

CURRICULUM VITAE

August 4, 2016

NAME: Diane M. Collins, OT, PhD

PRESENT POSITION AND ADDRESS:

Assistant Professor, Department of Occupational Therapy
University of Texas Medical Branch
3.916 School of Health Professions
301 University Blvd., Galveston, TX 77555-1142
Work Phone: 409-772-3080 Work Fax: 409-747-1615
Work email: dicollin@utmb.edu

BIOGRAPHICAL:

US Citizen

EDUCATION: 9/04-9/06 University of Pittsburgh, Pittsburgh, PA Post-Doctoral Work
9/99-4/04 University of Pittsburgh, Pittsburgh, PA PhD, Rehabilitation Science
8/88-6/90 Webster University, Myrtle Beach, SC MA, Management
9/75-12/81 Wayne State University, Detroit, MI BS, Occupational Therapy

BOARD CERTIFICATION:

- Occupational Therapist, Registered and Certified, National Board for Certification of Occupational Therapy, 1982 to 2005, No. 0522649

LICENSURE INFORMATION:

- Occupational Therapist, Licensed, #114905, Texas Board of Occupational Therapy Examiners, Expires: 03/31/2017

PROFESSIONAL AND TEACHING EXPERIENCE: (academic; non-academic)

PROFESSIONAL WORK HISTORY:

Staff Occupational Therapist, Pediatrics and Spina Bifida Clinic Children's Hospital of Michigan, Detroit MI	1982 to 1983
Staff Occupational Therapist, Psychiatric Unit Cottage Hospital, Grosse Pointe MI	1983 to 1984
Director, Staff Development and Special Services (Including Rehab Dept.) Georgetown Hospital, Georgetown SC	1984 to 1989
Director, Education Department and the Waccamaw Satellite of Pee Dee AHEC	1989 to 1994

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Conway Hospital, Conway SC

Staff Occupational Therapist, Pediatrics 1994 to 1997
Horry County School District, Conway SC

Director of Rehab and Staff Occupational Therapist, Adults and Pediatrics 1997 to 1999
InCare Home Health, Inc., Myrtle Beach SC

AT THE UNIVERSITY OF PITTSBURGH:

Fellow, University & Community Leaders & Individuals with Disabilities 1999 to 2000

UCLID UAP Program, Children's Hospital and the University of Pittsburgh

Graduate Student, Human Engineering Research Laboratories, 2000 to 2002

VA Pittsburgh Healthcare System and the University of Pittsburgh, PA

VA Pre-Doctoral Fellow 2002 to 2003

Research Health Care Specialist 2003 to 2004

VA Post-Doctoral Fellow – Disability Supplement 2004 to 2006

Affiliated Faculty, Center for Health Equity Research and Promotion 2006 to 2008

Research Health Scientist 2004 to 2006

Assistant Professor, Rehab Science & Technology Dept., Univ. of Pittsburgh 2007 to 2012

AT THE UNIVERSITY OF TEXAS MEDICAL BRANCH:

Assistant Professor, University of Texas Medical Branch Aug. 2012 to Present

RESEARCH ACTIVITIES:

Areas of Research Interest:

1. Mobility related Assistive Technology
2. Enhancing Executive Function, Motor Skills, and Mood through use of Vigorous Physical Exercise in Children and Adolescents with Autism
3. Psychosocial Occupational Therapy Practice in Community Settings
4. Health Management in Young Adults with Spina Bifida
5. Use of Service Dogs on Performance of Daily Tasks for Persons with Disabilities

GRANT SUPPORT

CURRENT: None

PENDING: Co-I, Physical Exercise and Contributors to Academic Performance among Adolescents with ASD, Organization of Autism Research, \$30,000.

PAST:

11. Consultant, UTMB R24 Grant Large Dataset of Adults with Spina Bifida, PI: Brad Dicianno, MD, University of Pittsburgh, PM&R Department, Pittsburgh, PA \$2,000; 2012-2013.
10. Co-Investigator, Verizon, Telerehabilitation Enhanced Wellness Program for Spina Bifida. PI: Brad Dicianno, MD, University of Pittsburgh, Department of Physical Medicine and Rehabilitation, Pittsburgh, PA \$5,000; 2012-2013.
9. PI, UTMB R24 Grant: Comparison of Rehabilitation Outcomes of Veterans and Medicare Beneficiaries: A Pilot Project \$30,000; 2011-2012.

