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Professor of Human Development
Center for Gerontology
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Education

1981 - 1986 Ph.D. Quantitative Psychology
 University of California, Berkeley
 Berkeley, California

1983 - 1985 M.A. Biostatistics
 School of Public Health
 University of California, Berkeley
 Berkeley, California

1979 - 1981 B.A. Psychology
 University of California, Berkeley
 Berkeley, California

1977 - 1979 Psychology
 University of California, Santa Barbara
 Santa Barbara, California

Academic and Professional Experience

2014 – present Professor
 Department of Human Development and Center for Gerontology
 Virginia Tech

2015 – present Faculty Affiliate
 Department of Statistics
 Virginia Tech

2010 – 2014 Katherine Birck Professor of Nursing
 Director of Research
 School of Nursing
 Purdue University

2007 - 2010 Professor
 Director of Research
 School of Nursing
 Purdue University

2002 –2007 Associate Professor
 School of Nursing
 Purdue University

2001 – 2002 Associate Adjunct Professor of Medicine
 Department of Medicine,
 Division of Geriatrics

University of California, San Francisco

- 1998 - 2001 Assistant Adjunct Professor of Medicine
Director, Research Resource Lab
Department of Medicine
Division of Geriatrics
University of California, San Francisco
- 1993 - 1998 Senior Research Associate,
UCSF/Mt. Zion Center on Aging
Center for Clinical and Aging Services Research
San Francisco, California
- 1991 - 1993 Director, Behavioral Research
Department of Medicine
Division of Geriatrics
Medical College of Pennsylvania
Philadelphia, Pennsylvania
- 1988 - 1991 Research Psychologist
Philadelphia Geriatric Center
Philadelphia, Pennsylvania
- 1986 - 1988 Post-Doctoral Fellow
Institute for Health Care Policy and Aging Research
Rutgers University
New Brunswick, New Jersey

Honors and Memberships

- 2014 Elected honorary member of the Sigma Theta Tau International Honor Society of Nursing
- 2012 Member, Behavioral and Social Sciences Program Committee for the Gerontological Society of America
- 2011 Outstanding Professor for Interdisciplinary Mentoring, Center for Aging and the Life Course, Purdue University
- 2010 Elected Member-At-Large, Behavioral and Social Sciences Section, The Gerontological Society of America
- 2009 Outstanding Teaching Award for graduate level teaching in School of Nursing, Purdue University
- 2008 Friend of Nursing, Sigma Theta Tau National Nursing Honor Society
- 2006, 2010 Seed for Success Research Award. Purdue University.
- 2004 Faculty Enhancement Award, School of Nursing, Purdue University
- 2003– Present Fellow, The Gerontological Society of America
- 2002 – 2010 Member, American Geriatrics Society

- 1986 – Present Member, Gerontological Society of America
- 1985 Outstanding Teaching Assistant, University of California, Berkeley, Psychology Department
- 1981 Graduated with Honors with Distinction in General Scholarship
- 1981 Outstanding Senior Woman, University of California, Berkeley, Panhellenic Association

Research Grants Awarded

- 1989 **Sands LP**, Principal Investigator, Libon D and Windsor L, Co-Principal Investigators. The effects of Diabetes on older adults cognitive functioning. Philadelphia Geriatric Center Biomedical Pilot Grant of the National Institutes of Health Teaching Nursing Home Research Core NIHAG03934, \$5,000.
- 1991 **Sands LP**, Principal Investigator, Katz I and Doyle S, Co-Principal Investigators. Monitoring the elderly for cognitive change. Clinical Research Center Pilot Grant, Philadelphia Geriatric Center NIMH40380, \$97,678.
- 1992 Ira Katz, Principal Investigator, **Sands L** and Harner R, Co-Principal Investigators. Delirium reconsidered: Acute cognitive change in the aged. NIAAG11234, \$741,609.
- 1993 **Sands LP**, Principal Investigator. Detecting acute cognitive change in Alzheimer's patients. NIA-R29-AG11966, \$343,393.
- 1995 Wolkowitz O, Principal Investigator, Brod M, **Sands L**, Ghannam J, Yaffe K, Reus V, Co-Investigators. Longitudinal study of adrenocorticoids and functioning in Alzheimer's disease. Alzheimer's Association, 11R6-95-174,5% \$148,835.
- 1997 Buffum M, Principal Investigator, Brod M, **Sands L**, Miakowski C, Koin D, Stefani A., Co-Investigators. Pain management and behavioral outcomes in patients with Dementia. Department of Veterans Affairs, NRI-951922,20% \$221,900.
- 1998 Chren MM, Principal Investigator, **Sands L**, Shiboski S, Pitte J, Landefeld, S, Co-Investigators. Comprehensive outcomes of Nonmelanoma skin cancer. Department of Veterans Affairs, Health Services Research and Development Service, IIR97-010.2, 20%, \$476,500.
- 1998 Landefeld, CS, Principal Investigator, Chren, M. M., Max, W., **Sands, L. P.**, Sahay, A., Co-Investigators. Evaluation of the identification and early intervention program. California HealthCare Foundation, LAS001DRG,15% \$745,000.
- 2002 Dowling, G, Principal Investigator. **Sands, L.P.**, statistical consultant. Evaluating outcomes of adult day services. RRF 98-172 \$900,000. Sands LP. Subcontract to Purdue University from Institute on Aging. Statistical Consultant Evaluating outcomes of adult day services. 10/1/02-8/31/04, 15% Subcontract to Purdue University, \$40,000.
- 2002 Leung, J., Principal Investigator. **Sands, L.P.**, statistical consultant. Aging and perioperative outcomes. K24 AG00948 \$638,761. Subcontract to Purdue University 8/1/02-2/9/06, \$71,398.

- 2002 Alderman, M. Principal Investigator, **Sands L.P.** Consultant. Phone mail care system for homeless veterans. SFVAMC 10/1/02-9/30/04, (2002) Sands LP. Subcontract to Purdue University from the San Francisco VA Medical Center 10/1/02-9/30/04, \$14,000.
- 2003 Chang K, Principal Investigator. Dunlop S, **Sands LP**, Yehle K, Rudman S, Gunning P, Braswell M. Co-Investigators. A multimedia integrated learning tool for clinical nursing education. Purdue University ITaP Instructional Computing Services. 6/1/03-5/31/04, 1%, \$30,000.
- 2004 **Sands LP**, Principal Investigator. Covinsky K, McCabe G, Jennings K Co-Investigators. Progressive functional loss in elders with dependencies. National Institute on Aging, R01AG022090. 5/1/04-4/30-08. 34%, \$452,200.
- 2004 Edwards N., Principal Investigator, **Sands, L.P.**, Co-Investigator. Optimizing function in nursing home residents with moderate to severe Dementia: Influence of exercise and staff education. Indiana Division of Disability, Aging, and Rehabilitative Services. 10% 7/1/04-6/30/05, \$22,692.
- 2004 Baird C. Principal Investigator. Wilkerson S, Co-Investigator, **Sands L**, Program Evaluator. STEP-UP: Students to exemplary professionals (CAN to RN). 6/1/04 -5/30/07. HRSA, HHS. \$365,719.
- 2004 Knight S, Principal Investigator. Chren, MM, Kane, C, **Sands LP**, Barker J, Latini Co-Investigators. Improving assessment of patient preferences in localized prostate cancer. Department of Veterans Affairs, Health Services Research and Development Service IIR 02-142. 10% \$774,457, subcontract to Purdue University from the San Francisco VA Medical Center 4/1/04-12/31/08, \$48,311.
- 2006 **Sands L**. Principal Investigator. Weiner M, Craig B. Co-Investigators. Evaluating community-based long-term care for dementia patients. Alzheimers Association, IIRG-06-27339, 7/1/06-6/30/09. \$239,961.
- 2007 Cho H, **Sands L** (Co-Investigator/Mentor). Effects of gain- vs. loss-framed sun protection messages on rural Indiana adolescents. National Cancer Institute, R03CA128483. 12/1/07-11/30/09. \$ 146,669
- 2007 Lawley M (Principal Investigator), Muthuraman M, **Sands L** (Co-Investigators). Patient Scheduling for Primary Care Clinics: Theory and Implementation. National Science Foundation. 0729463, 8/1/07-7/31/10. \$459,334
- 2008 **Sands L**. Principal Investigator. Thomas J. Co-Investigator. Impact of Insufficient Community-based Long Term Care on Medicare Expenditures. Regenestrief Center for Healthcare Engineering Seed Grant. Discovery Park, Purdue University. 7/1/08-12/30/08, \$39,655.
- 2009 **Sands L**. Principal Investigator. Thomas J. Co-Investigator. Risks for Poor Surgical Outcomes among Elderly Patients. Regenestrief Center for Healthcare Engineering Seed Grant. Discovery Park, Purdue University. 1/1/08-12/30/09, 10% \$64,377.
- 2009 **Sands LP**. Principal Investigator. Lawley MA, Willis D. Co-Investigators. The impact of no show behavior on diabetes management. Regenestrief Center for Healthcare Engineering Seed Grant. Discovery Park, Purdue University. 7/1/09-6/30/10, \$40,000.
- 2009 Ferraro KF, Principal Investigator, Waters DJ, Fingerman KL and **Sands LP**, Co-Investigators. Interdisciplinary research on aging and the life course. National Institute on Aging. T32AG025671. 6/1/09-5/31/11, \$132,000.

