019 **Autism-linked endosomal mechanisms in neuronal arborization and connectivity**
(Morrow, E)
R01 MH102418-01A1
Co-Investigator
Human mutations in endosomal NHE6 constitute a newly recognized, monogenic, autism-related disorder. The objective for this research proposal is to elucidate the mechanisms by which NHE6 mutations lead to defects in circuit development, and to test the ability of alkalinizing agents to normalize these mutant phenotypes in mouse in vitro and in vivo.
- 2014-2019 **Evaluation of the Coping Long Term with Active Suicide Program**
(Miller, I)
R01 MH101129
Co-Investigator
This project will evaluate an innovative intervention specifically designed to reduce suicidal behavior in a high risk group of suicidal inpatients.
- 2014-2019 **RCT of a tailored walking program to reduce stress among pregnant women**
(Battle, C)
R01 NR014540
Co-Investigator
The research involves a randomized controlled trial to contrast a prenatal walking program versus health education control among 152 pregnant women. Outcomes are depressive symptoms and maternal health and functioning, and infant neurobehavioral outcomes.
- 2014-2019 **Life Stressors, Impulsivity, and Adolescent Suicidal Behavior**
(Liu, R)
R01 MH101138
Co-Investigator
This project will examine how life stressors, different neurocognitive/neurobehavioral dimensions of impulsivity and loss-related experiences explain how past suicide attempts increase risk for future recurrences in a multiwave longitudinal study of 150 adolescent inpatients.

- 2014-2019 **Life Stressors, Impulsivity, and Adolescent Suicidal Behavior**
(Liu, R)
R01 MH101138
Co-Investigator
This project will examine how life stressors, different neurocognitive/neurobehavioral dimensions of impulsivity and loss-related experiences explain how past suicide attempts increase risk for future recurrences in a multiwave longitudinal study of 150 adolescent in-patients.
- 2015-2020 **Suicide Risk Reduction in the Year following Jail Release**
(Johnson & Weinstock, MPI)
U01 MH106660
Co-Investigator
The goal of this observational study is to recruit and follow a cohort of people following jail release for one year, and identify the incidence and predictors of suicidal behavior in this cohort.
- 2016-2020 **Exploring the role of inflammation in long-term cognitive decline following surgery and delirium**
(Inouye, PI)
Alzheimer's Drug Discovery Foundation (ADDF)
Co-Investigator
The aims of this project are to develop a predictive model for long-term cognitive decline following delirium, and to assess the correlation of plasma, CSF, and [11C]-PBR28 PET-imaging biomarkers of inflammation preoperatively and at one-month follow-up in a new sample of 35 patients undergoing major orthopedic surgery under spinal anesthesia.
- 2015-2020 **Efficacy of a Prenatal Yoga Intervention for Antenatal Depression**
(Battle, C)
R01 HD081868
This study will involve a randomized controlled trial to evaluate a gentle prenatal yoga class compared to a prenatal health education workshop in lowering depressive symptoms among pregnant women with antenatal depression.
- 2018-2020 **Meeting the End-of-life Care Needs of Nursing Home Residents with Advanced Alzheimer's Disease or Related Dementia: A Longitudinal Study of Pain and Depressive Symptoms (Belanger, E)**
R03-AG060241
Co-Investigator
The proposed research is relevant to public health because it addresses the management of pain and depressed mood, which are two common and distressing symptoms among advanced Alzheimer Disease or Related Dementia in the nursing home setting. This project is particularly relevant to the mission of the NIA because it capitalizes on existing administrative data to improve end-of-life care in ADRD, which has become the 6th leading cause of death in the US.