8. Consultant, Embedded Assessment of Elder Activities (Cognitive Decline and Arthritis) for Augmenting Personal Health Records. PI: Anind Dey, PhD, Carnegie Mellon University, Robert Woods Johnson Grant, 2010 – 2012.
7. Co-I, Quality of Life Engineering Research Center, NSF Grant. PI: Takeo Kanade, PhD, CMU and Rory A. Cooper, PhD, University of Pittsburgh, 2006-2012.
6. PI - Disparity in wheelchair quality of veterans with spinal cord injuries, VA VISN 4, Competitive Pilot Project, 2006-2008.
5. PI - How does Wheelchair Use in VA Extended-Care Facilities affect Safety, Participation and Quality of Life? Human Engineering Research Laboratories Competitive Pilot Project Fund, 2005-2007.
4. Co-I - Efficacy of Service Dogs as Viable Forms of Assistive Technology, co-investigator on this merit review grant funded through the VA Research and Development center from 2004-2006.
3. Co-I - Isometric Controls with Personalized Algorithms for Driving Electric Powered Wheelchairs for Individuals with Multiple Sclerosis – VA Merit Review Grant, 2003-2006.
2. Co-I – VA Center of Excellence for Wheelchairs & Associated Rehabilitation Engineering.
1. Awardee – VA RR&D Post-Doctoral Fellowship Disability Supplement, 2003-2006.

CURRENT RESEARCH ACTIVITIES:

1. Co-I, Effects of Exergaming on Executive Function and Motor Skills in Children with Autism Spectrum Disorders, Funded by the UTMB OT Department

COMMITTEE RESPONSIBILITIES:

State/Regional

1. Vice Chair, Gulf Coast East District, Texas Occupational Therapy Association, 2016-2018

School

1. Secretary, School of Health Professions Faculty Senate, 2016-2019
2. Appointed Member, Shriner's Burn Care Research and Education Award Committee, 2014 to Present
3. Member, UTMB Diversity Council, 2013-2016

Departmental

1. OT Curriculum Committee
2. Occupational Therapy Graduation and Promotions Committee
3. Faculty Advisor, Student Occupational Therapy Association
4. Chair, OT Special Events Committee
5. OT Scholarship Committee

TEACHING RESPONSIBILITIES

A. TEACHING RESPONSIBILITIES AT UTMB:

- a. Teaching for the School of Health Professions:

Diane M. Collins, PhD, OT

My current responsibilities as a faculty member in the Departments of Occupational Therapy and Rehabilitation Science at UTMB include teaching the following courses throughout the year to Masters Level Occupational Therapy Students:

GRADUATE COURSE OFFERINGS:

1. OCCT 6210: Psychosocial Practice, 2 credits
2. OCCT 6211: Psychosocial Practice Lab, 2 credits
3. OCCT 6330: Management, 3 credits
4. OCCT 6225: Legal and Ethics, 2 credits
5. OCCT 6313: Lab Instructor, Foundations of Research I, 3 credits
6. OCCT 6216: Lab Instructor, Foundations of Research II, 3 credits

UNDERGRADUATE COURSE OFFERINGS:

1. OCCT 5351: Basic Research Methodology, 3 credits

Students/Mentees/Advisees/Trainees:

MASTERS of OCCUPATIONAL THERAPY

Class of 2017

1. Baethge, Emily
2. Fisher, Delany
3. Gordon, Holly
4. Jenkins, Brittany
5. Marsh, Betzaida
6. McElhany, Sydney
7. Said, Eman
8. Waldo, Rachel

Class of 2016

1. Asfoor, Lina
2. Corbitt, Astrid
3. Corgan, Chance
4. Essac, Sandra
5. Heithoff, Danielle
6. Manning, Melissa

Class of 2015

1. Baylor, Denise
2. D'ubio, Erin
3. Hayes, Cynthia
4. Huff, Yvonne
5. Jones, Kristopher
6. Lorton, Kristen
7. Nguyen, Chinh
8. Stelly, Janet
9. Warshaw, Jennifer

Class of 2014

1. Airhart, Kellyn

2. Brown, April
3. Cody Cooper
4. Garcia, Lynette
5. High, Mary Beth
6. Lemons, Landry
7. Moore, Brittney
8. Stovall, Jeremy
9. Zipp, Kelly