- 2009 Leung JM, Principal Investigator. **Sands LP**, Kramer J, Covinsky K, Co-Investigators. Pathophysiology of post-operative delirium in older patients. National Institute on Aging. R01AG031795, 9/1/09 – 8/31/14, \$2,880,865. Subcontract to Purdue University \$247,691.
- 2010 **Sands LP**, Principal Investigator. Improving assessment of patient preferences in localized prostate cancer. Contract from the San Francisco Veterans Affairs Medical Center to Purdue University, 2/1/10 – 9/1/10; 10/1/10-7/30/11. \$30,000.
- 2010 **Sands LP**, Principal Investigator. Covinsky, K, Craig B, Thomas J, Stallard E, Co-Investigators. Prognostic Significance of Insufficient ADL Help on Health Outcomes/Utilization. National Institute of Health, National Institute on Aging, R01AG034160, 4/1/10 – 3/31/16, \$1,112,313.
- 2013 **Sands LP**, Contractor. Assessment of Patient Centered Care. Edith Nourse Rogers Memorial Veterans Hospital. 1/1/13 – 9/1/14 \$53,000.
- 2013 Pruchno R, Principal Investigator. **Sands LP**, Co-Investigator. Social Capital and Resilience of Older People Exposed to Hurricane Sandy. U.S. Department of Health and Human Services Office of the Assistant Secretary for Preparedness and Response, HITEP130008. 9/30/13 – 9/2915, \$681,289.
- 2014 Pruchno R, Principal Investigator. **Sands LP**, co-Investigator. Effects of Hurricane Sandy on Functional Limitation Trajectories of Older People. NIH R01 AG046463-01, 9/30/13-2018, \$2,321,562.
- 2015 Pruchno R, Principal Investigator. **Sands LP**, Co-Investigator. Health Consequences of Disaster-Related Disruptions in Home and Community-Based Supports. U.S. Department of Health and Human Services Office of the Assistant Secretary for Preparedness and Response. HITEP150028-01-00, 2/1/15- 1/31/17, \$268,527.
- 2015 Leung J, Principal Investigator. **Sands LP**, Co-Investigator. The Effects of Light vs Deep Anesthesia on Postoperative Cognitive Outcomes. National Institutes of Health, National Institute on Aging. R21 AG048456, 4/1/15 - 1 3/31/17, \$444,033.

Refereed Publications

Meredith WM, **Sands LP**. A note on latent trait theory and Bowker's test. Psychometrika, 52:269-271, 1987

Sands LP, Terry H, Meredith WM. Change and stability in adult intellectual functioning assessed by Wechsler item responses. Psychology and Aging, 4(1):-87, 1989.

Sands LP, Meredith. Effects of sensory and motor functioning on intellectual performance. Journal of Gerontology, 44(2):P56-P58,1989.

Posner J, Gorman K, Gitlin LN, **Sands LP**, Windsor L, Shaw C. Effects of exercise training in the elderly on the occurrence and time to onset of cardiovascular diagnoses. Journal of the American Geriatrics Society, 38:205-210,1990.

Katz IR, Mossey J, Sussman N, Muenz L, Harner R, Curlik SM, **Sands LP**. Bedside clinical and electrophysiological assessment: assessment of change in vulnerable patients. International Psychogeriatrics, 3(2):289-300,1991.

Gitlin LN, Lawton MP, Windsor LA, Kleban MH, **Sands LP**. In search of psychological benefits: exercise in healthy older adults. Journal of Aging and Health, 4(2):174-192.

Sands LP, Meredith WM. Hypertension and intellectual functioning. Journal of Gerontology: Psychological Sciences, 47(2):81-84,1992.

Sands LP, Katz I, Doyle S. Detecting subclinical change in cognitive functioning in older adults I: Explication of the method. The American Journal of Geriatric Psychiatry, 1(3):1-13,1993.

Libon DJ, Glosser G, Malamut BL, Scanlon M, Coslett HB, **Sands LP**. Periventricular white matter alterations, Binswanger's disease and dementia. Developmental Neuropsychology, 9(2):87-102,1993.

Libon DJ, Swenson R, Barnoski EJ, **Sands LP**. Clock drawing as an assessment tool for dementia. Archives of Clinical Neuropsychology, 8:405-415,1993.

Sands LP, Katz I, Doyle S. Detecting subclinical change in cognitive functioning in older adults II: Initial Validation of the method. The American Journal of Geriatric Psychiatry, 1:275-287,1993.

Libon DJ, Glosser G, Malmut EK, Goldberg E, Swenson R, **Sands LP**. Age, executive functions, and visuospatial functioning in healthy older adults. Neuropsychology, 8:38-43,1994.

Posner JD, McCully KK, Landsberg LA, **Sands LP**. Physical determinants of independence in mature women. Archives of Physical Medicine and Rehabilitation, 76:373-380,1995.

Katz IR, **Sands LP**, Difilippo S, D'Angelo K, Havner R. Use of prediction intervals to characterize electroencephalographic changes caused by diphenhydramine. The American Journal of Geriatric Psychiatry, 3(3): 206-216,1995.

Libon DJ, Malamut BL, Swenson R, **Sands LP**, Cloud BS. Further analyses of clock drawings among demented and non-demented older subjects. Archives of Clinical Neuropsychology, 11:193-205,1996.

- Libon DJ, Mattson RE, Glosser G, Kaplan E, Malamut BL, **Sands LP**, Swenson R, Cloud BS. A nine-word dementia version of the California Verbal Learning Test. The Clinical Neuropsychologist, 10(3):237-244,1996.
- Sands LP, Katz IR, DiFilippo S, D'Angelo K, Boyce A, Cooper T. Identification of drug-related cognitive impairment in older individuals: Challenge studies with diphenhydramine. American Journal of Geriatric Psychiatry, 5(2):156-166,1997.
- Yaffe K, Cauley J, **Sands LP**, Browner W. Apolipoprotein E Phenotype and Cognitive Decline in a Prospective Study of Elderly Community Women. Archives of Neurology, 34:1110-1114,1997.
- Glosser G, Friedman RB, Kohn SE, **Sands L**. Nonword spelling in patients with probable Alzheimer's disease. Brain and Language, 60(1):134-137,1997.
- Glosser G, Kohn SE, Friedman RB, **Sands LP**, Grugan P. Repetition of Single Words and Nonwords in Alzheimer's Disease. Cortex, 33(4):653-66,1997.
- Katz IR, **Sands LP**, Bilker W, DiFilippo S, Boyce A, D'Angelo K. Identification of medications that cause cognitive impairment in the elderly: the case of oxybutynin chloride. Journal of the American Geriatrics Society, 46(1):8-13,1998.
- Glosser G, Friedman RB, Kohn SE, **Sands LP**, Grugan P. Cognitive mechanisms for processing nonwords: Evidence from Alzheimer's Disease. Brain and Language, 63(1):32-49,1998.
- Glosser G, Kohn SE, **Sands L**, Grugan PK, Friedman RB. Impaired Spelling in Alzheimer's disease: a linguistic deficit? Neuropsychologia, 37(7):807-15,1999.
- Brod M, Stewart A, **Sands L**, Walton P. Quality of life in dementia: conceptualization and measurement, The Gerontologist, 39(1):25-35,1999.
- Oslin DW, Katz IR, **Sands LP**, Bilker W, DiFilippo SD, D'Angelo K. Examination of the cognitive effects of cimetidine in normal elderly volunteers. American Journal of Geriatric Psychiatry, 7(2):160-165,1999.
- Sands LP**, Katz IR, Schneider L. Assessing individual patients for cognitive benefits from acetyl cholinesterase inhibitors, Alzheimer Disease and Associated Disorders, 13(1):26-33,1999.
- Brod M, Stewart A, **Sands L**. Conceptualization of quality of life in dementia, Journal of Mental Health and Aging, 5(1):7-19,1999.
- *Phinney A, **Sands L**. Clinic versus home-based assessments of Alzheimer's patients, Clinical Gerontologist, 20(3):67-72,1999
- Yaffe K, Blackwell T, Gore R, **Sands L**, Reus V, Browner WS. Depressive symptoms and cognitive decline in nondemented elderly women: a prospective study. Archives of General Psychiatry, 56: 425-430,1999.
- Sands LP**, Phinney A, Katz IR. Monitoring Alzheimer's patients for acute changes in cognitive functioning, American Journal of Geriatric Psychiatry, 8(1):47-56,2000.
- Buffum MD, Miaskowski C, **Sands L**, Brod M. A pilot study of the relationship between discomfort and agitation in patients with dementia. Geriatric Nursing, 22(2):80-85,2000.