- 2017-2021 **Caregivers' reactions and experience: imaging dementia evidence for amyloid scanning CARE-IDEAS (Mor, V)**
R01-AG053934
Co-Investigator
This study will combine survey data, Medicare claims data, and IDEAS study data to examine how results from amyloid PET scans impact care seeking behavior, planning for the future, emotional well-being, and economic security of both the care partner and cognitively impaired patients.
- 2016-2021 **Network for investigation of Delirium across the US**
(Inouye, PI)
R24-AG054259
Co-investigator
This is a collaborative network to advance scientific research on the causes, mechanisms, outcomes, diagnosis, prevention, and treatment of delirium in older adults. The work of the Measurement and Harmonization Resource Core, which will be led by Dr. Jones and Co-Leader Dr. Dale Needham at Johns Hopkins University, is to establish a repository of delirium measures, and prepare recommendations on which measures should be used for specific circumstances. The goal of this activity is to enhance the quality and consistency of delirium measurement, and enable investigators to compare and share data across studies.
- 2015-2021 **Psychometric Integrative Technology for Cognitive Health Research (Jones, RN)**
R01-AG051170
Principal Investigator
The goal of this research is to harmonize cognitive assessments collected in the Health and Retirement Study and 15 international sister studies.

Current, Active

- 2018-2023 **Health and Retirement Study**
(Weir, PI)
U01-AG009740
Co-Investigator
Continuation of the Health and Retirement Study (HRS) through years 29-34. The HRS is the nation's pre-eminent resource for publicly-available data on the economic well-being and physical and mental health of its older population. Its longitudinal design allows rigorous examination of causal pathways among social, psychological, economic, and health variables and the impact of policy changes on these relationships.
- 2018-2023 **Health and Retirement Study Harmonized Cognitive Assessment**
(Langa, PI)
U01-AG058499
Co-Investigator
The Harmonized Cognitive Assessment Protocol (HCAP) is a major expansion to the data collected in the Health and Retirement Study (HRS), and provides rigorous and detailed

assessment of the level of cognitive functioning of HRS participants. This proposal is for the continuation of HCAP-related research in the HRS study through years 29-34.

- 2014-2025 **BASIL – Better Assessment of Illness: Delirium Severity Measures for Persons with and without Dementia** (Jones RN, Inouye SK, MPI)
R01-AG044518
Multiple Principal Investigator
The goal is to develop a Delirium Severity Toolkit, a dynamic set of new measures developed with expert clinical judgment using modern psychometric theory to capture the severity of delirium in various phenomenological presentations.
- 2008-2023 **Conference on Advanced Psychometric Methods in Cognitive Aging Research**
(Mungas, D)
R13-AG030995
Co-Investigator
This conference series is designed to promote the application of modern psychometric methods in research on cognitive decline associated with diseases of aging. I serve as an organizing committee member and as a faculty.
- 2010-2023 **Interdisciplinary Study of Delirium and its Long-Term Outcomes**
(Inouye, SK)
P01 AG031720
Project Leader, Project 4
Project 4: The Role of Reserve in Delirium (2010-2017): This project, The Role of Reserve in Delirium, was part of a program project involving a prospective observational epidemiologic study of delirium among 500 surgical patients. This project concerns the role of reserve on the occurrence and consequences of delirium following elective surgery. The major aims of this study are to: (1) develop both a specific and a general index of reserve that reflect brain reserve and cognitive reserve, and (2) evaluate the independent contribution of reserve facets to the risk for incident delirium, and (3) evaluate the independent contribution of reserve facets to the long-term consequences of delirium.
Project 4: Defining the Phenotype of Complicated Delirium (2018-2023): This is a renewal application for the SAGES Program Project. Dr. Jones will lead Project 4, which will develop a predictive model for cognitive decline following surgery and delirium. Project 4 will use qualitative and quantitative methods to empirically derive a new classification system for delirium subtypes based on post-delirium episode complications and cognitive decline.
- 2010-2023 **Interdisciplinary Study of Delirium and its Long-Term Outcomes**
(Inouye, SK)
P01-AG031720
Core Leader, Core C: Data Management and Statistical Analysis Core 2010-2013
Core Co-Leader Core C: Data Management and Statistical Analysis Core 2013-2025
The Data Management and Statistical Analysis Core processes, prepares, and analyses data for the Delirium program project.