B. TEACHING RESPONSIBILITIES AT THE UNIVERSITY OF PITTSBURGH

Previous teaching responsibilities at the University of Pittsburgh included: (HRS stands for Health and Rehabilitation Services; REHSCI stands for Rehabilitation Sciences):

UNDERGRADUATE COURSE OFFERINGS:

2. HRS 1000: Introduction to Research. Rehabilitation Science curriculum for undergraduate rehabilitation science majors, clinical dietary students, and athletic training majors. Class taught three times over two semesters each year. 3 credits each.
1. HRS 1255: Epidemiology of Disabilities, Rehabilitation Science curriculum for undergraduate students who plan on applying for admission to occupational therapy, physical therapy, social work, rehabilitation counseling or clinical dietetics. Class taught each Spring Semester. 3 credits

GRADUATE COURSE OFFERINGS:

3. HRS 2715 Medical Aspects of Disability, MS in Rehabilitation Science and Technology or Rehabilitation Counseling, 3 credits, Spring 2011
2. HRS 2775, Intro to Evidence Based Practice for Prosthetics and Orthotics, Masters Program, 1 credit
1. HRS 3711: Ethnography for Quality of Life Technology, Fall 2008 to Present, 3 credits

SUMMER INTERN SEMINARS:

3. "Disability Sensitivity Training" for HERL Summer Interns, Summer 2010
2. "Technology for Disability" and "Technical Writing," Summer Series 2004 - 2007 for Bioengineering Student Interns at the Human Engineering Research Laboratories, VA Pittsburgh Healthcare System
1. "Aging Characteristics and Disabling Conditions Appropriate for Quality of Life Technology," CMU on September 21, 2006

ADDITIONAL TRAINING RESPONSIBILITIES:

I was a contractual employee with the task of providing Disability Sensitivity training to UPMC employees. I had presented this training to nearly 7,000 UPMC employees throughout Western Pennsylvania in all types of healthcare settings, including hospitals, outpatient clinics, and senior community living sites. Furthermore, I have presented, on two occasions, a program titled, "Assistance Dogs in Healthcare Settings."

PhD of REHABILITATION SCIENCES:

Dissertation Committee for:

1. Amol Karmarkar

- a. BS – Occupational Therapy, Occupational Therapy School and Center, Government Medical College, Nagpur University, India
- b. Advanced Graduate Certificate in Rehabilitation and Assistive Technology, 2003, University of Buffalo, Buffalo, NY
- c. MS – Occupational Therapy, February 2005, University of Buffalo, Buffalo, NY
- d. PhD – Rehabilitation Science and Technology, University of Pittsburgh, Graduated 2009.

Chair/Member of Master’s Thesis Supervisory Committee for:

1. Matthew Scoggin: Comparison of Vacuum-Suspension Lower Limb Sockets to Other Commercially Available Socket Designs
 - a. MS – Rehabilitation Science & Technology, Prosthetics and Orthotics Program, University of Pittsburgh, Graduated 2011.
2. Matthew Korn: Energy Expenditure Differences among Prosthetic Feet for Clients with Trans-Tibial Amputations during Steady Walking.
 - a. MS, Rehabilitation Science and Technology, Specialty of Orthotics and Prosthetics, Graduated, 2011
3. Pallavi Sood: Functional Outcome Assessments of Lower Extremity Prosthesis Use Compared to the Functional Mobility Assessment Outcome Tool.
 - a. BPT, Physical Therapy School and Centre Government Medical College Nagput
 - b. MS, Rehabilitation Science and Technology, Specialty of Orthotics and Prosthetics, Graduated, 2011
4. Cheyenne Irwin: The Assertive Community Treatment Model (ACT) for Individuals with Chronic or Severe and Persistent Mental Illness: A Review of Quality of Life Measures
 - a. MS, Rehabilitation Counseling, Rehabilitation Science and Technology Program, Graduated, 2011
5. Amit Kumar: Assessing the Test-Retest Reliability of Functional Mobility Assessment (FMA)
 - a. BPT, Physical Therapy School and Centre Government Medical College Nagput, 2001
 - b. MS, Rehabilitation Science and Technology, University of Pittsburgh, Graduated, 2010
6. Nethravathi Tharakeshwarappa: Transfer Biomechanics
 - a. BME – Jawaharlal Nehru National College of Engineering (J.N.N.C.E.), Shimoga; Kuvempu, India
 - b. MS – Rehabilitation Science and Technology, University of Pittsburgh, Graduated 2005
7. Amanda Reinsfelder: Efficacy of Service Dogs as Viable Forms of Assistive Technology