- Chren MM, Lasek RJ, Sahay AP, **Sands LP**. Measurement properties of Skindex-16: A brief quality-of-life measure for patients with skin diseases. Journal of Cutaneous Medicine and Surgery, 5:105-110, 2001.
- *Garg A, Chren MM, **Sands LP**, Matsui MS, Marenus KD, Feingold KR, Elias PM. Psychological stress perturbs epidermal permeability barrier homeostasis: implications for the pathogenesis of stress-associated skin disorders, Archives of Dermatology, 137(1):53-59, 2001.
- Covinsky KE, Eng C, Lui, LY, **Sands L**, Sehgal AR, Walter L, Wieland D, Eleazer GP, Yaffe K. Reduced employment in caregivers of frail elders: impact of ethnicity, patient clinical characteristics, and caregiver characteristics, Journal of Gerontology, V56A(11):M707-M713, 2001.
- *Steinman MA, **Sands LP**, Covinsky KE. Self-restriction of medications due to cost in seniors without prescription coverage: A national Survey. Journal of General Internal Medicine, 16:793-799, 2001.
- Katz IR, Curyto KJ, TenHave T, Mossey J, **Sands L**, Kallan MJ. Validating the diagnosis of delirium and evaluating its association with deterioration over a one-year period. American Journal of Geriatric Psychiatry. 9(2)148-159, 2001.
- *Phinney A, Wallhagen M, **Sands LP**. Exploring the meaning of symptom awareness and unawareness in dementia, Journal of Neuroscience Nursing; 34(2), 79-89, 2002.
- Yaffe K, Fox P, Newcomer R, **Sands L**, Lindquist K, Dane K, Covinsky K. Patient and caregiver characteristics and nursing home placement in patients with dementia. Journal of the American Medical Association, 287:2090-2097, 2002
- Mirmirani P, Maurer T, Berger T, **Sands L**, Chren MM. Skin-related quality of life in HIV-infected patients on highly active antiretroviral therapy. Journal of Cutaneous Medicine and Surgery, 6(1):10-15,2002.
- Sands LP**, Yaffe K, Stewart A, Lui L, Eng C, Covinsky K. The effects of acute illness on ADL decline over 1 year in frail older adults with and without cognitive impairment, Journal of Gerontology: Medical Sciences, 57A(7),M449-M454, 2002.
- Mehta K, Yaffe K, **Sands L**, Langa D, Covinsky K. Relative contributions of cognitive function and depressive symptoms on mortality in the elderly. Abstract. The Gerontologist, 42(1)S38-39, 2002.
- Sands LP**, Yaffe K, Covinsky K, Chren MM, Counsell S, Palmer R, Fortinsky R, Landefeld CS. Cognitive screening predicts magnitude of functional recovery from admission to 3 months after discharge in hospitalized elders. Journal of Gerontology: Medical Sciences, 58A(1)37-45,2003.
- Washburn A, **Sands L**, Walton P. Assessment of social cognition in frail seniors and its association with social functioning in the nursing home, Gerontologist, 43(2):203-212,2003.
- Covinsky KE, Eng C, Lui LY, **Sands LP**, Yaffe K. The last 2 years of life: functional trajectories of frail elders. Journal of the American Geriatrics Society, 51(4):492-498,2003.
- *Lindenberger EC, Landefeld S, **Sands LP**, Counsell S, Fortinsky R, Palmer R, Kresevic D, Covinsky K. Unsteadiness reported by older hospitalized patients predicts functional decline. Journal of the American Geriatrics Society, 51(5):621-626,2003.
- *Mehta K, Yaffe K, Langa K, Sands L, Whooley M, Covinsky K. Additive effects of cognitive function and depressive symptoms on mortality in older community living adults, Journal of Gerontology: Medical Sciences, 58A(5):461-467,2003.

*Chuang K, Covinsky K, **Sands, LP**, Fortinsky, Palmer R, Landefeld S. Diagnosis related group adjusted hospital costs are higher in older medical patients with lower functional status, Journal of the American Geriatrics Society, 51(12):1729-1734,2003.

Covinsky K, Newcomer R, Fox P, Wood J, **Sands L**, Dane K, Yaffe K. Patient and caregiver characteristics associated with depression in caregivers of patients with dementia. Journal of General Internal Medicine, 18(12):1006-1014, 2003.

Sands LP, Ferreira P, Stewart A, Brod M, Yaffe K. What explains differences between dementia patients' and their caregivers' ratings of patients' quality of life? The American Journal of Geriatric Psychiatry, 12(3):272-280, 2004.

Buffum M, **Sands LP**, Miaskowski C, Brod M, Washburn A. A clinical trial of the effectiveness of regularly scheduled versus as-needed administration of acetaminophen in the management of discomfort in older adults with dementia, Journal of the American Geriatrics Society, 52(7):1093-1097, 2004.

*Burton, E., Phillips, RS, Covinsky, K, **Sands, LP**, Goldman, L, Dawson, N, Conners, A, Landefeld, CS. The relation of the autopsy rate to physicians' beliefs and recommendations about autopsy. The American Journal of Medicine, 117,(4):255-261, 2004.

*Baird, C., **Sands LP**. Pilot study of the effectiveness of guided imagery and progressive muscle relaxation in reducing chronic pain and mobility difficulties of osteoarthritis. Pain Management Nursing, 5(3):97-104, 2004.

Chren, MM, Sahay, AP, **Sands, LP**, Maddock, L, Lindquist, K, Bertenthal, D, Bacchetti, P. Variation in care for nonmelanoma skin cancer in a private practice and a Veterans Affairs clinic. Medical Care, 42(10):1019-1026, 2004.

*Li AK, Covinsky K, **Sands LP**, Fortinsky R, Counsell S, Landefeld S. Reports of financial disability predict functional decline and death in older patients discharged from the hospital. Journal of General Internal Medicine, 20(2):168-174, 2005.

Moody-Ayers, S, Mehta, K, Lindquist, K, **Sands, L**, Covinsky, K. Black-white disparities in functional decline in older persons: The role of cognitive function. Journal of Gerontology: Medical Sciences, 60A(7):933-939, 2005.

Leung JM, **Sands LP**, Mullens A, *Wang Y, Vaurio L. Are preoperative depressive symptoms associated with postoperative delirium in geriatric surgical patients? Journal of Gerontology: Medical Sciences, 60A(12):1563-1568, 2005.

Sands LP, Landefeld CS, Moody-Ayers SM, Yaffe K, Palmer R, Fortinsky R, Counsell SR, Covinsky KE. Disparities between black and white patients in functional improvement after hospitalization for an acute illness, Journal of the American Geriatrics Society, 53(10):1811-1816, 2005.

*Holroyd-Leduc JM, **Sands LP**, Counsell SR, Palmer RM, Kresevic D, Landefeld CS. Risk factors for indwelling urinary catheterization among older hospitalized patients without a specific medical indication for catheterization. Journal of Patient Safety, 1(4):201-07, 2005.

*Vaurio L, **Sands LP**, *Wang Y, Mullen EA, Leung JM. Post-operative delirium: Importance of pain and pain management. Anesthesia and Analgesia, 102:1267-1273, 2006.

