

Carey L Holleran, PT, MPT, DHS
Board Certified in Neurologic Physical Therapy
6/29/2026

Contact Information

Office

Program in Physical Therapy
Washington University School of Medicine
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Present Position

07/2021-present	Associate Professor of Physical Therapy and Neurology Program in Physical Therapy Wash U School of Medicine
07/2021-present	Assistant Director of Student Assessment and Program Evaluation Program in Physical Therapy Wash U School of Medicine

Education

Undergraduate

08/1999-05/2003	Bachelor of Health Science (BS) Duquesne University, Pittsburgh, PA
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Graduate

05/2003-08/2004	Master of Physical Therapy (MPT) Duquesne University, Pittsburgh, PA
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Post-graduate training

08/2011-12/2014	Doctor of Health Science (DHS) University of Indianapolis, IN
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Academic and Promotion History:

10/2016-07/2021	Assistant Professor of Physical Therapy and Neurology Program in Physical Therapy Wash U School of Medicine
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Employment History:

2004-2006	Physical Therapist University of Pittsburgh Medical Center Pittsburgh, PA
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2007-2016	Inpatient Spinal Cord Injury Model Systems Program Physical Therapist Rehabilitation Institute of Chicago (Shirley Ryan AbilityLab) Chicago, IL
2009-2016	Inpatient Spinal Cord Injury Model Systems Program Clinical Research Coordinator and Research Physical Therapist Locomotor Recovery Laboratory, Sensory Motor Performance Program, Rehabilitation Institute of Chicago Chicago, IL
2013-2015	Lecturer Department of Physical Therapy and Department of Kinesiology and Nutrition University of Illinois in Chicago Chicago, IL
2015-2016	Clinical Practice Leader for Neurologic Physical Therapy Rehabilitation Institute of Chicago (Shirley Ryan AbilityLab) Chicago, IL
2015-2016	Contract Educator Physical Therapy and Human Movement Science Program Northwestern University Chicago, IL
2015-2016	Co-Director for Neurologic Physical Therapy Residency Northwestern University and Shirley Ryan Ability Lab Chicago, IL
2017-2019	Physical Therapist The Rehabilitation Institute of St. Louis St. Louis, MO
2019-2024	Inpatient Float Therapist Physical Therapist Washington University Physical Therapy – TRISL St. Louis, MO Outpatient Neurologic Physical Therapist

University, School of Medicine and Hospital Appointments

2018-2019	Learning Science Committee Member Doctor of Physical Therapy Program Wash U School of Medicine, St. Louis, MO
2019	Curriculum Renewal Architecture Team Lead Doctor of Physical Therapy Program Wash U School of Medicine, St. Louis, MO
2019-present	Curriculum Design Team Doctor of Physical Therapy Program Wash U School of Medicine, St. Louis, MO
2020	Learner Assessment for Program Leaders Wash U School of Medicine, St. Louis, MO
2020	Teaching Scholars Program

	Wash U School of Medicine, St. Louis, MO
2020-present	Physical Therapy Inclusion and Diversity Doctor of Physical Therapy Program Wash U School of Medicine, St. Louis, MO
2021-present	Academy of Educators Wash U School of Medicine, St. Louis, MO
2021-present	Mentorship Subcommittee, Academy of Educators Wash U School of Medicine, St. Louis, MO
2022	Methods in Education Scholarship Certificate Program Wash U School of Medicine, St. Louis, MO
2024-present	Teaching Scholars Program Candidate Review Committee Wash U School of Medicine, St. Louis, MO
2024-present	Wash U School of Medicine ACGME Assessment Hub Core Team Member Wash U School of Medicine, St. Louis, MO

Professional Licensures and Certifications

Licenses

2011-present	Physical Therapist License # 2011011358 Missouri Board of Registration for the Healing Arts
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Certifications

2016	Certified Clinical Instructor American Physical Therapy Association
2007-present	Board Certified Specialist in Neurology American Board of Physical Therapy Specialties
2017	Re-Certified Board Certified Specialist in Neurology American Board of Physical Therapy Specialties