- a. BS – Vocational Rehabilitation with an emphasis on Assistive Technology, University of Wisconsin, Stout. Dec. 2003
 - b. MS – Rehabilitation Science and Technology, University of Pittsburgh, 2006
8. Robert Milan: Efficacy of Service Dogs as a Viable Form of Assistive Technology
- a. MS - Rehabilitation Science and Technology, University of Pittsburgh, Graduated 2007
9. Eun-Kyoung Hong: How does Wheelchair Use in VA Extended-Care Facilities affect Safety, Participation and Quality of Life?
- a. MS – Rehabilitation Science and Technology, University of Pittsburgh, Graduation 2009

MEMBERSHIP IN SCIENTIFIC SOCIETIES/PROFESSIONAL ORGANIZATIONS:

2016 to 2018	Vice Chair, Gulf Coast East District, Texas OT Association
2016 to present	Member, Rehabilitation Engineering Society of North American (RESNA)
2015 to present	Member, International Society for Autism Research
2012 to present	Member, American Occupational Therapy Association
2012 to present	Member, Texas Occupational Therapy Association, Inc.
2013 to 2016	Member, UTMB Diversity Council
2009 to 2012	Board Member, United Cerebral Palsy, Pittsburgh PA
2007 to 2011	Committee Member: University of Pittsburgh Medical Center’s Disability Resource Council
2000 to 2011	Member, Rehabilitation Engineers, and Assistive Technology Society of North America (RESNA)
2007 - 2008	Member, Executive Committee for the Rehabilitation Engineering Society of Japan, 2 nd Annual Conference in Niigata, Japan.
2007-2010	Rehabilitation Science & Technology Dept. Representative, University of Pittsburgh Alumni Association
1981 to 2000	American Occupational Therapy Association

HONORS:

May 2015	School of Health Professions Star Award for Professionalism, UTMB, Galveston, TX
June 2013	Honorary Member of the UTMB Pie Theta Epsilon Occupational Therapy Honor Society, Nu Chapter, Galveston, TX
July 2011	Inclusion Champion Award, University of Pittsburgh Center for Inclusion, UPMC, Pittsburgh PA.
June 2006	Institute of Rehabilitation Research Day Honorable Mention for a poster presentation entitled “Use of Higher Quality Wheelchairs by Race and Gender,” University of Pittsburgh Medical Center, Pittsburgh, PA.
2004-2006	Fellowship, VA Post-Doctoral Research Health Care Scientist – Disability Supplement,
June 2003	Whitaker Award Honorable Mention, Collins DM; Fitzgerald SG; Martin SG; Impink BG; Cooper RA. Satisfaction of Individuals in the Community with Wheelchairs and

- Service Delivery. Presented at the RESNA 26th International Conference on Technology and Disability: Research & Design, Practice & Policy, June 19-23, 2003 in Atlanta, GA.
- 2002–2004 Fellowship, VA Pre-Doctoral Associated Health Rehabilitation Research, Pittsburgh PA.
- 1999-2000 Fellowship, University & Community Leaders & Individuals with Disabilities UAP of Children’s Hospital of Pittsburgh and the University of Pittsburgh, Pittsburgh PA.
- 1975-1981 Merit Scholarship Recipient, Wayne State University, Detroit, MI.

ADDITIONAL INFORMATION:

Editorial Board

1. Member, Editorial Board of “Topics in Spinal Cord Injury,” 2015-2018
2. Member, Editorial Board of the international journal “Disability and Rehabilitation: Assistive Technology,” 2006-2011

Journal Reviewer for:

1. VA Journal of Rehabilitation Research and Development
2. Assistive Technology (RESNA Publication)
3. Archives of Physical Medicine and Rehabilitation
4. Disability and Rehabilitation: Assistive Technology
5. Texas Public Health Journal

Grant Reviewer for

1. SBIR Phase I Grant Review Panel for the National Institute of Disability, Independent Living, and Rehabilitation Research, July, 2015, Teleconference
2. SBIR/STTR Grant Review Panel for National Institute of Disability Rehabilitation Research, 2010 and 2011, Washington, D.C.
3. Grant Review Panel for National Institute of Disability Rehabilitation Research, 2002, 2003, Washington, D.C.