- *Fong HK, **Sands LP**, Leung JM. The role of post-operative analgesia in delirium and cognitive decline in elderly patients: A systematic review. Anesthesia and Analgesia, 102: 1255-1266,2006.
- Sands LP**, *Wang Y, McCabe G, Jennings K, Eng C, Covinsky K. Rates of acute care admissions for frail elders living with met vs. unmet ADL needs, Journal of the American Geriatrics Society, 54:339-344,2006.
- Washburn A, **Sands LP**. Social cognition in nursing home residents with and without cognitive impairment. Journal of Gerontology: Psychological Sciences, 61(3): P174-P179,2006.
- Leung J, **Sands L**, Vaurio L, and *Wang Y. Nitrous oxide does not change the incidence of post-operative delirium or cognitive decline in elderly surgical patients. British Journal of Anesthesia, 96(6):754-760,2006.
- Leung JM, **Sands LP**, Rico M., Peterson KC, Rowbothan MC and Dahl JB Pilot clinical trial of gabapentin to decrease post-operative delirium in older patients. Neurology,67:1251-1253,2006. (accompanied by editorial in Neurology 2006;67:1116-117).
- Nemetz PN, Tanglos E, **Sands LP**, Fisher WP Jr, Newman WP 3rd, Burton EC. Attitudes toward autopsy – an 8-state survey. MedGenMed,8(3): 80, 2006.
- Buffum MD, Sasso C, Sands LP, Lanier E, Yellen M, Hayes A. A music intervention to reduce anxiety before vascular angiography. Journal of Vascular Nursing, 24(3):68-73, 2006.
- *Baird CL & **Sands LP**. Effect of guided imagery with relaxation on health related quality of life of older women with osteoarthritis. Research in Nursing & Health, 29(5):442-451,2006.
- *Wang Y., **Sands LP**, Vaurio L., Mullen EA, and Leung JM. The effects of postoperative pain and its management on postoperative cognitive dysfunction. The American Journal of Geriatric Psychiatry, 15(1):50-59, 2007.
- *Holroyd-Leduc JM, Sen S, Bertenthal D, **Sands LP**, Palmer RM, Kresevic DM, Covinsky KE, Seth Landefeld C. The relationship of indwelling urinary catheters to death, length of hospital stay, functional decline, and nursing home admission in hospitalized older medical patients. Journal of the American Geriatrics Society, 55(2):227-33, 2007.
- *Bharmal MF, Weiner M, **Sands LP**, *Xu H, Craig BA, Thomas J 3rd. Impact of patient selection criteria on prevalence estimates and prevalence of diagnosed dementia in a Medicaid population. Alzheimer Disease and Associated Disorders, 21(2):92-100, 2007.
- Leung JM, **Sands LP**, *Wang Y, Poon A, Kwok P, Kane JP, Pullinger CR. Apolipoprotein e4 allele increases the risk of early postoperative delirium in older patients undergoing Non-cardiac Surgery, Anesthesiology, Sep;107(3):406-11, 2007.
- Sands LP**, *Xu H, Weiner M, Rosenmann M, Craig BA, Thomas J. Comparison of resource utilization for Medicaid dementia patients using nursing homes versus home and community based waivers for long-term care. Medical Care, 46(4):449-453, 2008.
- *Carey EC, Covinsky KE, Lui L, Eng C, **Sands LP**, Walter LC. Prediction of mortality in community-living frail elders with long-term care needs, Journal of the American Geriatrics Society, 56(1):68-75, 2008.

- *Sink K, Thomas J, *Xu H, Craig B, Kritchevsky, **Sands LP**. Dual use of bladder anticholinergics and cholinesterase inhibitors: Long-term functional and cognitive outcomes. Journal of the American Geriatrics Society,56(5):847-853, 2008.
- *Coddington J, **Sands LP**. Cost of health care and quality outcomes of patients at nurse managed clinics. Nursing Economics: The Journal for Health Care Leaders, 26(2):75-83, 2008.
- *Richards EL, Riner ME, **Sands LP**. A social ecological approach of community efforts to promote physical activity and weight management. J Community Health Nursing. 25(4):179-92, 2008.
- Sands LP**, *Xu, H, Craig BA, Eng C, Covinsky KE. Predicting change in functional status over quarterly intervals for disabled older adults. Aging Clinical and Experimental Research, 20(5):419-427, 2008.
- *Edwards N, *Gardiner M, Ritchie D, Baldwin K, **Sands LP**. Effect of exercise on negative affect in residents in special care units with moderate to severe dementia. Alzheimers Disease and Associated Disorders, 22(4):362-368, 2008.
- *Yehle K., **Sands L.**, Rhynders P., & Newton,G. The effect of shared medical appointments on knowledge and self-care in patients with heart failure: A pilot study. Heart & Lung, 38(1):25-33,2009.
- *Modi A, Weiner M, Craig BA, **Sands LP**, Rosenman MB, Thomas J. Concomitant use of anticholinergics with acetylcholinesterase inhibitors among Medicaid recipients with dementia and residing in nursing homes. Journal of the American Geriatrics Society, 57(7):1238-44, 2009.
- Leung J, **Sands L**,*Paul S, Joseph T, Kinjo S, Tsai T. Does postoperative delirium limit the use of patient-controlled analgesia in older surgical patients? Anesthesiology, 111(3):625-631, 2009.
- Leung J, **Sands L**. Long-term Cognitive Decline Is There a Link to Surgery and Anesthesia? Anesthesiology, 111(5): 931-93, 2009.
- *Xu H, Weiner M, *Paul S, Thomas III J, Craig BA, Rosenman M, Carney Doebbeling C, **Sands LP**. Volume of home- and community-based Medicaid Waiver services and risk of hospital admissions, Journal of the American Geriatrics Society, 58(1):109-115,2010.
- * Ahmed AH, **Sands LP**. Effect of Pre- and Postdischarge Interventions on Breastfeeding Outcomes and Weight Gain Among Premature Infants. Journal of Obstetric Gynecologic and Neonatal Nursing, 39(1):53-63, 2010.
- *Cho, H, **Sands, LP**, Wilson, KM. Predictors of summer sun safety practice intentions among rural high school students. American Journal of Health Behavior, 34(4):412-419, 2010.
- *Schmidt E, **Sands LP**, Weiss S, Dowling G, Covinsky K. Adult day health center participation and health related quality of life, The Gerontologist, 50(4):531-540, 2010.
- *Weinheimer EM, **Sands LP**, Campbell WW. A systematic review of the separate and combined effects of energy restriction and exercise on fat-free mass in middle-aged and older adults: Implications for sarcopenic obesity Nutrition Reviews, 68(7):375-88, 2010.
- *Tsai TL, Sands LP, Leung JM. An update on postoperative cognitive dysfunction. Advances in Anesthesia, 28(1):269-284, 2010.