Honors and Awards

2008-2009	Donnelly Family Disability Ethics Scholar Rehabilitation Institute of Chicago (Shirley Ryan AbilityLab)
2009	Magnuson Award Finalist Rehabilitation Institute of Chicago (Shirley Ryan AbilityLab)
2011	Henry Betts Award for Clinical Research Innovation Rehabilitation Institute of Chicago (Shirley Ryan AbilityLab)
2014	Brown Fellowship Research Award Rehabilitation Institute of Chicago (Shirley Ryan AbilityLab)
2015	Sarah Baskin Research Excellence Award for Clinician Researcher Rehabilitation Institute of Chicago (Shirley Ryan AbilityLab)
2015	Chattanooga Research Award for Best Clinical Research Article Published in Physical Therapy American Physical Therapy Association
2021	Academy of Educators Wash U School of Medicine

2021	Excellence in Neurologic Education Award Nominee Academy of Neurologic Physical Therapy
2022	Medical Education Research Unit Small Grant Awardee Wash U School of Medicine
2025	Stanford Award Academy of Education, American Physical Therapy Association

Editorial and Review Responsibilities

Ad Hoc Manuscript Reviews

2015-present	Reviewer Journal of Neurologic Physical Therapy
2019-present	Reviewer Archives of Physical Medicine and Rehabilitation
2020-present	Reviewer Neurorehabilitation Neural Repair
2020-present	Reviewer The Journal of Spinal Cord Medicine
2025-present	Reviewer Disability and Rehabilitation
2025-present	Reviewer Frontiers in Education

Abstract Review for National and International Meetings

2024	Reviewer Education Leadership Conference American Physical Therapy Association
2025	Reviewer - Academy of Education Combined Sections Meeting of the American Physical Therapy Association

Other Peer Review Activities

2018	Invited Review Journal of Neurologic Physical Therapy “A Core Set of Outcome Measures for Adults with Neurologic Conditions Undergoing Rehabilitation - Clinical Practice Guideline”
2019	Invited Review Consortium for Spinal Cord Medicine “Clinical Practice Guideline for Mental Health Disorders, Substance Use Disorders, and Suicide in Adults with Spinal Cord Injury”

Community Service Contributions

Washington University in St Louis School of Medicine Committee and Administrative Service:

2017	Interprofessional Education Experiences, Center for Interprofessional Practice and Education
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2018-2023	Wash U School of Medicine Camp Neuro Wash U School of Medicine
2018-2023	Cross-Campus Educational Research Group (C2ERG) Wash U School of Medicine and Danforth
2018-2021	Co-Course Coordinator Biennial Clinical Instructor's Meeting Wash U School of Medicine
2019	Poverty Simulation Facilitator Center for Interprofessional Practice and Education Wash U School of Medicine
2020-2021	Phase 1 Small Group Facilitator Center for Interprofessional Practice and Education Wash U School of Medicine
2021	BESr Student Summer Program - Multicultural high school student shadow program Wash U School of Medicine
2022-present	Mentorship Committee Academy of Educators Wash U School of Medicine
2024	Education Research Group Danforth Campus
2024	Faculty Search Committee (e.g. Member, Physiology Faculty Search)

Service to Other Universities

2018	Northwestern University	External Reviewer for Faculty Promotion
2024	Northwestern University	External Reviewer for Faculty Promotion
2025	Northwestern University	External Reviewer for Faculty Promotion

Community Outreach & Volunteer Service:

M/YYYY-M/YYYY Activity, Institution/Organization, City, State, Country if not USA

Membership in Professional Societies

2004-present	American Physical Therapy Association Member
2006-present	Academy of Neurologic Physical Therapy Section Member
2012-2013	Practice Excellence Committee Co-Chair Illinois Physical Therapy Association
2015-present	Academy of Neurologic Physical Therapy Section, Spinal Cord Injury Special Interest Group Member
2016-present	Academy of Physical Therapy Education Section Member
2019-present	Academy of Physical Therapy Research Section Member
2021-present	Consortium for the Humanities, Ethics, and Professionalism (CHEP) American Council of Academic Physical Therapy
2021-present	Alliance for Disability in Health Care Education Member

National Panels, Committees, Boards

American Board of Physical Therapy Specialties

2009–2014 Item Writer, Neurologic Certified Specialists Examination

National Board of Medical Examiners, Academy of Neurologic Physical Therapy

2014 Standard Settings for Neurologic Certified Examination

Academy of Neurologic Physical Therapy

2017–2018 Critical Appraiser and Data Extractor, Locomotor Clinical Practice Guideline for Chronic Incomplete Spinal Cord Injury, Stroke, and Traumatic Brain Injury