Professional Skills (i.e. Faculty mentor, professional development endeavors)

1. Computer hardware repair
2. Graphic Design

A. ARTICLES In Press

None at this time

B. ARTICLES IN PEER-REVIEWED JOURNALS:

31. *Eversole M, *Collins D*, Karmarkar A, Colton L, Quinn JP, Karsbaek, R, Johnson JR, Callier, NP & Hilton CL. Leisure activity enjoyment of children with autism spectrum disorders. Journal of Autism and Developmental Disorders. 2016: 46(1), 10-20. 10.1007/s10803-015-2529-z.
<http://link.springer.com/article/10.1007/s10803-015-2529-z>.
30. Hilton CL, Attal A, Best JR, Reistetter T, Trapani P & *Collins DM*. Exergaming to improve physical and mental fitness in children and adolescents with autism spectrum disorders: Pilot study. International Journal of Sports and Exercise Medicine, 2015, 1(3), 1-6.
<http://clinmedjournals.org/International-Journal-of-Sports-and-Exercise-Medicine.php?jid=ijsem>
29. Dicianno, BE, Kinback, N, Bellin, M, Chaulkind, L, Buhari, A., Holmbeck, G., Zabel, A., Donlan, R., *Collins, DM*. Depression symptoms in adults with spina bifida, Rehabilitation

- Psychology, 60(3);246-253. Access at URL: <http://dx.doi.org/10.1037/rep0000044>.
28. Dicianno BE, Karmarkar A, Houtrow AJ, **Collins DM**. Factors associated with mobility outcomes in a national spina bifida patient registry. *American Journal of Physical Medicine & Rehabilitation*, 2015;94(12). DOI: 10.1097/PHM.0000000000000404
 27. Dicianno BE, Fairman AD, McCue M, Parmanto B, Yih E, McCoy A, Pramana, G, Yu D-X, McClelland J, **Collins DM**, Brienza D. Feasibility of using mobile health to promote self-management in spina bifida. *American Journal of Physical Medicine & Rehabilitation*, 2015;95(6) DOI: 10.1097/PHM.0000000000000400.
 26. Yih E, Dicianno BE, Fairman AD, McCue M, Parmanto B, Pramana G, Yu DX, **Collins DM**. The effect of the interactive mobility health and rehabilitation (iMHere) system use on medical and utilization outcomes in patients with spina bifida. *Am J Phys Med Rehabil*. 2015; Suppl.
 25. McCoy, A, Dicianno BE, Fairman Ad, McCue M, Parmanto B, Pramana G, Yu DX, **Collins DM**. Effects of the interactive mobile health and rehabilitation (iMHere) smartphone application system on the self-management and functional and psychosocial outcomes of individuals with spina bifida. *Am J Phys Med Rehabil*. 2015; Suppl.
 24. Wang H, Xu J, Grindle G, Vazquez J, Salatin B, Kelleher A, Ding D, **Collins DM**, Cooper RA. Performance evaluation of The Personal Mobility and Manipulation Appliance (PerMMA). *Medical Engineering & Physics*. Available online 11 June 2013. Available at URL: <http://www.sciencedirect.com/science/article/pii/S1350453313001252#>
 23. Kumar A, Schmeler MR, Karmarkar AM, **Collins DM**, Cooper RM, Cooper RA, Shin H, Holm MB. Test-retest reliability of the functional mobility assessment (FMA): A pilot study. *Disability and Rehabilitation: Assistive Technology*, May 2013;8(3):213-219.
 22. Sprunger NA, Laferrier JZ, **Collins DM**, Cooper RA. Utilization of prosthesis and mobility-related assistive technology among service members and veterans from Vietnam and Operation Iraqi Freedom/Operation Enduring Freedom. *Journal of Prosthetics & Orthotics*. July 2012;24(3):144-152.
 21. Kumar A, Karmarkar AM, **Collins DM**, Souza A, Oyster ML, Cooper R, Cooper RA. Pilot study for quantifying driving characteristics during power wheelchair soccer. *Journal of Rehabilitation Research & Development*. 2012;49(1):75-82.
 20. Cooper RA, Molinero AM, Souza A, **Collins DM**, Karmarkar AM, Teodorski E, Sporer M. Effects of cross slopes and varying surface characteristics on the mobility of manual wheelchair users. *Assistive Technology*, 2012;24(2):102-109.
 19. Karmarkar AM, Dicianno BE, Cooper R, **Collins DM**, Matthews JT, Koontz A, Teodorski EE, Cooper, RA. Demographic profile of older adults using wheeled mobility devices. *Journal of Aging Research*. 2011;560358
 18. Mahajan H, Spaeth DM, Dicianno BE, **Collins DM**, Boninger ML, Cooper RA. Comparison of virtual wheelchair driving performance of people with traumatic brain injury using an isometric and a conventional joystick. *Archives of Physical Medicine & Rehabilitation* Aug. 2011;92(8):1298-1304
 17. Cooper RA, Teodorski EE, Schein ML, **Collins DM**. Manual wheelchair propulsion over cross-sloped surfaces: A literature review. *Assistive Technology*. 2011;23(1):42-51.
 16. Karmarkar AM, **Collins DM**, Kelleher A, Ding D, Oyster M, Cooper RA. Manual wheelchair-related characteristics of older adults in nursing homes. *Disability & Rehabilitation Assistive Technology*. 2010;5(6):428-437.
 15. Souza A*, Kelleher A, Cooper R, Cooper RA, Iezzoni LI, **Collins DM**. Multiple sclerosis and mobility-related assistive technology: Systematic review of literature. *Journal of Rehabilitation Research and Development*, 2010;47(3). 213-224.