- 2017-2023
(NCE) **Alzheimer’s Disease Neuroimaging Initiative Psychometrics (Crane, PK)**
R01-AG029672
Co-Investigator
his project involves secondary psychometric data analysis of the Alzheimer’s Disease Neuroimaging Initiative (ADNI) and Australian Imaging, Biomarkers, and Lifestyles of Ageing (AIBL) cohorts.
- 2020-2023 **The Circadian Molecular Clock is a Biomarker for Epilepsy in Pediatric Focal Cortical Dysplasia (Liu, Judy)**
R01-NS104428
Co-Investigator
The goals in this proposal are to identify the neural circuitry defects in the circadian transcription factor (Clock) and the mechanisms of Clock in epilepsy and test whether rescue of circadian defects raises seizure threshold.
- 2019-2023 **RCT to improve post-hospital treatment adherence for comorbid substance use and bipolar disorders (Gaudiano, B)**
R01-MH122870
This project will test a novel psychosocial intervention as an adjunct to treatment as usual for substance use disorders. The intervention, called “Integrated Treatment Adherence Program” (ITAP), is an innovative approach that combines brief in-person engagement sessions with brief follow-up phone sessions and family/significant other involvement as an adjunct to treatment as usual over 6 months. The intervention is designed to improve substance abuse, adherence, and other clinical outcomes among high-risk patients with co-occurring SUDs and bipolar disorder. This project is a clinical trial testing the efficacy of ITAP versus a Safety Assessment and Follow-up Evaluation (SAFE) comparison condition, both delivered as adjuncts to community treatment as usual.
- 2019-2023 **COBRE Center for Neurocircuits and Disease (CCND) (Greenberg, B)**
P20-GM130452
Core Leader: Research Design and Analysis Core
The COBRE Center for Neuromodulation (CCN) project is submitted as a Center of Biomedical Research Excellence (COBRE) in response to PAR-16-41. The CCN comprises three cores, one Administrative Core and two Research Cores (entitled the Design and Analysis Core, and the Neuromodulation and Neuroimaging Core, respectively). Both research cores will support a range of resources used by the COBRE junior investigators as well as planned CCN-funded pilot projects. Dr. Jones will serve as co-Core Leader of the Design and Analysis Core.
- 2019-2024 **Blood-brain barrier disruption as a biomarker for perioperative neurocognitive disorders: cognitive recovery after elective surgery (CREATES) study (Daiello, L)**
R01-AG058648
Co-Investigator

This study employs a novel brain imaging technique to investigate relationships between perioperative blood-brain barrier dysfunction and postoperative cognitive functioning (eg delirium and cognitive decline). The target sample are older adults undergoing major surgeries.

- 2019-2024 **Neurodegenerative mechanisms in Christianson syndrome and NHE6-related disorders (Morrow, E)**
R01-NS113141
Co-Investigator
The main objective of this proposal is to evaluate the mechanisms of neurodegeneration in Christianson syndrome and NHE6- related disorders.
- 2019-2024 **A culturally centered CBT protocol for suicidal ideation and suicide attempts among Latinx youth (Duarte-Velez, Y)**
R01-MD013907
Co-Investigator
The primary aim of the proposed research is to test the effect of a culturally centered treatment protocol, the Socio-cognitive behavioral therapy (SCBT), versus Treatment as Usual on suicidal thoughts and attempts, and depressive symptoms, in a clinical sample of Latinx adolescents. The study is trying to determine, if perspectives of Latin immigrant families and minority youth are considered if outcomes are better for this high-risk group.
- 2020–2025 **The Circadian Molecular Clock is a Biomarker for Epilepsy in Pediatric Focal Cortical Dysplasia (Liu, Judy)**
R01-NS104428
Co-Investigator
The goals in this proposal are to identify the neural circuitry defects in the circadian transcription factor (Clock) and the mechanisms of Clock in epilepsy and test whether rescue of circadian defects raises seizure threshold.
- 2020-2024 **Developing novel cognitive and neuroimaging markers of early Alzheimer’s disease pathologies (Oh, Hwamee)**
R01-AG068990
Co-Investigator
The goal of this study is to develop novel cognitive and neuroimaging markers to detect subtle cognitive and neural changes in association AD brain lesions.
- 2021-2026 **NIDUS II: Advanced-Stage Development and Utilization of the NIDUS Research Infrastructure to Advance Interdisciplinary Research in Delirium (Inouye/Jones MPI)**
R33-AG071744
Multiple Principal Investigator
The goal of this project is to further develop infrastructure supporting interdisciplinary research. The Brown team will primarily be involved in developing harmonized data sets integrating de-identified data from multiple clinical delirium research studies.