Academy of Neurologic Physical Therapy

2018–2023 Co-Chair Knowledge Translation Task Force for the Locomotor Clinical Practical Guideline

Academy of Neurologic Physical Therapy

2019–2023 Co-Chair for National Campaign “Intensity Matters”

International Committee and Administrative Service:

Institute for Knowledge Translation

2026-present Advancing Gait Training in Neurologic Rehabilitation: An International Capacity-Building Exchange
USA, Norway, Ukraine collaborative

Consulting Relationships and Board Memberships

2018-present Advisor
Guidepoint Consultants
New York, NY
2019-present Clinical Residency Faculty
Institute for Knowledge Translation Neurologic Residency Training Program

Teaching

Major External Invited Presentations, including Professorships and Lectures

2018 Invited Lectureship
“Evidence Informed Care; Translating the Best Evidence Now”
Anderson Hospital, Maryville, IL
2019 Invited Lectureship
“Learning Styles: Myth-Busted”
Central Area Consortia Meeting
Washington University
2019 Invited Lectureship
“Capacity versus Performance”
Mary Free Bed Rehabilitation Hospital, Grand Rapids, IA

2020	Invited Lectureship “Capacity versus Performance: Clinical Implications” Institute for Knowledge Translation Residency Programming
2020	Invited Lectureship “Clinical Implications of Capacity Versus Performance” Annual Interdisciplinary Stroke Conference Mary Free Bed Rehabilitation Hospital, Grand Rapids, IA
2020	Invited Lectureship “Maximizing the Active Ingredients in Neurorehabilitation” Annual Interdisciplinary Stroke Conference Mary Free Bed Rehabilitation Hospital, Grand Rapids, IA
2020	Invited Podcast Interviewee “Application of the Clinical Practice Guideline to Spinal Cord Injury Rehabilitation” Spinal Cord Injury Special Interest Group, Academy of Neurologic Physical Therapy
2020	Invited Podcast Interviewee Stroke Special Interest Group, Academy of Neurologic Physical Therapy
2021	Invited Lectureship Physical Therapy Learning Institute “Time-Variable Competency-Based Physical Therapy Education Disruptive Innovation in Physical Therapist Education; Reimagining Physical Therapist Education: A Virtual Summit
2023	Invited Lectureship “Assessment to support the development of the Master Adaptive Learner” ACAPT Clinical Reasoning Symposium Phoenix, AZ
2023	Interdisciplinary Grand Rounds BJC Memorial Hospital “Intensive gait training in Neurologic Populations: Evidence and Safety Considerations” Belleville, IL
2023	Invited Lectureship “Activity Performance in Daily Life: Moving Toward Meaningful Measurement and Intervention” Mary Free Bed Rehabilitation Hospital, Grand Rapids, IA
2023	Invited Lectureship “Activity Performance in Daily Life: Moving Toward Meaningful Measurement and Intervention” Indiana Physical Therapy Association State Conference Evansville, IN
2023	Small Grants Committee Research Meeting “Entrustable Professional Activity Assessment in DPT Clinical Education: A Pilot Study” Medical Education Research Unit Wash U School of Medicine

2024	Research Group Meeting “Entrustable Professional Activity Assessment in DPT Clinical Education: A Pilot Study” Program in Physical Therapy Wash U School of Medicine
2024	Invited Research Presentation “Activity Capacity and Activity Performance in Daily Life” TIRR Rehabilitation Hospital
2024	Neurologic Specialty Certification Residency Training Education Session “Combining Motor Learning Principles with High Intensity Gait Training” Institute for Knowledge Translation
2024	Neurologic Specialty Certification Residency Training Education Session Learning Science Strategies and the Learning Environment Institute for Knowledge Translation
2025	Clinical Instructor Education Series, Wash U PT “Enhancing Clinical Competency – Strategies for Facilitating Master Adaptive Learning in Healthcare Environments”
2025	Educational Session “Activity performance in Daily Life: Moving Toward Meaningful Measurement and Intervention” MedStar NRH Rehabilitation Hospital Washington DC, Washington
2025	Platform Presentation “Assessing the Assessors” iTeach Conference Wash U Danforth

