

Curriculum Vitae

Terry Randy Barclay, Ph.D.

BUSINESS ADDRESS

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EDUCATION

- Ph.D.** Clinical Psychology, August 2004
Michigan State University, East Lansing, Michigan
Specialty Track: Neuropsychology
Dissertation: The effects of anxiety, depression, and age on cognitive functions in older adults: A longitudinal study
Committee Chairperson: Norman Abeles, Ph.D., ABPP
- M.A.** Clinical Psychology, December 2000
Michigan State University, East Lansing, Michigan
Specialty Track: Neuropsychology
Thesis: Risk factors of cognitive decline in a community-based sample of older adults
Committee Chairperson: Norman Abeles, Ph.D., ABPP
- B.A.** Psychology, May 1996
St. Olaf College, Northfield, Minnesota
Honors: magna cum laude
Education abroad: American University in Cairo, Egypt
Bangalore University, Bangalore, India
East China Normal University, Shanghai, China
Yonsei University, Seoul, South Korea

GRADUATE AND POSTGRADUATE TRAINING

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| 2004 - 2006 | National Institute of Mental Health (NIMH) Postdoctoral Fellow,
Neuropsychology
University of California Los Angeles
Semel Institute for Neuroscience and Human Behavior
Los Angeles, CA |
| 2003 - 2004 | Pre-doctoral Intern, Geropsychology Track
West Los Angeles VA Healthcare Center
Los Angeles, CA |

1998 - 2003 Clinical Practicum Trainee, Neuropsychology Track
Psychology Clinic, Michigan State University
East Lansing, MI

GRANTS AND AWARDS

2004-2006 National Research Service Award (NRSA) Trainee, Postdoctoral Fellowship,
University of California Los Angeles

2001-2002 AARP Andrus Foundation Fellowship in Gerontology, Doctoral Level Alternate
Awardee, Association for Gerontology in Higher Education, Washington, D.C.

2000-2001 Blue Cross Blue Shield of Michigan Foundation, Student Research Grant

2000-2001 Pearl J. Aldrich Endowment in Gerontology, Graduate Student Research Grant,
College of Human Medicine, Department of Psychiatry, Michigan State
University

1999-2000 AARP Andrus Foundation Fellowship in Gerontology, Masters Level Alternate
Awardee, Association for Gerontology in Higher Education, Washington, D. C.

1998-2002 Graduate Student Assistantship, Department of Psychology, Michigan State
University

1998-1999 Graduate Student Fellowship, Department of Psychology, Michigan State
University

1993-1996 Academic Achievement Fellowship, St. Olaf College

HONORS

2013 **Leaders in Health Care Award**, Health practitioner category, Minnesota
Business Journal. Awarded to an individual who has operated at an exceptional
level in their field of practice.

2012 **President's Award**, HealthPartners. Recognition for outstanding performance in
serving the members, patients, and staff of the HealthPartners organization.

RESEARCH EXPERIENCE

Co-Principal Investigator. Alzheimer's Research Center, Regions Hospital, St. Paul,
Minnesota. *6th Vital Sign Project: Does Cognitive Screening in the Elderly Population
Improve Clinical Care?* 2012-Present.

- Study design, methodology, outcome measures, subject recruitment, data
collection and analysis

- Training and implementation of Mini-Cog screening in outpatient medical clinics

Co-Investigator. Alzheimer's Research Center, Regions Hospital, St. Paul, Minnesota. *A Double-Blind, Placebo-Controlled Single Dose Study of the Safety and Efficacy of Glutamine on Cognitive Function and Memory in Individuals Diagnosed with Probable Mild to Moderate Alzheimer's Disease.* 2011-2012.

- Study design, methodology, outcome measures, subject recruitment, data collection and analysis
- Neurocognitive assessment for all study participants

Co-Investigator. Alzheimer's Research Center, Regions Hospital, St. Paul, Minnesota. *Minnesota Memory Project.* 2010-Present

- Longitudinal research investigation of lifestyle, health, and neurocognitive risk factors of MCI and dementia in a large sample of community dwelling older adults in Minnesota
- Study of caregiving behavior, health, and cognitive functioning
- Study design, supervision of research staff, subject recruitment, data collection, quality assurance

Research Investigator. Alzheimer's Research Center, Regions Hospital, St. Paul, Minnesota. 2009-Present

- Wide range of pre-clinical and human studies focusing on Alzheimer's disease and related neurodegenerative conditions
- Biomarker and lifestyle factors associated with memory loss and dementia; cognitive stimulation and physical activity as protective factors against memory loss; intranasal delivery of insulin and other treatments in neurodegenerative disease; delirium in hospitalized older patients; screening and early detection of Alzheimer's disease; brain bank studies
- Study design and methods, supervision of research staff, subject recruitment, data collection and analyses, manuscript preparation

Postdoctoral Research Associate. Veterans Administration Greater Los Angeles Healthcare System. *Aging and HIV/AIDS: Neurocognitive Sequelae and Functional Consequences.* 2005-2006

Principal Investigator: Charles Hinkin, Ph.D., ABPP/ABCN

- Subject recruitment, data analyses, and manuscript preparation

Postdoctoral Research Associate. University of California Los Angeles, Department of Psychiatry and Biobehavioral Sciences, Los Angeles, California. *Cognitive Deficits and Medication Adherence in HIV/AIDS* [NIMH RO1 #MH58552]. 2004-2006

Principle Investigator: Charles Hinkin, Ph.D., ABPP/ABCN

- Data analyses, manuscript preparation, and poster/paper presentations

Principal Investigator. Michigan State University, Department of Psychology, East Lansing, Michigan. *The effects of anxiety, depression, and age on cognitive functions in older adults: A longitudinal study.* 2001-2004

- Research design, subject recruitment, data collection and analyses

Study Coordinator. Vital Research, LLC., Long Term Care Division, Los Angeles, California and the Ohio Department of Aging, Columbus, Ohio. *Ohio resident satisfaction survey.* 2003

Principle Investigators: Gwen Uman, Ph.D., Harold Urman, Ph.D.