- Available at URL: <http://www.rehab.research.va.gov/jour/10/473/souza.html>
15. Collins DM, Scherer M, DeJonge DM, Karmarkar A, Harris F, Cooper RA. Consumers perspectives on assistive technology: Simplicity, function, appearance and cost. 2010; Assistive Technology.
 14. Karmarkar A*, **Collins DM**, Kelleher A, Cooper RA. Satisfaction Related to Wheelchair Use in Older Adults in Both Nursing Homes and Community Dwelling. Disability and Rehabilitation: Assistive Technology, 2009, 4(5), 337-343.
- Please note: The Editor of this publication said this article was among the top 20 most viewed articles.
 13. Karmarkar AM*, **Collins DM**, Wichman T, Franklin A, Fitzgerald SG, Dicianno BE, Pasquina PF, Cooper RA. Prostheses and Wheelchairs Use in Veterans with Lower Limb Amputation (LLA). Journal of Rehabilitation Research and Development. 2009;46(5):567-576.
Available at URL: <http://www.rehab.research.va.gov/jour/09/46/5/pdf/karmarkar.pdf>.
 12. Dicianno BE, Gaines A, **Collins DM**, Lee S. Mobility, assistive technology use and social integration among adults with spina bifida. American Journal of Physical Medicine and Rehabilitation, 2009;88(7):533-541.
 11. Pasquina PF, Tsao J, **Collins DM**, Cyhan T, Chan B, Charrow A, Cooper RA. Quality of Medical Care provided to Service Members with Combat-related Major Limb Amputations: A Report of Patient Satisfaction. VA Journal of Rehabilitation Research and Development, Journal of Rehabilitation Research & Development. 2008;45(7):953-960. Available at URL: http://www.research.va.gov/programs/JRRD/45_7/pasquina.pdf.
 10. Dicianno BE, Aguila ED, Cooper RA, Pasquina PF, Clark M, **Collins D**, Fitzgerald S, Wichman T. Acute Mountain Sickness in Disability and Adaptive Sports: Preliminary Data. Journal of Rehabilitation Research & Development. 2008;45(4):479-488.
Available at URL: http://www.research.va.gov/programs/JRRD/45_4/Dicianno.pdf
 9. Spaeth DM, Mahajan H, Karmarkar A, **Collins DM**, Cooper RA, Boninger ML. Development of a wheelchair virtual driving environment - Trials with individuals with traumatic brain injury, Archives of Physical Medicine and Rehabilitation, May 2008;89:996-1005. Available at URL: [http://www.archives-pmr.org/article/S0003-9993\(08\)00084-1/abstract](http://www.archives-pmr.org/article/S0003-9993(08)00084-1/abstract)
 8. Fitzgerald SG, Kelleher A, Teodorski E, **Collins DM**, Boninger M, Cooper RA. The development of a nationwide registry of wheelchair users. Disability & Rehabilitation: Assistive Technology, 2007 Nov.; 2(6):358-365.
 7. Gaines A, Dicianno BE, **Collins DM**. Wheelchair use, social integration and mobility among adults with spina bifida. American Journal of Physical Medicine & Rehabilitation. 2007 Apr.;86(4):331-332
 6. Chaves ES, Cooper RA, **Collins DM**, Karmarkar A, Cooper R. Review of the use of restraints and lap-belts with wheelchair users. Assistive Technology, 2007;19(2):94-107.
 5. **Collins DM**, Karmarkar A, Relich R, Pasquina P, Cooper RA. Review of research on prosthetic devices for lower extremity amputation. Critical Reviews in Biomedical Engineering, 2006;34(5):379-438.
 4. **Collins DM**, Fitzgerald SG, Sachs-Ericsson N, Scherer M, Cooper RA, Boninger ML; Psychosocial well-being and community participation of service dog partners, Disability and Rehabilitation, Special Assistive Technology Edition, 2006, Disability and Rehabilitation: Assistive Technology, January-June 2006; 1(1-2): 41 – 48.
 3. Cooper RA, Boninger ML, Spaeth DM, Ding D, Guo S, Koontz AM, Fitzgerald SG, Cooper R, Kelleher A, **Collins DM**. Engineering better wheelchairs to enhance community participation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2006;14(4):438-455.
 2. Fitzgerald SG, **Collins DM**, Cooper RA, Martin SG, Tolerico M, Kelleher A, Impink BG, Cooper R. Issues in maintenance and repairs of wheelchairs: A pilot study. Journal of Rehabilitation Research