Courses

2016-2021	Laboratory Assistant and Practical Examiner Professional DPT courses: Essential Clinical Skills I; Diagnosis & Management of Neuromuscular Conditions I; Diagnosis & Management of Neuromuscular Conditions II; Professional Issues & Skills Development I; Professional Issues & Skills Development III Program in Physical Therapy Wash U School of Medicine
2016-2021	Lecturer Professional DPT courses: Diagnosis & Management of Neuromuscular Conditions II; Professional Issues & Skills Development III; Case Integration III Program in Physical Therapy Wash U School of Medicine
2018-present	Guest Lecturer Undergraduate Department of Biology

2017-2021	Introduction to Health Professions Course Assistant Essential Clinical Skills I Program in Physical Therapy Wash U School of Medicine
2017-2021	Mentor/Advisor Professional DPT courses: Case Integration I; Case Integration II; Case Integration III; Diagnosis, Evidence & Analysis III Program in Physical Therapy Wash U School of Medicine
2020	Course Assistant Professional Issues & Skills Development I Program in Physical Therapy Wash U School of Medicine
2021-present	Ethics and Humanities Thread Lead Program in Physical Therapy Wash U School of Medicine
2021-present	Content Lead Diagnosis and Management of Movement Problems - Neuromuscular Conditions – Improving Walking Outcomes Program in Physical Therapy Wash U School of Medicine

Washington University Presentations & Lectures

2018	Workshop Facilitator Clinical Instructor's Meeting Program in Physical Therapy Wash U School of Medicine
2019	Invited Faculty Commencement Address Class of 2019 Program in Physical Therapy Wash U School of Medicine

Internal Presentations & Lectures at University [e.g. previous places of employment]:

2011-2015	Invited Lectureship and Clinical Workshop Leader “Locomotor Training in patients with spinal cord injury: Using prognostic indicators to structure interventions” Rehabilitation Institute of Chicago (Shirley Ryan AbilityLab), Chicago, IL
2014	Course Chair, Faculty, and Lectureship “Walk the walk: Locomotor Training for patients with spinal cord injury and stroke.” Rehabilitation Institute of Chicago (Shirley Ryan AbilityLab), Chicago, IL
2015	Invited Lectureship

2015 “Community mobility after Motor Incomplete Spinal Cord Injury: Research Updates.”
 Rehabilitation Institute of Chicago (Shirley Ryan AbilityLab), Chicago, IL
 Invited Lectureship
 “Spinal Cord Injury Rehabilitation”
 Northwestern University Movement and Rehabilitation science Annual Clinical Bootcamp for PostDoctoral Fellows
 Feinberg School of Medicine, Chicago, IL

Curriculum Development

Wash U Program in Physical Therapy

2021-present Ethics and Humanities Thread Lead

2021-present Program in Physical Therapy
 Wash U School of Medicine
 Content Lead
 Diagnosis and Management of Movement Problems - Neuromuscular Conditions – Improving Walking Outcomes
 Program in Physical Therapy
 Wash U School of Medicine

Mentorship & Sponsorship Record

Served as **career development mentor and/or sponsor** for:

a) Other learners

2023- present Mentor to 8 early-career neurologic physical therapists means grounding them through the initial complexities of high-acuity patient care while sharpening their foundational clinical reasoning.

Research

Present Extramural Grants:

1) NIH Grant #: R01/R37 HD068290 (Lang) 2022-present
Title of Grant
 Role: Clinical Research Coordinator
 Effort Support: 10%

Past Extramural Funding:

1) NIH Grant #: 2 RO1 HD068290-05 (Lang) 2016-2022
Evaluating capacity versus performance during outpatient neurorehabilitation

Role: Clinical Research Coordinator
Effort Support: 10%

Past Intramural Funding:

- 1) Medical Education Research Unit Small Grant 2022-2024
Feasibility and Perspectives on Entrustment Assessment in Facilitating Learning in DPT Clinical Education
Role: Principal Investigator
Effort Support: 0%