- Statewide research protocol investigating resident satisfaction in 1,000+ nursing home facilities
- Clinical training and supervision of research staff
- Data collection and quality control

Study Coordinator. Michigan State University, Department of Psychology, East Lansing, Michigan. *Age consistent memory decline and late life forgetting: Impact of attention and memory training.* 2001-2003

Principle Investigator: Norman Abeles, Ph.D., ABPP

- Training and supervision of junior research assistants
- Design and selection of the study's neuropsychological testing battery
- Subject recruitment, data analyses, and manuscript preparation

Research Assistant. Michigan State University, Department of Psychology, East Lansing, Michigan. *Age consistent memory decline and late life forgetting: Impact of attention and memory training.* 1998-2001

Principle Investigator: Norman Abeles, Ph.D., ABPP

- Neuropsychological assessment of study participants
- Implementation of mood and memory training workshops
- Presentation of findings at weekly research meetings

Research Assistant. Michigan State University, Department of Psychology, East Lansing, Michigan. *Psychotherapy Research Project.* 1999-2003.

Principle Investigator: Norman Abeles, Ph.D., ABPP

- Clinic-wide psychotherapy outcome research program
- Subject recruitment and tracking
- Collection of psychotherapy audio recordings and evaluation of therapist/client on pre/post measures

Principal Investigator. Michigan State University, Department of Psychology, East Lansing, Michigan. *Risk factors of cognitive decline in a community-based sample of older adults.* 1998-2001

- Research design, subject recruitment, data collection and analyses
- Funded by grants from the Pearl J. Aldrich Endowment in Gerontology and the Blue Cross Blue Shield of Michigan Foundation

Study Coordinator. The Borun Center for Gerontological Research, UCLA School of Medicine, Los Angeles, California. *A consumer interview approach to measuring satisfaction among nursing home residents.* 1997-1998

Principle Investigator: Jack Schnelle, Ph.D.

- Face-to-face structured interviews with nursing home residents

- Review of residents' medical records
- Quantitative and qualitative data analyses using SPSS

Psychometrician. Alzheimer's Disease Center Clinical Trials Program – Reed Neurology, University of California, Los Angeles. 1997-1998

Principle Investigator: Jeffrey Cummings, M.D.

- Neuropsychological assessment for double-blind placebo-controlled clinical trials of Cognex, Aricept, Xanomeline, Metrifonate, Melatonin, & Vitamin E
- Clinical interviews with dementia patients and their caregivers to evaluate the progress of those using new treatments for Alzheimer's disease and related dementias
- Interdisciplinary team approach with physicians, psychologists, psychiatrists, nurses, and social workers

Research Assistant. Alzheimer's Disease Center, University of California, Los Angeles.

Neurobehavioral disturbances in nursing home residents: Economics, occupational disruption, and clinical correlates. 1996-1997

Principle Investigators: Jeffrey Cummings, M.D., Stacey Wood, Ph.D.

- Direct behavioral observation and evaluation of psychiatric disturbances in nursing home residents (i.e., delusions, hallucinations, agitation, depression, apathy)
- Extensive staff interviews with nurse caregivers using the Neuropsychiatric Inventory, Nursing Home Version
- Data analyses, manuscript preparation, and poster presentations

Research Assistant. Neuropathology Lab, St. Olaf College, Northfield, Minnesota. *Nitric oxide synthase of the hippocampus in Alzheimer's disease.* 1995-1997

Principle Investigator: Konrad Talbot, Ph.D.

- Preparation of hippocampal tissue samples using micrometer
- Research and modification of Bielschowsky method of silver staining
- Histochemical preparation and tissue mounting under microscope

Research Assistant. Office of Educational and Institutional Research, St. Olaf College, Northfield, Minnesota. 1995-1997

Supervisor: Karen Nelson, Ph.D.

- Development of research techniques, including surveys, for college studies
- Statistical analyses and data presentation for the college
- Supervision and training of junior research staff members

CLINICAL EXPERIENCE

Clinical Director. State of Minnesota, Department of Human Services, *Family Memory Care Project.* 2010 - 2017.

- Direct memory care consultants throughout the state of Minnesota implementing a translation of the NYU Caregiver Intervention (NYUCI) program developed by Mary Mittelman, Dr.Ph and Cynthia Epstein, LCSW
- Development of assessment and care planning protocols and consultant training

- Clinical supervision related to the assessment, care planning, and individual and family intervention sessions for caregivers of individuals with dementia
- Communication with representatives from the NYUCI program, U.S. Administration on Aging, Minnesota Board on Aging, Minnesota Metropolitan Area Agency on Aging, and the Alzheimer's Association

Clinical Director, Neuropsychology. HealthPartners Specialty Center and Regions Hospital, St. Paul, Minnesota. 2009 - Present.