2021-2026 **A Cross-national Investigation of Socioeconomic and Cardiovascular Factors in Older Population Cognitive Health (Kobayashi, Lindsay)**
R01-AG070953
Co-Investigator
The goal of this project is to explore cross-national variability in cognitive performance among older adults. The project will make use of the Health and Retirement Study (HRS) and International Partner Study data collected with the Harmonized Cognitive Assessment Protocol (HCAP).

UNIVERSITY TEACHING ROLES

- 2003-2006 Clinical Epidemiology (AC701), Harvard Medical School, 8 first year medical students
- 2006-2013 Clinical Epidemiology and Population Health (AC511), Harvard Medical School, 8 first year medical students
- 2006-present Summer Workshop on Latent Variable Modeling in Aging Research. *Every summer since 2006 I have led a 3-day workshop on latent variable modeling. The didactic material is based in aging research, but the international audience includes students, post-docs and faculty from diverse fields (medicine, psychology, sociology, statistics). The workshop focus alternates between measurement models (e.g., factor analysis) and longitudinal data analysis. Workshop materials are freely distributed via the world wide web (see Professional educational materials or reports, in print or other media).*
- 2014 – Present Seminars in methodology in the clinical neurosciences. Quantitative Science Program, Brown University. Eight seminars or workshops are offered:
- QSP-01 Introduction to latent variable modeling
 - QSP-02 Measurement models, Item Response Theory and latent trait models
 - QSP-03 Longitudinal data analysis using latent variables
 - QSP-04 Design of randomized controlled trials in Psychology, Psychiatry, Neurology, and the Clinical Neurosciences
 - QSP-05 Analysis of randomized controlled trials in Psychology, Psychiatry, Neurology, and the Clinical Neurosciences
 - QSP-06 Seminar on advanced topics in controlled trials
 - QSP-07 Laboratory in data analysis using latent variables and structural equations.
 - QSP-08 Seminar on measurement in health research
 - QSP-12 Seminar: Introduction to Clinical Research

HOSPITAL TEACHING ROLES

- 2001
- Study Design for Observational and Intervention Research. Geriatrics fellows and gerontology post-docs, HSL/IFAR and BIDMC
- 2003, 2004 Everything You Need to Know about Epidemiology and Biostatistics in 40 Minutes or Less. Geriatrics fellows and gerontology post-docs, HSL/IFAR and BIDMC

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Age & Ageing
Alzheimer's & Dementia
American Journal of Epidemiology
American Journal of Geriatric Psychiatry
Annals of Neurology
Archives of Gerontology and Geriatrics
Brain
Brain Imaging and Behavior
BMJ Open
Canadian Journal on Aging
Clinical Nutrition
Dementia and Geriatric Cognitive Disorders
Depression and Anxiety
European Journal of Neurology
Geriatrics
Health Related Quality of Life
International Journal of Geriatric Psychiatry
International Psychogeriatrics
Journal of Applied Gerontology
Journal of the American Geriatrics Society
JAMA
JAMA Psychiatry
Journal of Alzheimer's Disease
Journal of Bone and Mineral Research
Journal of Epidemiology and Community Health
Journal of General Internal Medicine
Journal of Geriatric Psychiatry and Neurology
Journal of the International Neuropsychological Society
Journals of Gerontology: Medical Sciences
Journals of Gerontology: Social Sciences
Journal of Neurology, Neurosurgery & Psychiatry
Learning and Individual Differences
Medical Care
Neurobiology of Aging
Neuroepidemiology
Neuropsychology
Psychology and Aging
Psychological Assessment
Quality of Life Research
Research on Aging
Statistical Methods in Medical Research