Bibliography

Original, peer reviewed articles in refereed journals

1. Hornby TG, Straube DD, Kinnaird CR, **Holleran CL**, Echauz T, Rodriguez K, Wagner E, Narducci E. Importance of specificity, amount, and intensity of locomotor training to improve ambulatory function in patients post-stroke. *Topics in Stroke Rehabilitation*. 2011 Jul-Aug;18(4):293-307.
2. Hornby TG, Kinnaird CR, **Holleran CL**, Rodriguez K, Rafferty M, Cain J. Kinematic, muscular, and metabolic responses during exoskeletal-, elliptical-, or therapist-assisted stepping in people with incomplete spinal cord injury. *Phys Ther*. 2012 Oct; 92(10):1278-1291.
3. **Holleran CL**, Straube DD, Kinnaird CR, Leddy AL, Hornby TG. Feasibility and Potential Efficacy of High-Intensity Stepping Training in Variable Contexts in Subacute and Chronic Stroke. *Neurorehabilitation Neural Repair*. 2014 Sep;28(7):643-51.
4. Leddy AL, Connolly M, **Holleran CL**, Hennessy PW, Woodward J, Arena RA, Roth EJ, Hornby TG. Alterations in aerobic exercise performance and gait economy following high-intensity dynamic stepping training in persons with subacute stroke. *J Neurol Phys Ther*. 2016 Oct; 40(4):239-48.
5. Brazg G, Fahey M, **Holleran CL**, Connolly M, Woodward J, Hennessy PW, Schmit BD, Hornby TG. Effects of Training Intensity on Locomotor Performance in Individuals with Chronic Incomplete Spinal Cord Injury. *Neurorehabil Neural Repair*. 2017 Oct-Nov; 31(10-11).
6. Straube DD, **Holleran CL**, Kinnaird CR, Leddy AL, Hennessy PW, Hornby TG. Effects of dynamic stepping training on non-locomotor tasks in individuals post-stroke. *Phys Ther*. 2014 Jul;94(7):921-33.
7. Hornby TG, **Holleran CL**, Leddy AL, Hennessy PW, Leech KA, Connolly M, Straube DD, Lovell L, Roth E. Feasibility of focused stepping practice during inpatient rehabilitation post-stroke and potential contributions to mobility outcomes. *Neurorehabilitation Neural Repair*. 2015 Nov-Dec; 29(10):923-32.

8. **Holleran CL**, Rodriguez K, Echauz A, Leech K, Hornby TG. Potential contributions of training intensity on locomotor performance in individuals with chronic stroke. *J Neurol Phys Ther*. 2015 Apr; 39(2):95-102.
9. Hornby TG, **Holleran CL**, Hennessy PW, Leddy AL, Connolly M, Camardo J, Woodward J, Mahtani G, Lovell L, Roth EJ. Variable Intensive Early Walking Poststroke (VIEWS): A Randomized Controlled Trial. *Neurorehabil Neural Repair*. 2016 Jun; 30(5): 440-50.
10. Mahtani GB, Kinnaird CR, Connolly MA, **Holleran CL**, Hennessy PW, Woodward J, Brazg G, Roth EJ, Hornby TG. Altered sagittal- and front-plane kinematics following high-intensity stepping training versus conventional interventions in subacute stroke. *Phys Ther*. 2016 Sep 15.
11. Leech KA, Kinnaird CR, **Holleran CL**, Kahn J, Hornby TG. Effects of locomotor exercise intensity on gait performance in individuals with incomplete spinal cord injury. *Phys Ther*. 2016 Dec;96(12)-1919-1929.
12. Brazg G, Fahey M, **Holleran CL**, Connolly M, Woodward J, Hennessy PW, Schmit BD, Hornby TG. Effects of Training Intensity on Locomotor Performance in Individuals with Chronic Spinal Cord Injury: A Randomized Crossover Study. *Neurorehabil Neural Repair*. 2017 Oct-Nov;31(10-11): 944-954.
13. **Holleran CL**, Hennessy P, Leddy A, Mahtani G, Brazg G, Schmidt B, Hornby TG. High intensity variable stepping training in patients with motor incomplete spinal cord injury: a case series. *J Neurol Phys Ther*. 2018 Apr;42(2):94-101.
14. Woodward JL, Connolly M, Hennessy PW, **Holleran CL**, Mahtani GB, Brazg G, Fahey M, Maganti K, Hornby TG. Cardiopulmonary Responses During Clinical and Laboratory Gait Assessments in People with Chronic Stroke. *Phys Ther*. 2019 Jan 1: 99(1):86-97.
15. Hornby TG, Reisman DS, Ward IG, Scheets PL, Miller A, Haddad D, Fox EJ, Fritz NE, Hawkins K, Henderson CE, Hendron KL, **Holleran CL**, Lynskey JE, Walter A; and the Locomotor CPG Appraisal Team. Clinical Practice Guideline to Improve Locomotor Function Following Chronic Stroke, Incomplete Spinal Cord Injury, and Brain Injury. *J Neurol Phys Ther*. 2020 Jan;44(1):49-100.
16. **Holleran CL**, Blang MD, Reisman DS, Ellis TD, Earhart GM, Lang CE. Day-to-day variability of walking performance measures in individuals post-stroke and individuals with Parkinson disease. *J Neurol Phys Ther*. 2020 Oct;44(4):241-247.
17. Hornby TG, Roth E, Lovell L, Henderson C, **Holleran CL**, Jang J. Stepwise regression and latent profile analysis of locomotor outcomes post-stroke. *Stroke*. 2020 Oct;51(10):3074-3082.
18. Lang CE, Barth J, **Holleran CL**, Konrad JD, Bland MD. Implementation of Wearable Sensing Technology for Movement: Pushing Forward into the Routine Physical Rehabilitation Care Field. *Sensors (Basel)*. 2020 Oct 10;20(20):5744.