- *Young J, Slebodnik M, **Sands L**. Bar code technology and medication administration error. Journal of Patient Safety, 6(2):115-120, 2010.
- *Daggy J, Lawley M, Willis D, Thayer D, Suelzer C, DeLaurentis P, Turkan A, Chakraborty S, **Sands L**. Using no-show modeling to improve clinic performance. Health Informatics Journal, 16(4):246-259, 2010.
- *Coddington J, **Sands L**, Edwards N, Kirkpatrick J, Chen S. Quality of health care in a pediatric nurse-managed clinic. Journal of the American Academy of Nurse Practitioners, V23(12):674-680, 2011.
- Leung JM, *Tsai TL, **Sands LP**. Preoperative frailty in older surgical patients is associated with early postoperative delirium. Anesthesia and Analgesia, 112(5):1199-1201, 2011.
- *Cho H, **Sands L**. Gain and Loss Frame Sun Safety Messages and Psychological Reactance of Adolescents. Communication Research Reports,28(4):308-317, 2011.
- *DeCrane SK, **Sands L**, *Ashland M, *Lim E, Tsai TL, *Paul S, Leung JM. Factors associated with recovery from early postoperative delirium. Journal of Perianesthesia Nursing, 26(4):231-241, 2011. (received the 2012Mary Hanna Memorial Journalism Award)
- *Kinjo S, **Sands LP**, *Lim E, *Paul S, Leung JM. Prediction of postoperative pain using path analysis in older patients. Journal of Anesthesia,26(1);1-8, 2012.
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- Franks M, Shields C, *Lim E, **Sands L**, Mobley S, Boushey C. I will if you will: Similarity in married partners' readiness to change health risk behaviors. Health Education and Behavior, V39(3):324-311, 2012.
- *Xu H, Covinsky KE, Stallard E, Thomas III J, **Sands LP**. Insufficient help for ADL disabilities and risk for all-cause hospitalization. Journal of the American Geriatrics Society,60;927-933, 2012, doi: 10.1111/j.1532-5415.2012.03926.x.
- Kinjo S, *Lim E, **Sands LP**, Bozic KJ, Leung JM. Does using a femoral nerve block for total knee replacement decrease postoperative delirium? BMC Anesthesiology, 12:4, 2012. doi:10.1186/1471-2253-12-4.
- *Weinheimer EM, Conley TB, Kobza VM, **Sands LP**, *Lim E, Janle EM, Campbell WW. Whey Protein Supplementation Does Not Affect Exercise Training-Induced Changes in Body Composition and Indices of Metabolic Syndrome in Middle-Aged Overweight and Obese Adults. Journal of Nutrition, 142(8);1532-1539, 2012. DOI: 10.3945/jn.111.153619
- Sands LP**, Xu H, Thomas III J, *Paul S, Craig BA, Rosenman M, Doebbeling CC, Weiner M. Volume of Home and Community Based Services and Time to Nursing-home Placement, Medicare and Medicaid Research Review, 2(3), E1-E21, 2012. doi: 10.5600/mmrr.002.03.a03
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- *Nuti LA, Lawley M, Turkcan A, Tian Z, Zhang L, Chang K, Willis DR, **Sands LP**. No-Shows to Primary Care Appointments: Subsequent Acute Care Utilization among Diabetic Patients. BMC Health Services Research, 12:304,2012, doi: 10.1186/1472-6963-12-304
- *DePalma G, Xu H, Covinsky KE, Craig BA, Stallard E, Thomas III J, **Sands LP**. Hospital Readmission among Older Adults Who Return Home With Unmet Need for ADL Disability. The Gerontologist. 53(3):454-61, 2013. doi: 10.1093/geront/gns103.. PMID: 22859438
- Behrends M, *DePalma G, **Sands L**, Leung J. Association between intraoperative blood transfusions and early postoperative delirium in older adults. Journal of the American Geriatrics Society, 61(3):365-70, 2013. PMID: 23496244
- *DeCrane SK, **Sands L**, *Young K, *DePalma G, Leung JM. Impact of Missing Data on Analysis of Postoperative Cognitive Decline (POCD), Journal of Applied Nursing Research, May: 26(2):929-940, 2013 doi: 10.1016/j.apnr.2012.11.001
- Erler C, Edwards NE, Ritchey S, Pesut DJ, **Sands L**, Wu J. Perceived patient safety culture in a critical care transport program. Air Medical Journal, 32(4):208-15, 2013. doi: 10.1016/j.amj.2012.11.002.
- Leung JM, **Sands LP**, Lim E, Tsai TL, Kinjo S. Does Preoperative Risk for Delirium Moderate the Effects of Postoperative Pain and Opiate Use on Postoperative Delirium? Am J Geriatric Psychiatry 21(10):946-56, 2013 doi: 10.1016/j.jagp.2013.01.069.
- Xu H, Daggy J, Yu D, Craig B, **Sands LP**. Joint modeling of medical cost and survival in complex sample surveys. Statistics in Medicine, 32(9):1509-23, 2013. doi: 10.1002/sim.5617
- *Foli, KJ, Lim, E, South, SC, & **Sands, LP**. 'Great expectations' of adoptive parents: Theory extension through structural equation modeling. Nursing Research, 63(1): 14-25, 2014. doi: 10.1097/NNR.0000000000000006
- Youngblom E, *De Palma G, **Sands LP**, Leung JM. The temporal relationship between early postoperative delirium and POCD in older patients: a prospective cohort study. Canadian Journal of Anesthesia, 61(12):1084-1092, 2014. PMID 25287962
- *Hebdon M, Abrahamson K, McComb S, Sands L. Transitioning patients to survivorship care: A systematic review. Oncology Nursing Forum, 41(6): 615-625, 2014. doi: 10.1188/14
- Foli KJ, Lim E., & **Sands L**. Comparison of relative and non-relative adoptive parent health status. Western Journal of Nursing Research, 37(3):320-41, 2015. doi: 10.1177/0193945913511708. Epub 2013 Nov 17.
- Hirsch J, *DePalma G, Tsai TT, **Sands LP**, Leung JM. Impact of Intraoperative Hypotension and Blood Pressure Fluctuations on Early Postoperative Delirium after Non-Cardiac Surgery. British Journal Anaesthesia. Online, 2015.
- He S, Craig BA, Xu H, Covinsky KE, Stallard E, Thomas J, Hass Z, **Sands LP**. Unmet need for ADL assistance is associated with mortality among older adults with mild disability. Journals of Gerontology: Medical Sciences, Online, 2015. doi: 10.1093/gerona/glv028

**Student, fellow, or faculty mentee*

Book Chapters

Turkcan, A., Nuti, L., DeLaurentis, P.-C., Tian, Z., Daggy, J., Zhang, L., Lawley, M., **Sands, L.** No-show Modeling for Adult Ambulatory Clinics. In B.T. Denton (ed.) Handbook of Healthcare Operations Management: Methods and Applications, Springer, 2013.

Selected Peer Reviewed Presentations at National Meetings

- 1986 Sands LP, Meredith WM, Terry H, Millsap R. Midlife intellectual development assessed by Wechsler item responses. Presented at the American Psychological Association annual meeting, Washington, D.C.
- 1988 Frazer D, Glicksman A, Sands LP, Libon D, Cooley S. Differential effects of depression and dementia on cognitive functioning of elderly clients. Presented at the 41st Annual Meeting of the Gerontological Society of America, San Francisco.
- 1988 Sands LP, Davis DM. Physical fitness and intellectual functioning. Presented at the 41st Annual Meeting of the Gerontological Society of America, San Francisco.
- 1989 Topp B, Windsor LA, Sands LP, Gorman K, Bleiman M, Cherkas L, Posner J. The Effect of exercise on morbidity patterns of healthy older adults. Presented at the 42nd Annual Meeting of the Gerontological Society of America, Minneapolis, MN.
- 1989 Windsor LA, Sands LP, Gorman K, Posner J. Transitory change in affect in young and old exercisers. Presented at the 42nd Annual Meeting of the Gerontological Society of America, Minneapolis MN.
- 1989 Sands LP, Meredith WM. Sex differences in cognitive aging. Presented at the 42nd Annual Meeting of the Gerontological Society of America, Minneapolis, MN.
- 1990 Sands LP, Libon D, Windsor LA, Posner J. The effects of diabetes on older adults cognitive functioning. Presented at the 3rd Cognitive Aging Conference, Atlanta GA.
- 1990 Libon DJ, Scanlon M, Swenson R, Sands LP. Senile Dementia of the Binswanger's Type (SDBT) and neuropsychological functioning. Presented at the 43rd Annual Meeting of the Gerontological Society of America, Boston, MA.
- 1991 Windsor-Landsberg LA, Sands LP, Posner J. How long do we feel good after exercise? Presented at the 44th Annual Meeting of the Gerontological Society of America, San Francisco, CA.
- 1991 Posner JD, Windsor-Landsberg LA, Sands LP, Gitlin LN. Physiological correlates of self-reported ability to perform four tasks of daily living. Presented at the 44th Annual Meeting of the Gerontological Society of America, San Francisco, CA.
- 1991 Sands LP, Doyle S, Katz I. Sensitivity of cognitive tests for detecting subclinical encephalopathy. Presented at the 44th Annual Meeting of the Gerontological Society of America, San Francisco, CA.

- 1992 Sands LP, Doyle S, Katz I. Detecting subclinical change in cognitive functioning in older adults. Presented at the 4th Cognitive Aging Conference, Atlanta GA.
- 1992 Posner J, McCully K, Landsberg L, Tycenski P, Hoffman M, Sands LP. Physical determinants of independence in older women. Presented at the 45th Annual Meeting of the Gerontological Society of America, Washington D.C.
- 1992 Wetterholt KL, McCully KK, Rodriguez SR, Landsberg LA, Sands LP. Assessing older adults' ability to perform household activities of daily living. Presented at the 45th Annual Scientific Meeting of the Gerontological Society of America, Washington, D.C.
- 1993 Katz I, Harner RN, Sands LP, Doyle S. Monitoring for CNS toxicity of drugs in the elderly. Presented at the 46th Annual Scientific Meeting of the Gerontological Society of America, New Orleans, LA.
- 1993 Sands LP, Katz I, Doyle S. Assessing changes in brain state due to drug toxicity with EEG measurements and cognitive tests. Presented to the 5th Cognitive Aging Conference, April, 1994, Atlanta, GA.
- 1994 Sands LP, Phinney A, DiFillippo S, Katz I. Short-term change in Alzheimer's patients cognitive functioning. Presented to the 47th Annual Scientific Meeting of the Gerontological Society of America, Atlanta, GA.
- 1996 Brod M, Stewart A, Sands LP, Walton P. The Dementia Quality of Life Rating Scale. Presented at the 49th Annual Scientific meeting of the Gerontological Society of America, Washington, D.C.
- 1996 Sands LP, Phinney A, Katz I. Predictors of Annual Change in Cognitive Functioning in Alzheimer's Patients. Presented at the 49th Annual Scientific meeting of the Gerontological Society of America, Washington, D.C.
- 1996 Katz I, Sands LP, Difillipo S, Boyce A, D'Angelo K. Self Reports of Confusion after Drug Challenge. Presented at the 49th Annual Scientific meeting of the Gerontological Society of America, Washington, D.C.
- 1997 Sands LP, Phinney A, Katz I. Anticholinergics and Excess Deterioration in Alzheimer's Patients. Presented at the 50th Annual Scientific meeting of the Gerontological Society of America, Cincinnati, OH.
- 1997 Brod M, Stewart A, Sands L. The Conceptualization of Quality of Life in Dementia Symposium: Defining and Assessing quality of Life in Alzheimer's Disease: Recent Advances. Presented at the 50th Annual Scientific meeting of the Gerontological Society of America, Cincinnati, OH.
- 1998 Sands LP, Meredith W, Phinney A. Effects of Practice on Alzheimer's Patient's Cognitive Performance. Presented at the 51st Annual Scientific meeting of the Gerontological Society of America, Philadelphia, PA.
- 1999 Sands LP, Yaffe K, Covinsky K, Chren MM, Counsell S, Landefeld. Cognitive Status and functional recovery after hospitalization for an acute illness. Presented at the 52nd Annual Scientific meeting of the Gerontological Society of America.