- Chief neuropsychologist in outpatient specialty clinic and acute care hospital with focus on geriatric evaluations and early detection of dementia
- Differentiating normal aging from mild cognitive impairment (MCI), Alzheimer's disease, fronto-temporal dementia, vascular-related cognitive deficits, traumatic brain injury, and cognitive changes secondary to substance abuse, sleep deprivation, mood disorders and other problems

Independent Practice. Edina, Minnesota. 2006 - Present.

- Minnesota licensed psychologist: LP 4765
- Neuropsychological and forensic/medical-legal evaluations
- Psychotherapy with individuals, families, and couples

Senior Clinical Neuropsychologist. Neurovascular Institute and HealthEast Care System, St. Paul, Minnesota. 2006 - 2009.

- Consulting neuropsychologist in neurocritical care unit involving patients with aneurysm, cerebral hemorrhage, stroke, brain tumor, seizure, arteriovascular malformations, and other neurovascular issues
- Consult-based practice throughout an acute care hospital environment with referrals from neurosurgery, neurocritical care, neurology, psychiatry, chemical dependency, oncology, and internal medicine

Independent Practice. Beverly Hills, California. 2006.

- California licensed psychologist: PSY 21047
- Neuropsychological and forensic/medical-legal evaluations
- Psychotherapy with individuals, families, and couples

Clinical Neuropsychologist. Pacific Neuroscience Medical Group, Los Angeles, California. 2006.

- Neuropsychological evaluation and consultation for neurology practice specializing in the treatment of older adults with neurologic illness (e.g., Parkinson's disease, multiple sclerosis, Alzheimer's disease, fronto-temporal dementia, cerebrovascular disease)

Psychotherapist. Bridges to Recovery Residential Treatment Program, Pacific Palisades, California. 2005-2006.

- Intensive psychotherapy (4 to 5 times weekly) for clients residing in a 6-bed resident treatment facility specializing in trauma, mood disorders, anxiety and panic disorders, unresolved grief, and severe mental illness

Postdoctoral Fellow. Department of Psychiatry and Biobehavioral Sciences, UCLA, Los Angeles, California. 2004-2006.

Directors of Training: Robert Bilder, Ph.D., ABPP/ABCN, Charles Hinkin, Ph.D., ABPP/ABCN

- Advanced specialization and didactic training in neuropsychological assessment

Predoctoral Geropsychology Intern. West Los Angeles VA Healthcare Center, Los Angeles, California. 2003-2004.

Director of Training: Anna Okonek, Ph.D.

- Neuropsychology
Supervisor: Charles Hinkin, Ph.D., ABPP/ABCN
Comprehensive inpatient and outpatient evaluations and didactic training
- Geriatric Research, Education, and Clinical Center (GRECC)
Supervisor: Stacy Wilkins, Ph.D., ABPP/ABCN
Neuropsychological assessment and individual/family therapy for inpatient and outpatient geriatric clinics
- Geropsychology
Supervisors: Jeffrey Ball, Ph.D., Sheryl Osato, Ph.D.
Neuropsychological/psychological assessment and therapy in psychiatric outpatient program and long-term care facility
- Ambulatory Care / Outpatient Mental Health
Supervisors: Steve Castellon, Ph.D., Edward Carroll, Ph.D., Sara Jarvis, Ph.D.
Individual/group therapy and assessment with severely mentally ill outpatients

Student Director. Psychology Clinic, Michigan State University, East Lansing, Michigan. 2001-2002

Supervisors: Norman Abeles, Ph.D., ABPP, G. Anne Bogat, Ph.D., Valerie Shebroe, Ph.D.

- Training and supervision of intake clinicians
- Development of clinic policies and procedures
- Liaison to university departments and community organizations

Supervising Neuropsychology Clinician. Psychology Clinic, Michigan State University, East Lansing, Michigan, and the Grand Rapids Home for Veterans (GRHV), Grand Rapids, Michigan. 2001-2003

Supervisor: Norman Abeles, Ph.D., ABPP

- Training and supervision of clinicians conducting in-patient neuropsychological evaluations of older adults
- Evaluation of individuals with Alzheimer's disease, vascular dementia, fronto-temporal dementia, alcohol-induced dementia, HIV, intracranial hemorrhage, traumatic brain injury, stroke, MS, Parkinson's disease, amnesic disorder, as well as those with severe psychiatric disturbances, such as schizophrenia
- Consultation and liaison services to VA physicians, psychiatrists, nurses, and social workers

Intake Clinician. Psychology Clinic, Michigan State University, East Lansing, Michigan. 2000-2001

Supervisor: Norman Abeles, Ph.D., ABPP

- Intake interviews and summary reports for new clients seeking psychotherapy and/or assessment services
- Review of clinic policies to improve service quality
- Community outreach to increase knowledge of clinic programs and services

Student Therapist. Psychology Clinic, Michigan State University, East Lansing, Michigan. 1999-2003

Supervisors: Alytia Levendosky, Ph.D., Stuart Doneson, Ph.D., Brenda Lepisto, Psy.D., Burtram Karon, Ph.D.