19. Lang CE, Waddell KJ, Barth J, Holleran CL, Strube MJ, Bland MD. Upper Limb Performance in Daily Life Approaches Plateau Around Three to Six Weeks Post-stroke. *Neurorehabil Neural Repair*. 2021 Oct;35(10):903-914.
20. **Holleran CL**, Fogo J, Miller SA, Hornby TG. Community Mobility Method Selection in Individuals with iSCI: A Qualitative Analysis. *Journal of Humanities in Rehabilitation*. December 17, 2021.
21. Abraham, K., Green-Wilson, J., Hartley, G.W., Deusinger, S., Altenburger, P., Blackinton, M., Byl, N., Nordstrom, T. and Tschoepe, B. Master Adaptive Learning as a Framework for Physical Therapist Professional Education: A Call to Action. *Physical Therapy*. 2022. The authors acknowledge the following individuals who served as speakers during the Summit that provided the [foundation for this Point of View manuscript](#): **Holleran CL**.
22. Lang CE, **Holleran CL**, Strube M, Ellis T, Newman C, Fahey M, DeAngelis T, Nordahl T, Reisman D, Earhart GE, Lohse K, Bland MD. Improvement in capacity for activity vs. improvement in performance of activity in daily life during outpatient rehabilitation. *J Neurol Phys Ther*. 2023 Jan 1;47(1):16-25.
23. **Holleran CL**, Bland M, Lang CE. Comprehensive Assessment of the Activity Level of the ICF Using Both Capacity and Performance Measures: A Case Report. *Arch Rehabil Res Clin Transl*. 2023 Jul 4;5(3):100277.
24. Bland MD, **Holleran CL**, Newman CA, Fahey M, Nordahl TJ, DeAngelis TR, Ellis TD, Reisman DS, Earhart GM, Lang CE. ICF classification of therapeutic goals for outpatient episodes of neurorehabilitation in post-stroke and Parkinson disease. *Disabil Rehabil*. 2023 Dec 7:1-7. doi: 10.1080/09638288.2023.2290201.
25. **Holleran CL**, Konrad J, Norton B, Burlis T, Ambler S. Use of learner-driven, formative, ad-hoc, prospective assessment of competence in physical therapist clinical education in the United States: a prospective cohort study. *J Educ Eval Health Prof*. 2023;20:36.
26. Ambler S, Burlis T, Clark R, Holtzman G, McGee P, Frost J, Randolph J, Norton B, **Holleran CL**. Development of Domains of Competence and Competencies for Physical Therapist Education: Societal and Interprofessional Considerations. *J Phys Ther Educ*. 2024 Oct 29. doi: 10.1097/JTE.0000000000000377.
27. Hornby TG, Moore JL, **Holleran CL**, Henderson CE. Taking the next step in neurologic rehabilitation: contributions of intensity and variability of stepping tasks during locomotor training. *Phys Ther*. 2025 Mar 3;105(3):pzaf005. doi: 10.1093/ptj/pzaf005.
28. Miller AE, **Holleran CL**, Bland MD, Fitzsimmons-Craft EE, Newman CA, Maddox TM, Lang CE. Perspectives of Key Stakeholders on Integrating Wearable Sensor Technology into Rehabilitation Care: A Mixed-Methods Analysis. *medRxiv*. 2024 Nov 29:2024.11.25.24317911.doi: 10.1101/2024.11.25.24317911.