- 2000 Sands LP, Yaffe K, Covinsky K, Chren, MM, Counsell, S, Palmer R, Forrinsky R, Landefeld S. Cognitive status and daily functioning after hospitalization for an acute illness. Presented at the 2000 American Geriatrics Society Conference, Nashville, TN.
- 2000 Chren MM, Sahay AP, Sands LP. Variation in performance rates of therapy for nonmelanoma skin cancers. (Society of Investigative Dermatology Annual Meeting, May, Chicago, IL) J Invest Dermatol 2000; 114:774.
- 2000 Garg A, Chren MM, Sands LP, Matsui MS, Marenus KD, Feingold KR, Elias PM. Epidermal permeability barrier homeostasis: implications for the pathogenesis of stress-associated skin disorders. (Society of Investigative Dermatology Annual Meeting, May 1999, Chicago, IL) J Invest Dermatol 2000; 114:775.
- 2000 Sands LP, Yaffe K, Covinsky K, Chren, MM, Counsell, S, Palmer R, Forrinsky R, Landefeld S. Differences in functioning between African American and Caucasian patients after hospitalization for an acute illness. Presented at the 53rd Annual Scientific meeting of the Gerontological Society of America, Washington DC. The Gerontologist, 40(1)S270.
- 2001 Sands LP, Yaffe K, Covinsky K. The effects of admission for an acute illness and cognitive impairment on ADL loss in frail older adults. Presented at the 54th Annual Scientific Meeting of the Gerontological Society of America, Chicago, IL. The Gerontologist, 41(1)S349.
- 2002 Sands LP, Chren MM, Sahay A, Rassen A, Landefeld CS. Does a program to enhance referral to social work case management improve health outcomes and reduce costs for frail elders? Presented at the American Geriatrics Society Annual Meeting, Washington D.C.
- 2002 Sands LP. Preservation of Functioning in Persons with Dementia. Symposium presented at the 55th Annual meeting of the Gerontological Society of America, Boston, MA. The Gerontologist, 42(1)S77-78.
- 2002 Mehta K, Yaffe K, Sands L, Langa D, Covinsky K. Relative contributions of cognitive function and depressive symptoms on mortality in the elderly. Presented at the 55th Annual meeting of the Gerontological Society of America, Boston, MA. The Gerontologist, 42(1)S38-39.
- 2003 Moody-Ayers S, Mehta K, Lindquist K, Sands L, Covinsky K. Cognitive function explains black-white difference in functional decline and mortality. Presented at the 2003 Annual Meeting of the American Geriatrics Society, Baltimore MD. Journal of the American Geriatrics Society, 41(4)s150.
- 2003 Sands LP, Fereira P, Stewart A, Brod M, Yaffe K. Quality of life in persons with dementia: Should caregivers be asked? Presented at the 2003 Annual Meeting of the American Geriatrics Society, Baltimore MD. Journal of the American Geriatrics Society, 41(4)s134.
- 2003 Sands LP. Ethics in Research. Invited presentation to the First Annual American Nursing Association Conference on Ethics at Purdue University. September 19, 2003.
- 2003 Sands LP. Invited Discussant. Life Course Symposium. Purdue University September 17-18.
- 2003 Weiss S, Dowling G, Theophile V, Sands L. Effects of adult day care on self-reports of general health and social functioning in disabled older adults. Presented at the 56th Annual meeting of the Gerontological Society of America, Boston, MA. The Gerontologist, 43(1)64.

- 2003 Sands LP, Ferreira P, Stewart A, Brod M, Yaffe K. Does dementia caregivers' burden affect their reports of their relative's depression? Presented at the 56th Annual meeting of the Gerontological Society of America, Boston, MA. The Gerontologist, 43(1)272.
- 2004 Sands LP, Wang Y, Jennings K, McCabe G, Eng C, Covinsky K. Which frail elders are at risk for living in the community without needed ADL help? Presented at the 2004 meeting of the American Geriatrics Society, Las Vegas, NV. Journal of the American Geriatrics Society, 52(4)s33.
- 2004 Sands, LP, Wang, Y, McCabe, G, Eng, C, Covinsky, K. Consequences of frail elders living in the community without needed ADL help. Presented at the 57th annual meeting of the Gerontological Society of America, Washington DC. The Gerontologist, 44(1), 2004.
- 2005 Sands, LP, Moody-Ayers, S, Eng, C, Covinsky, K. Does Provision of All-Inclusive Care Reduce Functional Disparities between Black and White Frail Elders? Presented at the 2005 meeting of the American Geriatrics Society, Orlando, FL. Journal of the American Geriatrics Society, 53(4)s, 97, 2005.
- 2005 Wang, Y, Sands, LP, Vaurrio, L, Mullen, A, Leung, J. Effect of Postoperative Analgesia on Post-operative Cognitive Decline. Presented at the 58th annual meeting of the Gerontological Society of America, New Orleans. The Gerontologist, 45(1), 2005.
- 2005 Xu, H, Sands, LP, Craig, B, Eng C, Covinsky, K. Determinants of Change in ADL Functioning over Quarterly Intervals in Frail Elders. Presented at the 58th annual meeting of the Gerontological Society of America, New Orleans. The Gerontologist, 45(1), 2005.
- 2006 Sands LP, Xu H, Craig B, Eng C, Covinsky K. A prognostic model to predict death i three months in frail, community-living older adults. Presented at the 2006 meeting of the American Geriatrics Society, Chicago, IL. Journal of the American Geriatrics Society, 54(4)s27, 2006.
- 2006 Sink KM, Thomas J, Kritchevsky SB, Craig BA, Sands LP. Concomitant use of cholinesterase inhibitors and bladder anticholinergics accelerates functional decline. Presented at the 2006 meeting of the American Geriatrics Society, Chicago, IL. Journal of the American Geriatrics Society, 54(4)s127, 2006. Dr. Sink received the New Investigator Award for this presentation.
- 2006 Sands LP, Xu H, Weiner M, Rosenmann M, Craig B, Thomas J. Home and community based services as alternatives to nursing-home care for Medicaid recipients with dementia. Presented at the 59th annual meeting of the Gerontological Society of America, Dallas, Texas. The Gerontologist, 46(1)545-546, 2006.
- 2007 Sands LP, Xu H, Weiner M, Rosenman M, Craig B, Thomas J. Volume of home care received and nursing home admission among community-dwelling Medicaid members with dementia. Presented t the 2007 meeting of the American Geriatrics Society, Seattle, WA. Journal of the American Geriatrics Society, 55(4) s205, 2007.
- 2007 Sands LP, Xu H, Weiner M, Rosenman M, Craig B, Thomas J. Amount of Home Care Services is Associated with Time to Institutionalization among Medicaid Patients with Dementia. Presented at the 60th annual meeting of the Gerontological Society of America, San Francisco, CA. The Gerontologist, 47(1),533, 2007.