and Development, November/December 2005, 42(6): 853-862.

1. Wolf EJ, Pearlman J, Cooper RA, Fitzgerald SG, Kelleher AR, **Collins DM**, Boninger ML, Cooper R. Vibration exposure of individuals using wheelchairs over concrete paver surfaces, *Disability and Rehabilitation, Disability and Rehabilitation*, December 2005;27(23): 1443 – 1449.

PEER-REVIEWED CONFERENCE PUBLICATIONS/ABSTRACTS:

28. Hilton CL, Attal A, and **Collins DM**. Effects of exergaming on executive function and motor skills in children with autism spectrum disorders. Nov. 2015, Texas Occupational Therapy Association Conference, Sugarland, TX
27. Hilton CL and **Collins DM**. Exergaming to improve physical and mental fitness in children with autism spectrum disorders, International Meeting for Autism Research, May 14-16, 2015. Salt Lake City, UT.
26. Murakam J and **Collins DM**. The CASPER Approach and verification of the results at a Medical Institution. February, 2015, 31st International Seating Symposium, Nashville, TN
25. Molinaro A, **Collins DM**, Pearlman J, Karmarkar A, Teodorski E, Cooper RA. Manual wheelchair propulsion over cross-sloped surfaces with varying characteristics and users' perceptions of difficulty. Proceedings of the Annual RESNA Conference, New Orleans, LA. June, 2009.
24. **Collins DM**, Souza A, Brody S, Kelleher A, Cooper R, Cooper RA. Mobility-related AT Device Use among Individuals with Different Types of Multiple Sclerosis. Proceedings of the International Seating Symposium, March 12-14, 2009, Orlando, FL.
23. **Collins DM**, Scherer M, de Jonge D, Karmarkar A, Harris F, Cooper RA. Consumers Perspectives on Assistive Technology: Simplicity, Function, Appearance and Cost. Proceedings of the Annual RESNA Conference, Washington, D.C. June, 2008.
22. *Karmarkar A, **Collins DM**, Tolerico ML, Cooper RA. Monitoring Wheelchair-Related Physical Activities in Older Adults in Nursing Care Facilities, Proceedings of the Annual RESNA Conference, Washington, D.C., June, 2008.
21. *Hong E, **Collins DM**, Karmarkar A, Cooper RA, Differences in Wheelchair Satisfaction of Veterans by Body Mass Index, in press, Proceedings of the Annual RESNA Conference, Phoenix, AZ, June 15-19, 2007.
20. *Battles JA, Karmarkar A, **Collins DM**, Pasquina P, Fitzgerald SG, Cooper RA, Prostheses or Wheelchairs: Factors Determining Selection of Primary Mobility Device for Individuals with Lower Extremity Amputations, in press, Proceedings of the Annual RESNA Conference, Phoenix, AZ, June 15-19, 2007.
19. *Karmarkar A, **Collins DM**, Pasquina P, Wichman T, Fitzgerald SG, Dicianno BE, Cooper RA, Functional Performance and Satisfaction Related to Prostheses Use in Veterans with Lower Extremity Amputation. Proceedings of the Annual RESNA Conference, Phoenix, AZ, June 15-19, 2007.
18. Gaines A, Dicianno BE, **Collins DM**. Wheelchair Use, Social Integration, and Mobility among Adults with Spina Bifida. Proceedings for the Association of Academic Physiatrists, Accepted for presentation, April 10-14, 2007, San Juan, Puerto Rico, USA.
17. *Karmarkar AM, Cooper RA, Connor S, **Collins DM**. Power-Assisted Wheelchairs (PAPAW) Using ANSI/RESNA Standards. Proceedings for the Rehabilitation Engineering and Assistive Technology Society of North America's International Conference on Technology and Disability: Research & Design, Practice & Policy Conference, Atlanta, June 22-26, 2006.
16. **Collins DM**, Use of Higher Quality Wheelchairs by Race and Gender, Institute of Rehabilitation Research of the University of Pittsburgh Medical Center, Pittsburgh, PA, IRRDay, June 1, 2006.
15. **Collins DM**, Fitzgerald SG, Kelleher AR, Teodorski E, Cooper RA. Use of Higher Quality Wheelchairs by Race and Gender, Proceedings of the Rehabilitation Engineering and Assistive