- Individual, couples, family, and group therapy with younger and older adults, as well as play therapy with school-aged children
- Presenting problems: depression, anxiety, interpersonal difficulties, marital conflict, retirement issues, adjustment difficulties, behavioral problems, parenting issues, drug and alcohol dependence, anger management, grief and loss

Neuropsychology Clinician. Psychology Clinic, Michigan State University, East Lansing, Michigan. 1999-2003

Supervisors: Norman Abeles, Ph.D., ABPP, Joel Nigg, Ph.D., ABPP, Malcolm Spica, Ph.D.

- Neuropsychological assessment of dementia, traumatic brain injury, learning disabilities, ADHD, and related deficits, in both in-patient and out-patient settings
- Report preparation and feedback to patients, family members, physicians, nurses, and social workers

Psychology Extern. First Street Center, Community Support Program, Carver County, Minnesota. 1995-1996

Supervisor: Janice Check, M.S.W., L.C.S.W.

- Coordination of social activities and community events for severely mentally ill adults in an out-patient setting
- Review of case histories and chart documentation
- Development of research techniques to facilitate growth of program goals

CONSULTING

Consultant. State of Minnesota, Department of Human Services, Metropolitan Area Agency on Aging. 2008-Present.

- Evaluation, guidance and re-engineering of diverse state-wide clinical programs for individuals with dementia and their families
- Education, training, and in-service presentations for state employees, social service agencies, and practitioners related to aging services and programs
- Physician outreach and education on early detection, screening, and management of patients with dementia

Consultant. Alzheimer's Association, Minnesota North Dakota Chapter, Edina, Minnesota. 2008-Present.

- Community, staff, and physician education and outreach related to diagnosis of early Alzheimer's disease, working with families, and dementia programming
- Co-author of Living Well education and workbook series related to lifestyle and wellness activities for people with MCI and early dementia

Consultant. Healthcare Interactive, LLC, Minneapolis, Minnesota. 2008-Present.

Consultant. Vital Research, LLC., Long Term Care Division, Los Angeles, California. 2004-Present.

- State-funded, 1:1 resident satisfaction surveys in thousands of nursing home facilities across Minnesota and Ohio
- Refinement of study protocols and training materials, clinical training of interviewers, and supervision of training staff
- Data collection and quality control

BOARD AND COMMITTEE MEMBERSHIP

Member. Geriatric Research, Education and Clinical Centers (GRECC) Advisory Subcommittee, Minneapolis VA Health Care System. 2018-Present.

Member. Alzheimer's Disease Working Group (ADWG), State of Minnesota Congressional Mandate. 2018-2019.

Chair. Medical and Scientific Advisory Council (MSAC), Alzheimer's Association, Minnesota North Dakota Chapter, Edina, Minnesota. 2013-2016.

Co-Chair. ACT on Alzheimer's® Early Identification and Quality Healthcare Leadership Team. 2013-2018.

Co-Chair. ACT on Alzheimer's® Health Equity in Evidence Based Tools Subcommittee. 2014-2016.

Member. Medical and Scientific Advisory Council (MSAC), Alzheimer's Association, Minnesota North Dakota Chapter, Edina, Minnesota. 2011-Present.

Member. Alzheimer's Disease Working Group (ADWG), State of Minnesota Congressional Mandate HF 1760. 2010-2011.

- Panel of 20 experts leading Minnesota's effort to prepare for the Alzheimer's disease epidemic and become a dementia competent state
- Early Identification and Support expert team

Member. Advisory Board, LivHome, Minneapolis, Minnesota. 2009-2010.

Member. Financial Abuse Specialist Team (FAST), Los Angeles County Area Agency on Aging, Los Angeles, California. 2004-2006.

PROFESSIONAL ORGANIZATIONS

Adult Development and Aging, APA Division 20. 1999-Present

American Psychological Association (APA). 1996-Present

Clinical Geropsychology, APA Division 12, Section II. 1999-Present

Clinical Neuropsychology, APA Division 40. 2000-Present

National Academy of Neuropsychology. 2001-Present

Western Psychological Association. 2004-2014

Phi Kappa Phi Honor Society, Michigan State University Chapter. 2000-2004

Psi Chi National Honors Society. 1994-1996

ACADEMIC APPOINTMENTS

2013-Present. Adjunct Associate Professor of Neurology, Department of Neurology, School of Medicine, University of Minnesota.

TEACHING EXPERIENCE

Instructor. UCLA Extension, Los Angeles, California.

- Abnormal Psychology, Spring & Fall 2006

Instructor. Michigan State University, East Lansing, Michigan.

- Neuropsychological Assessment Lab (Graduate level), Spring 2002
- Abnormal Psychology, Summer 2002

Guest Lecturer. University of California Los Angeles

- “Neuropsychological Effects of HIV and Hepatitis C Co-infection”, Psychiatry 447: Neuropsychology Research Seminar, Spring 2006
- “Neuropsychological Assessment of Capacity/Competence”, Psychiatry 453: Neuropsychology Seminar, Spring 2005

Guest Lecturer. Pepperdine University, Los Angeles, California

- “Projective Measures in Personality Assessment”, Psychology 603: Assessment for Marriage and Family Therapists, Summer & Fall 2005

Teaching Assistant. Michigan State University, East Lansing, Michigan.