- 2008 Sands LP, Daggy J, Campbell W, Flynn M, Lemon A. Obesity and need for long-term care services. Presented at the 2008 meeting of the American Geriatrics Society, Washington DC. Journal of the American Geriatrics Society, 56(4), 2008.
- 2008 Sands LP, Xu H, Paul S, Weiner M, Doebelling C, Hancock E, Thomas J. Amount of Attendant Care is Associated with Risk of Hospitalization among Medicaid Waiver Recipients with Dementia. Presented at the 61th annual meeting of the Gerontological Society of America, National Harbor, MD. The Gerontologist, 48(Sp Iss 3)725.
- 2009 Xu H and Sands LP. Identifying Community-living ADL-disabled Adults who need Full-time Help. Presented at the 2009 meeting of the American Geriatrics Society, Chicago, IL. Journal of the American Geriatrics Society, 57(S1), 2009. S126-S127.
- 2009 Sands LP, Xu H, Weiner M, Doebelling C, Rosenman M, Craig B, Thomas J. Amount of formal caregiving is associated with risk for hospital and nursing home admissions. Presented to the 19th International Association of Gerontology and Geriatrics World Congress of Gerontology and Geriatrics. Paris, France, July, 2009 The Journal of Nutrition, Health and Aging V13, Suppl. 1, S365-366.
- 2009 Schmitt EM, Sands LP, Weiss S, Dowling G, Covinsky K. Quality of life and adult day health center participation. Presented at the 62nd annual meeting of the Gerontological Society of America,. The Gerontologist, 49(Sup 2)34.
- 2009 Sands LP, Xu H. Identifying individuals in need of full-time caregiving. Presented at the 62nd annual meeting of the Gerontological Society of America,. The Gerontologist, 49(Sup 2)274.
- 2009 Pressler KA*, Sands LP, Ferraro KF. Disease, disability, and devices: what determines older adults' adoption of mobility assistive devices? Presented at the 62nd annual meeting of the Gerontological Society of America, New Orleans, LA. The Gerontologist, 49(Sup 2)363.
- 2010 Sands LP. Psychometric Evaluation of a Patient Preferences Index. Presented during the preconference workshop: "Understanding Patient Preferences for Prevention and treatment" to the 31st Annual Society of Behavioral Medicine, Seattle. Annals of Behavioral Medicine V39, S2.
- 2010 Sands LP. Insufficient Personal Assistance for ADL Disability and Risk for Hospitalization among Community-Living Older Adults. Presented at the 63rd annual meeting of the Gerontological Society of America, New Orleans, LA. The Gerontologist, 50(Sup 1)12-13.
- 2010 Pressler KA*, Sands LP, Ferraro K. Do mobility assistive devices prevent hospitalizations for accidental falls or injuries among older adults? Presented at the 63rd annual meeting of the Gerontological Society of America, New Orleans, LA. The Gerontologist, 50(Sup 1)236.
- 2011 Yu D*, Xu H, Stallard PEJ, Sands LP, Craig BA, Covinsky KE, Thomas J III. Insufficient Help for ADLs Disabilities and Medicare Expenditures. Presented at the 64th annual meeting of the Gerontological Society of America, Boston, MA.
- 2011 He S*, Xu H, Sands LP, Stallard PE, Craig BA, Thomas J III, Covinsky KE. Insufficient Personal Assistance for ADL Disability and Risk for Death among Community-Living Older Adults. Presented at the 64th annual meeting of the Gerontological Society of America, Boston, MA.

- 2011 DePalma G*, Xu H, , Covinsky KE, Craig BA, , Stallard PE, Thomas J III, Sands LP. Insufficient ADL Help and Hospital Readmission. Presented at the 64th annual meeting of the Gerontological Society of America, Boston, MA.
- 2011 DeCrane S*, Sands LP, Young K. Impact of Missing Data on Analysis of Postoperative Cognitive Decline (POCD) Presented at the 64th annual meeting of the Gerontological Society of America, Boston, MA.
- 2012 He S*, Xu H, Craig B, Stallard E, Sands LP. Unmet Need for ADL Disability and Risk of Undesired Transitions. Presented at the 65th annual meeting of the Gerontological Society of America, San Diego, CA.
- 2012 DePalma G*, Sands LP. Help for ADL Difficulties and Future Emergency Department Utilization. Presented at the 65th annual meeting of the Gerontological Society of America, San Diego, CA.
- 2013 Sands LP. Development and Validation of a Risk Scoring System to Identify Older Adults at Risk for Unmet Need for ADL Disabilities. Presented at the 66th annual meeting of the Gerontological Society of America, New Orleans, LA.
- 2014 Haas, Z*, Sands LP. Resolution of Unmet Need for Assistance with ADL Disabilities Reduces Risk for Falling Session Title: New Research on Disability and Mobility. Presented at the 67th annual meeting of the Gerontological Society of America, Washington DC.

Invited National and Regional Professional Presentations:

- 1995 Sands LP, Phinney A. Variation in cognitive performance in Alzheimer’s Disease and implications for treatment. Presented to the May Principal Investigators meeting of the Department of Veterans Affairs Medical Center, Palo Alto and Stanford University.
- 1995 Sands LP, Phinney A. Short-term changes in cognitive functioning in Alzheimer’s patients. Presented for the January Grand Rounds Lecture to the medical staff of Laguna Honda Hospital, San Francisco.
- 1995 Sands LP, Phinney A. Alzheimer’s disease: progression of cognitive decline and implications for treatment. Presented for the February Psychiatry Grand Rounds Lecture at Mt. Zion Hospital, San Francisco.
- 1997 Sands LP. Evaluating Individual Alzheimer’s Patients: Implications for Treatment. Presented at the Geriatric Noon Conference, Kaiser Hospital.
- 1998 Sands LP. Early Detection. Presented at the UCSF National Center of Excellence in Women’s Health “Alzheimer’s Disease and Women: From Bench to Bedside and Beyond” conference. March 31.
- 1999 Sands LP, Yaffe K, Covinsky K, Chren, MM, Dane K, Lui L, Landefeld S. Cognitive status and functional recovery after hospitalization for an acute illness. Presented at the 1999 Northern California Epidemiology Network Conference, November, University of California, San Francisco.
- 2000 Sands LP, Yaffe K, Covinsky K, Chren, MM, Counsell, S, Palmer R, Fortinsky R, Landefeld S. Cognitive status and recovery after hospitalization for an acute illness. Presented at the Clinical Research Symposium, University of California, San Francisco, October.

- 2002 Sands, LP. Perioperative Neurocognitive Dysfunction: What is the difference between delirium and post-operative cognitive dysfunction. Presented to Anesthesia Grand Rounds, June, University of California, San Francisco, July.
- 2002 Sands LP, Yaffe K, Covinsky K, Chren, MM, Counsell, S, Palmer R, Forrinsky R, Landefeld S. Differences in functioning between African American and Caucasian patients after hospitalization for an acute illness. Presented at the Life Course Inequality Symposium., sponsored by the Gerontology Program, Purdue University, September 19.
- 2002 Sands LP. Differences in Functioning Between African American and Caucasian Patients After Hospitalization for an Acute Illness. Life Course Inequality Symposium, September 19. Gerontology Program, Purdue University.
- 2003 Sands LP. Cognitive Impairment: Implications for Everyday Functioning and Quality of Life Developmental Psychology Colloquium, Purdue University. March 10.
- 2004 Sands LP. Health consequences of frail elders living in the community with unmet ADL needs. Invited presentation to the IUPUI Regenstrief Institute, November 2.
- 2005 Sands, L.P. Using electronic medical records/claims data to develop healthcare policy. Discovery Park eHealth Infrastructure Workshop. November 14.
- 2005 Sands, LP. Positive effects of ADHC on physical and emotional functioning in disabled older adults. Invited presentation to the annual California Association for Adult Day Services, Palm Springs, CA, September 22 – 23.
- 2006 Sands, LP. Evaluating long-term care options for Medicaid patients with dementia. Invited presentation to the Regenstrief Center for Healthcare Engineering Delivering on Healthcare Conference, West Lafayette, IN, March 21.
- 2008 Sands, LP. Optimizing Pathways of Care for Medicaid Patients with Dementia. Regenstrief Center for Healthcare Engineering Spring Conference, April 22.
- 2009 Xu H and Sands LP. Identifying Individuals in Need of Full-time Caregiving. The 2004 Wave of National Long Term Care Survey: New Research Directions at the National Institutes of Health, May.
- 2009 Sands LP. Outcomes of Medicaid's Home and Community Based Long-term Care Program: Implications for Care Coordination. Transforming Healthcare Delivery: Care Coordination and Population Health. Fall 2009 Regenstrief for Healthcare Engineering Conference, September 29.
- 2009 Sands LP and Hancock E. Volume of Home Care Received, Hospitalization, and Nursing Home Admission among Older Community Dwelling Indiana Medicaid Members: Potential Implications for Policy-Makers. Indiana Geriatrics Society Annual Conference, October 2.
- 2010 Sands LP. Adult Day Health Care: Benefits for Participants. Presented to: Veterans' Administration Best Practices in The Continuum of Care: Innovative Models of Care for Older Adults. Little Rock, AR, April 21.
- 2012 Sands LP. Reducing Postoperative Delirium Using a Non-narcotic Adjuvant. American Delirium Society, 2nd Annual Conference, Indianapolis, IN, June 5.

National Grant Reviews

- 2014 National Institutes of Health, National Institute of General Medical Sciences, ad hoc reviewer, Support of Competitive Research Special Emphasis Panel ZGM1 TWD-8, April 1.
- 2013 Department of Veterans Affairs Center of Innovation Initiative, Scientific Merit Review Board Reviewer, HCN1 COIN Review, Arlington, VA February 13-14.
- 2012 Department of Veterans Affairs Health Services Research and Development Service, Scientific Merit Review Board Reviewer, CREATE, HCR-4, Boston, August 30.
- 2012 National Institute of Nursing Research, ad hoc reviewer, Assessing and Managing Symptoms in Individuals with Alzheimer's Disease, Scientific Review Group: ZNR1 REV-L 02 1, Assessing and Managing Symptoms in Individuals with Alzheimer's Disease, June 26.
- 2010 National Institutes of Health, Special Emphasis Panel, Population Sciences and Epidemiology, ZRG1 PSE-B 02 M, October 27-28.
- 2005 – 2009 Alzheimers Association Investigator Initiated Grant Review Panel
- 2009 National Institutes of Health, ad hoc reviewer, Neurological, Aging and Musculoskeletal Epidemiology Revision Application Study Section, June 5.
- 2009 National Institutes of Health, Challenge Grant Reviewer, RFA OD-09-003ZRG1 PSE-J (58) R, and RFA OD-09-003, ZRG1 PSE-C (58) R, July 20.
- 2008 National Institutes of Health, ad hoc reviewer, Neurological, Aging and Musculoskeletal Epidemiology Study Section, June 16-17.
- 2008 National Institute of Health, ad hoc reviewer, Health of the Population Member Special Emphasis Panel, May 15.