29. Demargel B, **Holleran CL**, Konrad JD, McGee PN, Ambler SB. Formative Assessment of Physical Examination Skills within a Professional Physical Therapist Education Program to Promote the Development of the Master Adaptive Learner: A Case Study. *JOPTE*. 10.1097/JTE.0000000000000421, June 10, 2025. DOI: 10.1097/JTE.0000000000000421.
30. Macpherson CE, Bland MD, Gordon C, Miller AE, Newman C, **Holleran CL**, Dy CJ, Peterson L, Lohse KR, Lang CE. Replication of Sensor-Based Categorization of Upper-Limb Performance in Daily Life in People Post Stroke and Generalizability to Other Populations. *Sensors* (Basel). 2025 Jul 25;25(15):4618. doi: 10.3390/s25154618.
31. **Holleran CL**. Kindness as Transformation: A Metacognitive Moment With A Humanities Educator. *J Hum Rehabil*. 2025; Fall. doi:10.18737/0607911234.
32. Lang CE, Miller AE, Macpherson CE, Bland MD, **Holleran CL**, Lohse KR. Advancing Neurorehabilitation and Recovery Through Human Movement Quantification via Wearable Sensing. *Neurorehabil Neural Repair*. 2026 Jan 24:15459683251412310. doi: 10.1177/15459683251412310.

Reviews, Chapters, and Editorials, including Invited Publications

- 1) **Holleran CL**, Somers M. “Ambulation”. *Spinal Cord Injury: Functional Rehabilitation*. Bender-Burnett J. F.A. Davis. 4th Edition. 2024.
- 2) McSweeney P, Somers M, **Holleran CL**. “Psychosocial Issues”. *Spinal Cord Injury: Functional Rehabilitation*. Bender-Burnett J. F.A. Davis. 4th Edition. 2024.

Audiovisual/Media

- 1) **Holleran, CL**, Hornby TG. Academy of Neurologic Physical Therapy Spinal Cord Injury Special Interest Group Podcast. Locomotor Training Clinical Practice Guideline. Episode 4. March, 2020. <https://www.neuropt.org/education---conferences/anpt-podcasts>
- 2) **Holleran CL**, Bretz M. Academy of Neurologic Physical Therapy Stroke Special Interest Group Podcast. Locomotor Training Clinical Practice Guideline. Episode 11. November, 2020. <https://www.neuropt.org/education---conferences/anpt-podcasts>
- 3) **Holleran CL**, Goodwin L, Banhos M, Bretz M, Gallo E, Szot L, Gorecki R, Robinson J. Clinical Tools for Implementation of Recommended Action Statements from ANPT Knowledge Translation Task force for Locomotor Training Clinical Practice Guideline. <https://www.neuropt.org/practice-resources/best-practice-initiatives-and-resources/national-campaign--intensity-matters/clinical-tools-and-resources>
- 4) **Holleran CL**, Goodwin L, Banhos M, Bretz M, Gallo E, Szot L, Gorecki R, Robinson J. Intensity Matters National Campaign. Academy of Neurologic Physical Therapy, 2018-2022. <https://www.neuropt.org/practice-resources/best-practice-initiatives-and-resources/national-campaign--intensity-matters/clinical-tools-and-resources>
- 5) **Holleran CL**. Capacity versus performance. Academy of Neurologic Physical Therapy, Stroke SIG Podcast. August, 2024. <https://www.neuropt.org/education---conferences/anpt-podcasts>