- Humanistic Psychology, Spring 1999 & 2000
- Health Psychology, Fall 1999
- Phenomenological Psychology, Fall 1998

Teaching Assistant. St. Olaf College, Northfield, Minnesota.

- Introduction to Psychology, Spring & Fall 1995

PUBLICATIONS

- Wyman-Chick, K. A., Erickson, L. O., Weintraub, D., Rosenbloom, M. H., Martin, P. K., **Barclay, T. R.**, & Barrett, M. J. (under review). 2019. Neuropsychiatric and motor symptoms in prodromal dementia with Lewy bodies.
- Rosenbloom, M., **Barclay, T. R.**, Borson, S., Werner, A. M., Erickson, L. O., Crow, J. M., Lakshminarayan, K. L., Stuck, L. H., & Hanson, L. R. (2018; in press). Screening positive for cognitive impairment: Impact on healthcare utilization and provider action in primary and specialty care practices. *Journal of General Internal Medicine*.
- Butler, M., McCreedy, E., Nelson, V. A., Desai, P., Ratner, E., Fink, H.A., Hemmy, L., McCarten, J. R., **Barclay, T. R.**, Brasure, M., Davila, H., & Kane, R. L. (2018). Does cognitive training prevent cognitive decline: a systematic review. *Annals of Internal Medicine*; 168:63-68.
- Brasure, M., Desai, P., Davila, H., Nelson, V. A., Calvert, C., Jutkowitz, E., Butler, M., Fink, H. A., Ratner, E., Hemmy, L., McCarten, J. R., **Barclay, T. R.**, & Kane, R. L. (2017). Physical activity interventions in preventing cognitive decline and Alzheimer's type dementia: Systematic review. *Annals of Internal Medicine*; M17-1528.
- Fink, H. A., Jutkowitz, E., McCarten, R. J., Hemmy, L. S., Butler, M. Davila, H., Ratner, E., Calvert, C., **Barclay, T. R.**, Brasure, M., Nelson, V. A., & Kane, R. L. (2017). Pharmacological interventions to prevent age-related cognitive decline, mild cognitive impairment, and clinical Alzheimer's-type dementia: A systematic review. *Annals of Internal Medicine*; M17-1529.
- Butler, M., Nelson, V. A., Davila, H., Ratner, E., Fink, H. A., Hemmy, L., McCarten, J. R., **Barclay, T. R.**, Brasure, M., & Kane, R. L. (2017). Over-the-counter supplement interventions to prevent age-related cognitive decline, mild cognitive impairment, and clinical Alzheimer's-type dementia: a systematic review. *Annals of Internal Medicine*; M17-1530.
- Yu, F., Vock, D. M., & **Barclay, T. R.** (2017). Executive function: Responses to aerobic exercise in Alzheimer's disease. *Journal of Geriatric Nursing*.
- Kane, R., Butler, M., Fink, H., Brasure, M., Davila, H., Desai, P., Jutkowitz, E., McCreedy, E., Nelson, V., McCarten, J. R., Calvert, C., Ratner, E., Hemmy, L., & **Barclay, T.** (2017). Interventions to prevent cognitive decline, mild cognitive impairment, and Alzheimer's-type dementia. Comparative effectiveness review No. 188. (Prepared by the Minnesota Evidence-based Practice Center under contract No. 290-2015-00008-1.) AHRQ Publication No. 17-EHC008-EF. Rockville, MD: *Agency for Healthcare Research and Quality*; March.
- Rosenbloom, M., Borson, S., **Barclay, T.**, Hanson, L. R., Werner, A., Stuck, L., & McCarten, J. (2015). Routine cognitive screening in a neurology practice: Effect on physician behavior. *Neurology: Clinical Practice*, 10-1212.

- Rosenbloom, M. H., **Barclay, T. R.**, Pyle, Owens, B. L., Cagan, A. B., Anderson, C. P., Frey, W. H., & Hanson, L. R. (2014). A single-dose pilot trial of intranasal rapid-acting insulin in Apolipoprotein E4 carriers with mild-moderate Alzheimer's disease. *CNS Drugs*, 28(12): 1185-1189.
- Barclay, T. R.**, Wright, M. J., Hinkin, C. H. (2010). Medication management. In T. D. Marcotte & I. Grant (Eds.). *The Neuropsychology of Everyday Functioning*. Guilford Press.
- Wright, M. J., Woo, E., **Barclay, T. R.**, & Hinkin, C. H. (2009). The functional impact of HIV-associated neuropsychological decline. In R. Paul, N. Sactor, K. Tashima, & V. Valcour (Eds.). *HIV and the Brain: New Challenges in the Modern Era*. Humana Press.
- Castellon, S. A., Hinkin, C. H., Wright, M. J., **Barclay, T. R.** (2009). Neuropsychological performance and adherence to medical treatments. In I. Grant & K. Adams (Eds.). *Neuropsychological Assessment of Neuropsychiatric and Neuromedical Disorders (3rd ed.)*. Oxford University Press.
- Barclay, T. R.**, Wilkins, S. S., Harada, N. D., Osato, S., & Dhanani, S. (2008). Detecting depression in older veterans: Impact of cultural diversity on test validity. *Federal Practitioner*, 25(4), 28-33.
- Levine, A. J., Hardy, D. J., **Barclay, T. R.**, Reinhard, M. J., Cole, M. A., & Hinkin, C. H. (2008). Elements of attention in HIV-infected adults: Evaluation of an existing model. *Journal of Clinical and Experimental Neuropsychology*, 30(1), 53-62.
- Hinkin, C. H., Castellon, S. A., Levine, A. J., **Barclay, T. R.**, & Singer, E. J. (2008). Neurocognition in individuals co-infected with HIV & hepatitis C. *Journal of Addictive Diseases*, 27(2), 11-17.
- Reinhard, M. J., Hinkin, C. H., **Barclay, T. R.**, Levine, A. J., Marion, S., Castellon, S. A., Longshore, D., Newton, T., Durvasula, R. S., Lam, M. N., & Myers, H. (2007). Discrepancies between self-report and objective measures for stimulant drug use in HIV: Cognitive, medication adherence, and psychological correlates. *Addictive Behaviors*, 32(12), 2727-2736.
- Cole, M. A., Castellon, S. A., Reinhard, M. J., **Barclay, T. R.**, Perkins, A. C., Ureno, O., Robinet, M., & Hinkin, C. H. (2007). Relationship between psychiatric status and frontal-subcortical systems in HIV infected individuals. *Journal of the International Neuropsychological Society*, 13(3), 549-554.
- Hinkin, C. H., **Barclay, T. R.**, Castellon, S. A., Levine, A. J., Durvasula, R. S., Marion, S. D., Myers, H. & Longshore, D. (2007). Drug use and medication adherence among HIV-1 infected individuals. *AIDS and Behavior*, 11(2), 185-194.
- Barclay, T. R.**, Hinkin, C. H., Mason, K. I., Reinhard, M. J., Marion, S. D., Levine, A. J., & Castellon, S. A. (2007). Age-associated predictors of medication adherence in HIV-