- Technology Society of North America's International Conference on Technology and Disability: Research & Design, Practice & Policy Conference, Atlanta, June 22-26, 2006.
14. Milan R, Fitzgerald SG, **Collins DM**, Reinsfelder A, Sporer M. Furry Helpers with "Fuzzy Logic." Proceedings of the Rehabilitation Engineering and Assistive Technology Society of North America's International Conference on Technology and Disability: Research & Design, Practice & Policy Conference, Atlanta, June 22-26, 2006.
 13. **Collins DM**, Fitzgerald SG, Martin SG, Reinsfelder A, Milan R, Sachs-Ericsson N, Cooper RA, Boninger ML. Wheelchair service dogs, demographic characteristics, and social participation: Who benefits most? Accepted for presentation at the RESNA 28th International Conference on Technology and Disability: Research & Design, Practice & Policy Conference, June 24-27, 2005, Atlanta, GA.
 12. Reinsfelder A, Fitzgerald S, **Collins DM**, Martin S. Barks vs. Bytes (And other assistive technology). Accepted for presentation at the RESNA 28th International Conference on Technology and Disability: Research & Design, Practice & Policy Conference, June 24-27, 2005, Atlanta, GA.
 11. Martin SG, Fitzgerald SG, **Collins DM**, Kelleher A, Effects of service dogs on assistive device use. Presented at the RESNA 28th International Conference on Technology and Disability: Research & Design, Practice & Policy Conference, June 24-27, 2005, Atlanta, GA.
 10. **Collins DM**, Fitzgerald SG, Martin SG, Fuhman SI, Boninger, ML; Physical Independence and Mobility: A Study of Functional Performance of Individuals with and Without Service Dogs. Proceedings of the RESNA 27th International Conference on Technology and Disability: Research & Design, Practice & Policy Conference, June 2004, Orlando, FL.
 9. Fuhman SI, Fitzgerald SG, **Collins DM**, Martin SG; Effect of Service Dog Ownership and Other Parameters on the Number of Hours of Paid Assistance for Individuals with Spinal Cord Injuries. Proceedings of the RESNA 27th International Conference on Technology and Disability: Research & Design, Practice & Policy Conference, June 2004, Orlando, FL.
 8. Martin SG, Fitzgerald SG, Cooper RA, **Collins DM**. Do Organized Sporting Events make a Difference for Individuals who use Wheelchairs? Proceedings of the RESNA 27th International Conference on Technology and Disability: Research & Design, Practice & Policy Conference, June 2004, Orlando, FL.
 7. Allegretti A, Fitzgerald SG, Cooper RA, **Collins DM**, Martin SG. The Relationship between Pain, Fatigue and Level of Depression in Wheelchair Users. Proceedings of the RESNA 27th International Conference on Technology and Disability: Research & Design, Practice & Policy Conference, June 2004, Orlando, FL.
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