Abstracts

- 1) **Holleran CL**, Leddy A, Hennessy P, Hornby TG. "Variable Intensive Walking after Stroke (VIEWS Trial)." CSM Poster Presentation, Combined Sections Meeting for the APTA. 2015.
- 2) Leech K, **Holleran CL**, Kinnaird C, Kahn J, Hornby TG. Modulation of Gait Performance With Progressive Increases in Exercise Intensity and After Repeated Exposure to High-intensity Locomotor Exercise in Individuals With Incomplete Spinal Cord Injury. Poster Presentation, Combined Sections Meeting for the APTA. 2015.
- 3) **Holleran CL**, Hornby TG. "Walking the Walk: Translating basic and applied findings of methods to improve locomotor recovery post-stroke to the clinical setting." Educational Session Speaker, Combined Sections Meeting for the APTA. 2015.
- 4) **Holleran CL**, Moore JL. "Selection and pilot of a core assessment battery for inpatient rehabilitation." CSM Neurology Platform Presentation, Combined Sections Meeting for the APTA. 2016.
- 5) **Holleran CL**, Hornby TG, Moore JL, Hennessy P. "Walking the Walk: Translating Research Evidence to Clinical Practice." Pre-Conference Educational Session Speaker, Combined Sections Meeting for the APTA. 2016.
- 6) **Holleran CL**. "Community mobility method selection in individuals with chronic motor incomplete spinal cord injury: A qualitative analysis." CSM Poster Presentation, Combined Sections Meeting for the APTA. 2016.
- 7) Brazg G, Fahey M, **Holleran CL**, Connolly M, Woodward J, Hennessy P. "Effects of training intensity on locomotor performance in individuals with chronic spinal cord injury." CSM Neurology Platform Presentation, Combined Sections Meeting for the APTA. 2018.
- 8) **Holleran CL**, Goodwin L, Bretz M, Miller A, Banhos M, Szot L, Gallo E, Peters S, Hornby TG, Scheets P. "Active Ingredients across the Locomotor Training Clinical Practice Guideline Action Statements." Education Session Lead Speaker, Combined Sections Meeting for the APTA, Academy of Neurologic PT. 2020.
- 9) Ambler, SA, **Holleran CL**, Burlis T, Randolph J. "Transforming Societal Health through Competency-Based Physical Therapy Education." Education Session Speaker, Education Leadership Conference, American Council for Physical Therapy Education (ACAPT). 2021.
- 10) Ambler, SA, **Holleran CL**, Burlis T, Randolph J. "Transforming Society through Competency-Based Physical Therapist Education: Implementation and Adaptive Learning." Education Session Speaker, Education Leadership Conference, American Council for Physical Therapy Education (ACAPT). 2022.
- 11) Hornby TG, Moore JL, **Holleran CL**, Danilovich M, Waddell K. "Having Difficulty Removing Kid Gloves? Implementing High-Intensity Training in Neurologic and Geriatric Rehabilitation." Education Session Speaker, Combined Sections Meeting for the APTA, Academy of Neurologic Physical Therapy. 2021.
- 12) Bland M, Lang CE, **Holleran CL**. "Re-evaluating Clinical Success: Differentiating Capacity Versus Performance." Education Session Speaker, Combined Sections Meeting for the APTA, Academy of Neurologic Physical Therapy. 2021.
- 13) Crumley M, Notestine T, Crouner B, Duncan R, **Holleran CL**, Bland M. "Barriers to and Percentage of Vital Sign Assessment in an Outpatient Neurologic Physical Therapy

- Setting.” CSM Poster Presentation, Combined Sections Meeting for the APTA, Academy of Neurologic Physical Therapy. 2021.
- 14) Hornby TG, Henderson C, **Holleran CL**, Jang J. “Stepwise Regression and Latent Profile Analyses of Locomotor Outcomes Post-Stroke.” CSM Neurology Platform Presentation, Combined Sections Meeting for the APTA, Academy of Neurologic Physical Therapy. 2021.
 - 15) . “Transforming the Health of Society through Competency-Based Physical Therapist Education – Moving from Theory to Practice.” Education Session Lead Speaker, Education Leadership Conference. Atlanta, GA. 2021.
 - 16) **[Your Name]**. “Improving in capacity for activity vs. improvement in performance of activity in daily life during outpatient rehabilitation.” ASNR Poster Presentation, ASNR Annual Meeting. St. Louis, MO. 2022.
 - 17) **Holleran CL**, Ambler SA. “Implementing an Assessment Framework that Supports the Development of Competence and the Master Adaptive Learner in DPT Education.” CIRCLE Conference Poster Presentation, Integrating Psychology and STEM Education Research to Promote Innovative Teaching Conference. St. Louis, MO. 2022.
 - 18) Ambler SA, **Holleran CL**, Randolph J, Burlis TL, McGee P, Norton BJ, Earhart G. “Transforming the Health of Society through Competency-Based Physical Therapist Education-Implementing and Adapting.” Educational Session. Milwaukee, WI. 2022.
 - 19) Jensen G, Black L, Ambler SA, Furze J, Somers K, **Holleran CL**. “Shifting the Culture towards Competence and Lifelong Learning: Case Examples of Implementation.” Educational Session. Milwaukee, WI. 2022.
 - 20) **Holleran CL**, Bland M, Lang CE. “Comprehensive Assessment of the Activity Domain Using Both Capacity and Performance Measures: A Case Report.” APTA Poster Presentation. San Diego, CA. 2023.
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