positive adults: Health beliefs, self-efficacy, and neurocognitive status. *Health Psychology*, 26(1), 40-49.

Barclay, T. R., Barclay, M. P., & Abeles, N. (2004). The aging brain: What therapists and families should know about understanding and helping the elder patient. *Family Therapy*, 3, 30-37.

Wood, S. A., Cummings, J. L., Hsu, M. A., **Barclay, T.**, Wheatley, M. V., & Yarema, K. T. (2000). The use of the Neuropsychiatric Inventory in nursing home residents: Characterization and measurement. *American Journal of Geriatric Psychiatry*, 8(1), 75-83.

Mega, M. S., Masterman, D. M., O'Connor, S. M., **Barclay, T. R.**, & Cummings, J. L. (1999). The spectrum of behavioral responses to cholinesterase inhibitor therapy in Alzheimer's disease. *Archives of Neurology*, 56, 1388-93.

Wood, S. A., Cummings, J. L. **Barclay, T.**, Hsu, M.-A., Allahyar, M., & Schnelle, J. F. (1999). Assessing the impact of neuropsychiatric symptoms on distress in professional caregivers. *Aging & Mental Health*, August, 3(3), 241-245.

PRESENTATIONS / PUBLISHED ABSTRACTS

Wyman-Chick, K. A., Erickson, L.O., Rosenbloom, M. H., Weintraub, D., Barclay, T. R., Martin, P. K., & Barrett, M. J. (2020). Prevalence of Neuropsychiatric Symptoms in the Prodromal Stages of Dementia with Lewy Bodies and Alzheimer's Disease [Abstract]. *Alzheimer's and Dementia: The Journal of the Alzheimer's Association*, in press.

Wyman-Chick, K. A., Weintraub D, Rosenbloom, M. H., Erickson, L. O., Martin, P. K., **Barclay T. R.**, & Barrett, M. J. (2019). Prodromal symptoms in clinically diagnosed dementia with Lewy bodies stratified by Lewy body pathology on autopsy [Abstract]. *Movement Disorders*, 34(S2), S717-S719.

Wyman-Chick, K. A., Weintraub, D., Erickson, L. O., Rosenbloom, M. H., Martin, P. K., **Barclay, T. R.**, & Barrett, M. J. (2019). Neuropsychiatric and motor symptoms in prodromal dementia with Lewy bodies. Oral presentation at the International Lewy Body Dementia Conference, Las Vegas, Nevada.

Rosenbloom, M. H., **Barclay, T. R.**, Johnsen, J., Erickson, L. O., Pyle, M., Frey W. H.; Hanson L. R. (2019). A double-blind, placebo-controlled pilot investigation of the safety of intranasal glulisine in Down syndrome. Poster presentation at the American Academy of Neurology (AAN) 71st Annual Meeting, Philadelphia, Pennsylvania.

Barclay, T. R., Wyman-Chick, K. A., Erickson, L. O., & Rosenbloom, M. H. (2018). Amyloid PET imaging and neuropsychological phenotypes in Alzheimer's and non-Alzheimer's dementias [Abstract]. *Alzheimer's and Dementia: The Journal of the Alzheimer's Association*, 14(7), P1304-P1305.

Wyman-Chick, K. A., Erickson, L. O., Rosenbloom, M. H., **Barclay, T. R.**, Johnson, J., & Barrett, M. J. (2018). Prevalence of neuropsychiatric and motor symptoms in prodromal dementia with lewy bodies [Abstract]. *Alzheimer's and Dementia: The Journal of the Alzheimer's Association*, 14(7), P1645-P1646.