Editorial Service

- 2011 – present Member of the editorial Board, *The Gerontologist*

Reviewer

Medical Care
Journal of the American Geriatrics Society
The Gerontologist
Health Services Research
Psychology and Aging
Journals of Gerontology
Journal of Geriatric Psychiatry and Neurology
The American Journal of Geriatric Psychiatry
Journal of General Internal Medicine
Journal of Aging and Health
BMC Geriatrics
Appetite

Journal of Clinical Epidemiology
Quarterly Journal of Medicine
Journal of Applied Gerontology
Alzheimer's and Dementia

Teaching

2002 – Present School of Nursing, Purdue University, West Lafayette, IN
Nursing 208: Lifespan Human Development
Nursing 408: Research in Nursing
Nursing 626: Biostatistics
Nursing 624: Evidence Based Practice
Nursing 632: Health Policy Local to Global
Nursing 599: Research Seminar on Aging and the Life Course

Graduate Advising in the School of Nursing:

MS Thesis Committee Member:

Philip DeTurk – Nursing, May 2005, “Perceived and Actual Barriers to Men in Nursing
Meghan Gardiner – Nursing, May 2008,” Understanding Factors Associated with Recovery from Postoperative Delirium”
Kristen Deno – Nursing, May 2008, “Glucose Control in the Medical Patient: Bolus Insulin Dosing Compared to Basal-Bolus Insulin Dosing”
Melanie Rosswurm - Nursing, May 2008, “The Sustaining Effect of a Nurse Practitioner-Based Diabetes Care Management Program”
Megan Rowe – Nursing, May, 2008, “Understanding Young Women’s Knowledge, Perception and Risk Reduction Behavior Related to Coronary Heart Disease”
Lynn Nuti – Nursing, May 2008, “Assessing Nursing Faculty’s Attitudes and Perceptions of Simulation as a Teaching Strategy”
Emily Hilycord – Nursing, May 2008, “Prognostic Study of Total Joint Replacement within Two Years”
Megan Behrmann – Nursing, August 2009, “The Relationship between Perceptions of Support from Nursing Care Providers and Diabetic Management in Adolescents”

Doctor of Nursing Practice (DNP). Committee Member:

Michael Criswell, DNP, August 2008, “Critical Care Nurse’s Attitudes and Perceptions Regarding Unrestricted Family Visitation in an Intensive Care Unit”
Polly Royal DNP, August 2008, “Nurses Working Overtime and Risk for Cardiovascular Disease”
Melanie Braswell, DNP, May 2007, “Reducing Surgical Site Infections”
Susan McAlister, DNP, December 2008, “Vibrational Frequencies in Wound Healing”
Deborah Koester, DNP, May 2009, “Identification of Factors that Impact Delivery of Essential Public Health Services in Indiana Local Public Health Systems”
Laura Beamer, DNP, May 2009, “Preventive and Screening Health Behaviors in the Presence of a Family History of Cancer”
Jennifer Coddington, DNP, May 2009, “Quality of Care and Policy Barriers to Providing Health Care at a Pediatric Nurse Managed Clinic”
Mary Ann Caswell, DNP, May 2009, Evaluation of the Impact of High-fidelity Simulation on Competence and Confidence in Knowledge Transference by Nursing Students”
Deanna Staples, DNP, December 2009, “Emergency Preparedness: An after Action Analysis of the 2009 Kentucky Ice Storm”
Mary Browning, DNP, May 2010, “Ambulatory Patient Safety Culture: A Staff Perspective”
Yvonne Culpepper, DNP, May 2010, “Differences in Staff’s Perception of Safety Cultures over Time”
Cheryl Erler – DNP, August 2010, “Organizational Variables and Perceived Patient Safety of Health Care Providers in a Critical Care Transport Program”
Becky Horn – DNP, December 2010, “Drug Recovery Retention in Women Who Have Participated in Prenatal Substance Treatment”

Inna Savikhin – DNP, December 2010, “The Association between Parental Psychological Stress and Negative Health Outcomes in their Adolescents age 13-18 years old”
Christine Balt – DNP, August, 2011, “The Development, Implementation, and Evaluation of an Evidence-Based Practice Guideline for Anal Cancer Screening in Persons with HIV Infection.”

Doctor of Nursing Practice (DNP). Committee Chair:

Terry Ridge, DNP, August, 2009, “A Randomized Comparative Trial between Standard Office Visits and Group Office Visits in Adults with Type 2 Diabetes”
Diane DeBerry, DNP, May, 2010, “Risk for Postoperative Complications in Older Patients undergoing Elective Hip and Knee Arthroplasty”
Rachel Waltz – DNP, December 2010, “The Impact of Using a Waterless Milk Warming System on Gastric Residual, GI Symptoms, O2 Consumption, Weight Gain and Length of Stay in the Neonatal Intensive Care Unit”
Margie McCaskey, DNP, August, 2011, “Transferring Central Line Care Evidence Into Practice on Pediatric Acute Care Units.”
Lynn Nuti, DNP, August, 2011, “Diabetic Outpatients and No-shows to Primary Care Provider Appointments”
Earlie Hale – DNP December 2011, “Stool Consistency in Older Adults Living in Nursing Homes”
Judy Young, DNP, “Nursing Workload Measurement Approaches Utilized for Nurse Staffing Decision-making,” December 2011
Sue Colisimo, DNP, “Elderly Veterans’ Recall of their Medications,” Dec 2012

Interdisciplinary Graduate Advising:

MS Committee Member:

Tetyana Shippee – Sociology, May 2006
Sankaranarayanan Guruprasad – Industrial Engineering, May 2006
Hailey Lawyer – Foods and Nutrition, May 2008,
Jennifer Faith – Foods and Nutrition, May 2009
Vanessa, Kobza – Foods and Nutrition, MS, May 2011

PhD Committee Member:

Pei Chun Chen - Sociology, Ph.D. December, 2004
Yun Wang – Statistics, Ph.D. August, 2005
Minerva Cruz. – Political Science Ph.D. August, 2008
Eileen Weinheimer – Foods and Nutrition, PhD, May 2011
Ji Lin – Biomedical Engineering, PhD, December 2011
Minghua Tang – Foods and Nutrition, PhD, May 2012
Melissa S. Yale – Education, PhD, August 2012
Karis Pressler – Sociology, PhD., expected December, 2012

Ph.D. Research Supervisor (Funded Student through Grants):

Yun Wang – Statistics, Ph.D., August, 2005
Huiping Xu – Statistics, Ph.D. August, 2007
Sudeshna Paul – Statistics, Ph.D. December, 2009
Joanne Daggy – Statistics, Ph.D. December, 2009
Eunjung Lim – Statistics, Ph.D, expected May, 2011
Glen DePalma – Statistics, PhD, expected May, 2012
Shuang He – Statistics, PhD, expected May, 2012

Danni Yu – Statistics, PhD, expected, May 2012

Geriatric Fellows:

Division of Geriatrics, Department of Medicine, University of California, San Francisco, 1998 – 2002.

Elizabeth Burton, MD

Michael Ming, MD

Edgar Pierluissi, MD

Michael Steinman, MD

Irwin Tan, MD,

Elizabeth Lindquist, MD

Alex Li, MD,

Kenneth Chaung, MD

Kaycee Sink, MD

Jayna Holroyd-Leduc, MD

Purdue University Service

2011-2012	Search Committee, Educational Assessment and Program Evaluation
2011-2012	Search Committee, Human Development and Family Studies
2010-2012	Search Committee, Director of the Master of Public Health Program
2011	Administrative Review Committee, Office of the Vice President of Research
2009 – 2011	Reviewer Kinley Trust Pilot Grants
2010 – 2014	Center on Aging and the Life Course Steering Committee
2009 – 2010	Reviewer CTSI pilot grants
2005 – 2009	University Library Committee
2007	Regenstrief Fall Conference, faculty organizer
2007-2008	Search Committee, Vice-President for Research
2007-2008	Administrative Review Committee, School of Pharmacy