Rosenbloom, M. H., Wyman-Chick, K., Johnson, J., Carolan, P., Pyle, M., & **Barclay, T. R.** (2018). Amyloid PET imaging in a community neurology practice: feasibility and clinical outcomes [Abstract]. *Alzheimer's and Dementia: The Journal of the Alzheimer's Association*, 14(7), P807.

Rosenbloom, M. H., **Barclay, T. R.**, Dorwart, A. E., Erickson, L. O., Werner, A. M., Kashyap, B., Borson, S., & Hanson, L. R. (2017). Cognitive screening results from the medicare annual wellness visit in a primary care practice. Poster presentation at the Alzheimer's Association International Conference (AAIC), London, England.

Hanson, L. R., Barclay, M. P., Kashyap, B., Somerville, B., Kreitzer, M. J., Stuck, L., & **Barclay, T. R.** (2017). Mindfulness for early Alzheimer's disease: A pilot study. Poster presentation at the Alzheimer's Association International Conference (AAIC), London, England.

Borson, S., Mink, P., **Barclay, T.**, Waring, S., Barclay, M., & Carlson, P. (2017). Becoming dementia-capable: Healthcare systems rise to the challenge. Poster presentation at the American Geriatrics Society (AGS) annual scientific meeting, San Antonio, Texas.

Barclay, T. R., Forsberg, A. C., Thomas, A. J., Crow, J. M., Haley-Franklin, H., & Hanson, L. R. (2016). Outcomes of a dementia resource and education program imbedded in a health care system. Poster presentation at the Alzheimer's Association International Conference (AAIC), Toronto, Canada.

Hanson, L. R., **Barclay, T. R.**, Werner, A. M., Erickson, L. O., Crow, J. M., Borson, S., Lakshminarayan, K., Rosenbloom, M. H. (2016). Outcomes from routine cognitive screening in a health care system. Poster presentation at the Alzheimer's Association International Conference (AAIC), Toronto, Canada.

Hanson, L. R., Forsberg, A. C., Erickson, L. O., Schlichting, J. T., Hage, L. M., & **Barclay, T. R.** (2016). The Minnesota Memory Project: Use of the Alberta Smell Test in a longitudinal aging cohort. Poster presentation at the Alzheimer's Association International Conference (AAIC), Toronto, Canada.

Barclay, T. R., Forsberg, A. C., Stuck, L., Schlichting, J. T., & Hanson, L. R. (2015). The Minnesota Memory Project: Baseline data from a longitudinal observational study of aging. Poster presentation at the annual meeting of the American Academy of Neurology (AAN), Washington, DC.

Hanson, L. R., **Barclay, T. R.**, Hanson, A. M., Stuck, L. H., Crow, J. M., Borson, S., & Rosenbloom, M. (2015). Performance on cognitive screening is associated with increased

retrospective healthcare utilization. Poster presentation at the annual meeting of the American Academy of Neurology (AAN), Washington, DC.

Rosenbloom, M. H., **Barclay, T. R.**, Pyle, M., Hanson, A. M., Stuck, L. H., & Hanson, L. R. (2015). Routine cognitive screening in a neurology practice: Impact on physician behavior. Poster presentation at the annual meeting of the American Academy of Neurology (AAN), Washington, DC.

Hanson, L. R., **Barclay, T. R.**, Hanson, A. M., Stuck, L. H., Crow, J. M. & Rosenbloom, M. H. (2015). Identification of multiple chronic conditions that yield the highest impact of cognitive screening. Poster presentation at the annual meeting of the HMO Research Network (HMORN), Long Beach, California.

Rosenbloom, M. H., **Barclay, T. R.**, Pyle, M., Cagan, A., Hanson, A., & Hanson, L. (2014). Routine cognitive screening in a general neurology clinic: Impact on physician behavior. Poster presentation at the annual meeting of the American Academy of Neurology (AAN), Philadelphia, Pennsylvania.

Hanson, L. R., **Barclay, T. R.**, Hanson, A. M., Stuck, L. H., Pyle, M., Cagan, A. B., & Rosenbloom, M. H. (2014). Failure on cognitive screening predicts increased healthcare utilization. Poster presentation at the annual meeting of the HMO Research Network (HMORN), Phoenix, Arizona.

Barclay, T. R., Barclay, M. P., & Members of Act on Alzheimer's (2013). Evidence-based provider tools for efficient identification and management of cognitive impairment. Poster presentation at the Alzheimer's Association International Conference (AAIC), Boston, Massachusetts.

Rosenbloom, M., **Barclay, T. R.**, Pyle, M., Owens, B., Anderson, C., Frey, W., & Hanson, L. (2013). The effect of intranasal rapid acting insulin on ApoE4 Carriers with mild-moderate Alzheimer's disease. Poster presentation at the Alzheimer's Association International Conference (AAIC), Boston, Massachusetts.

Barclay, T. R., Rao, R. J., Forsberg, A., Cooner, J. M., Owens, B., Kumagai, R. H., Svitak, A. L., Cagan, A., Hanson, L. R. (2012). Specific types of memory complaints may provide an early warning sign of cognitive impairment in community dwelling older adults. Poster presentation at the Alzheimer's Association International Conference (AAIC), Vancouver, Canada.

Rosenbloom, M., **Barclay, T. R.**, Perfect, D., Pyle, M., Kiihn, M., Zahs, K., Lakshminarayan, K., Cleary, J. P., Ashe, K., & Hanson, L. (2012). The 6th Vital Sign Project: Does cognitive screening in the elderly population improve clinical care? Poster presentation at the Annual Meeting of the American Academy of Neurology, New Orleans, Louisiana.

Rosenbloom, M. H., **Barclay, T. R.**, Pyle, M., Cagan, A. B., Anderson, C., Hanson, L. H. (2012). The 6th Vital Sign Project: Is cognitive screening in the elderly population

clinically effective? Poster presentation at the Alzheimer's Association International Conference (AAIC), Vancouver, Canada.

Hanson, L. R., **Barclay, T. R.**, Rosenbloom, M. H. (2012). Feasibility of the Mini-Cog as a standardized cognitive screen in HealthPartners patients aged 70 and older. Poster presentation at the annual meeting of the HMO Research Network (HMORN), Atlanta, Georgia.

Hanson, L. R., Martinson, B. C., Sherwood, N. E., Crain, L. A., Hayes, M. G., O'Connor, P. J., **Barclay, T. R.**, Matthews, R. B., & Cooner, J. M. (2010). Changes in cognitive function and plasma biomarkers in a pilot trial of a multi-domain intervention to prevent cognitive decline. Poster presentation at the Annual Meeting of the Alzheimer's Association International Conference on Alzheimer's Disease (AAICAD), Honolulu, Hawaii.

Barclay, T. R., Singer, E., Levine, A. J., Commins, D., Castellon, S. A., Ureno, O., & Hinkin, C. H. (2006). Neuropsychological effects of HIV and Hepatitis C co-infection. Poster presentation at the 38th Annual Meeting of the International Neuropsychological Society, Boston, Massachusetts.

Cole, M. A., Castellon, S. A., Reinhard, M. J., **Barclay, T. R.**, Perkins, A. C., & Hinkin, C. H. (2006). The relationship between neuropsychiatric status and cognition in HIV. Poster presentation at the 38th Annual Meeting of the International Neuropsychological Society, Boston, Massachusetts.

Hinkin, C. H., **Barclay, T. R.**, Castellon, S. A., Levine, A. J., Myers, H., & Durvasula, R. S. (2006). Drug use and medication adherence in HIV infected adults. Poster presentation at the Annual Conference of The British Psychological Society, Cardiff, Wales.

Barclay, T. R., Wilkins, S. S., Harada, N. D., Osato, S., & Dhanani, S. (2005). Detecting depression in ethnic minority populations: Validity of short forms of the Geriatric Depression Scale. Poster presentation at the 58th Annual Scientific Meeting of the Gerontological Society of America, Orlando, Florida.

Reinhard, M. J., Hinkin, C. H., **Barclay, T. R.**, Levine, A. J., Cole, M. A., Castellon, S. A., Longshore, D., Newton, T., Durvasula, R. S., & Marion, S. D. (2005). Discrepancies between self-report and objective measures among HIV+ stimulant users: Cognitive, psychological, and behavioral health correlates. *Annals of General Psychiatry*, 4(Suppl. 1), S220. Poster presentation at the 2nd International Congress on Brain and Behaviour, Thessaloniki, Greece.

Barclay, T. R., Castellon, S. A., Lam, M. N., Durvasula, R. S., Reinhard, M. J., Perkins, A. C., & Hinkin, C. H. (2005). Differential predictors of medication adherence among HIV+ adults as a function of age. Poster presentation at the 85th Annual Convention of the Western Psychological Association, Portland, Oregon.

Reinhard, M. J., Hinkin, C. H., Marion, S. D., Levine, A. J., Castellon, S. A., Durvasula, R. S., **Barclay, T. R.**, Ureno, O., & Spina, S. (2005). Personality Assessment Screener (PAS)

profiles among HIV+ stimulant drug users. Poster presentation at the 26th Annual Meeting of the Society of Behavioral Medicine, Boston, Massachusetts.

Marion, S. D., Thrasher, D., Keuning, A., Levine, A. J., Reinhard, M., **Barclay, T. R.**, Perkins, A., Myers, H., Durvasula, R., Castellon, S., & Hinkin, C. H. (2005). The relationship between depression, spiritual well-being, and immune status in HIV infected individuals. Poster Presentation at the 2005 Conference on HIV Research, Los Angeles, California.

Ureño, O., Perkins, A. C., Durvasula, R. S., Castellon, S. A., Robinet, M., **Barclay, T. R.**, Reinhard, M. J., & Hinkin, C. H. (2005). HAART side effects and psychological distress in HIV+ individuals. Poster presentation at the 17th annual meeting of the American Psychological Society, Los Angeles, California.

Barclay, T. R., Castellon, S. A., Hardy, D., Lam, M. N., Keuning, A., Robinet, M., Myers, H., Durvasula, R. S., & Hinkin, C. H. (2004). The impact of age on medication adherence in HIV infection: A longitudinal investigation. Abstract published in Clinical Research, Treatment, and Care, XV International AIDS Conference, Bangkok, Thailand.

Wood, S., Cummings, J. L., Schnelle, J., Hsu, M., **Barclay, T.**, Veen Wheatley, M. (1998). The Neuropsychiatric Inventory: A validation study in a nursing home setting. Poster presentation at the 9th Annual Meeting of the American Neuropsychiatric Association (ANPA), Honolulu, Hawaii.